Town of Framingham

FY2013 – FY2018
Recommended
Capital Budget

Necessary Investment
to Maintain Town Assets

Prepared by:

Office of the Chief Financial Officer

Overview

A multi-year capital plan seeks to maintain a commitment to the investment in and upkeep of municipal assets. It also is a commitment to the health of a community; not just financial, but educational, social and structural. The budget presented here is just a portion of a longer term capital plan that schedules maintenance and replacement requirements for equipment, buildings and infrastructure. The FY13 portion of this capital budget is more limited than the last couple of years in an effort to reduce of the overall cost of the operating budget in light of taxpayer concerns with the cost of Town government.

The capital budget recommendations for FY13 total $21.3 million. The project totals by fund are: General Fund is $7 million, Water Enterprise Fund is $5.5 million and the Sewer Enterprise Fund is $8.7 million. One goal that was set in the General Fund capital budget development process was to limit the size of the budget while still maintaining the needed investment in capital projects and equipment. Debt service, the cost of paying the mortgage, so to speak, does have an impact on the operating budgets of the General Fund, Water Enterprise Fund and Sewer Enterprise Fund. With the anticipated revenues available for the General Fund operating budget looking bleak, it is necessary for the services provided to citizens in the Town to mitigate the debt service appropriation within the operating budget. That goal was met by limiting new debt service to $120,426. This will reduce the budget deficit projected in the Long Range Forecast by approximately $800,000.

One way interest payments are avoided is using prior year free cash (in FY11). The Town policy allocates a portion of this end of the year cash balance to be used to fund capital budget items. This year that allocation is $363,687.

The second goal of this capital budget recommendation is to invest in projects and equipment that increase efficiencies, increase revenues, decrease costs or cannot be repaired. The latter creates a need to rent equipment, but in some cases that the rental is not available. This budget recommendation is limited to those items.

The Water and Sewer Department recommended capital budget includes several critical pieces of equipment, but the primary costs are for replacement of water and sewer lines and the upgrade of water tanks and backup systems. This includes the elimination of two pump stations (one at Speen Street) and the replacement of water and sewer pipes under Herbert, Irving and Loring Streets. Additional funds for the East Framingham Sewer Improvement and Central Street Siphon are recommended. The estimated increase in FY13 debt service is $100,180 for the Water Enterprise Fund and $161,170 in the Sewer Enterprise Fund.

Putting the Capital Budget Together

In September of each fiscal year the CFO's office recalibrates the capital budget database and requires all Divisions to submit a 6 year capital budget request; generally within 30 to 50 days. Department staff enters in descriptions, costs, status of the pieces of equipment to be replaced, or in need of repair. Repairs and replacements to infrastructure and buildings are entered into the same database using the same fields for descriptions costs estimates and impacts if not approved. Data is collected for projects in all funds: General Fund, Water Enterprise Fund and Sewer Enterprise Fund.

The CFO's Office then reviews the projects using an evaluation model which was updated in FY11. The criteria include financial impact, complying with legal mandates, impact on public safety and public health, division and department priority, whether prior phases were completed, urgency of need to repair or replace, and impact on service to the public. Based on the results of the evaluation and final global decisions on ability to fund, the recommendations are presented in this budget.

Total Capital Requests and Recommendations

The General Fund capital requests for FY13 total $17,267,356. Of this $7,045,391 is recommended and $10,221,975 is deferred. The table below lists the detailed amounts by department.

Department	Requested	Recommended	Deferred
Library	$2,134,950	$465,000	$1,669,950
Fire Department	$1,175,677	$550,000	$625,677
Building Services	$113,419	$113,419	$0
Parks & Recreation	$1,191,385	$140,394	$1,050,991
Police Department	$53,560	$53,560	$0
DPW Engineering	$152,500	$0	$152,500
DPW Highway	$6,657,771	$3,008,674	$3,649,097
DPW Sanitation	$690,187	$465,027	$225,160
School Department	$3,234,000	$1,750,000	$1,484,000
Technology Services	$132,366	$132,366	$0
Town Owned Buildings	$1,731,541	$366,941	$1,364,600
Total General Fund	$17,267,356	$7,045,381	$10,221,975

Fire Department

The recommendation includes the replacement of Engine 1 which deferred last year. An aerial bucket truck, a facilities pickup, the conversion of traffic lights to LED and the Fire's Chief's cruiser were all deferred. In total $550,000 was recommended and $625,677 was deferred.

Library

The Main Library had a number of requests this year, however only the Lexington street handicapped ramp ($425,000) and the study of space utilization ($40,000) is recommended. Two projects are specifically deferred: the HVAC upgrade and wiring for digital direct energy controls (DDC) because the Town anticipates working with the MAPC on a regional energy services contract to upgrade a number of Town buildings including the Main Library. The projects related to the parking garage have been deferred to await the results of additional review.

Building Services

Two projects are recommended for Building Services. The first is the replacement of 75 parking meters with digital meters and the upgrade of the parking pay system at the Hollis Street parking lot ($53,468). We anticipate additional parking revenue with these improvements. The second project is the upgrade of the security management software which services the Memorial Building, the Library, the Callahan Senior Center, Cushing Chapel and the Danforth Building. This will include a security card/ID system for Town employees and additional security cameras.

Parks & Recreation

The recommended capital budget for Parks and Recreation includes one piece of equipment ($45,411) and two projects: phase one replacement of mulch below several playgrounds ($29,550) and the remedy and study of the ice Arena end walls ($65,411). Two additional pieces of equipment and three projects were deferred totaling $1,050,991.

Police Department

The Police Department recommendation is the upgrade of electrical wiring in the police station to the emergency generator in order to handle the power load to the station under generator power. The project cost is $53,560.

Engineering Department

The one project request for the engineering department, the Saxonville Levee pump station design, is recommended to be deferred for FY13. The project cost is $153,500.

Highway Department

The majority of Highway Department capital project recommendation is the roadway improvement program at $2.5 million. This is the greatest amount recommended in more than six years. However it is still just under half the amount necessarily to keep the Town's roads in a state of repair. Also included is the FY13 phase of sidewalk/accessibility improvements at $150,000. Three critical pieces of equipment are recommended: one major construction truck, one 15,000 GVW dump body truck used for tree maintenance and one platform body with a lift gate to transport construction material to work sites. The replacement of eight pieces of equipment has been deferred as well as $2.7 million of the Roadway Improvement project is recommended to be deferred.

Sanitation Department

The recommended capital budget for Sanitation includes one new packer, with a plow, which was deferred from last year. The replacement of the front end loader that services the recycle center and the yard waste dump is recommended. This loader cannot be repaired and no rental is available. The purchase of 68,000 GVW roll off frame cab and chassis that is used for transporting containers at the recycle center is deferred for FY13.

School Department

The most critical project, the study of the Fuller and Farley Schools is recommended for FY13. Phase 2 of the technology upgrade is included at the requested amount of $500,000 funded partially with free cash. Three energy efficiency projects are recommended, all part of phased programs for building mechanical improvements. ADA upgrades to sidewalks and ramps, also a phased project, is recommended. Replacement vehicles, grounds equipment upgrades, stage curtain replacements, floor tile replacements and furniture replacements, totaling $1,484,000 are deferred again this year.

Technology Services

Three projects have been requested and all are recommended for inclusion in the FY13 Capital Budget. An upgrade to the Towns VOIP hardware must be upgraded in order to work with the current version of the software. Our two virtual environment

servers, out of warranty and under capacity need to be replaced. Finally a system to digitized building permits and plans is recommended to be funded.

Town Owned Buildings

Three projects totaling $366,941 are recommended under Town Owned buildings: the repair of stairs, stairways and windows at the Pear Street garage. This includes security cameras that will be tied into the Town Hall security system. The design of a fire suppression system for the Memorial Building, at a cost of $50,000, is recommended for FY13. Finally, the replacement of the boiler at Village Hall at a cost of $83,030, providing efficient heating and saving the Town energy dollars.

Enterprise Fund Capital Recommendations

Department	Requested	Recommended	Deferred
Sewer Department	$11,662,951	$8,697,951	$2,965,000
Water Department	$5,544,779	$5,544,779	$0

Water Department

All of the Water Department requests, which total $5.5 million, have been recommended in this budget. This includes the replacement of two pieces of equipment, water pipe replacements in the Herbert, Loring and Irving street area and the rehabilitation of the Beebe Water storage tank. Additional, smaller locations are recommended as is hydrant and gate valve replacements. Retained earnings, the enterprise version of free cash, is recommended at $535,779 to fund the equipment, the gate valve replacements and the miscellaneous pipe repair project.

Sewer Department

Sewer Department requests total $11.6 million in FY13. The replacement of three pieces of the equipment is included. Projects include the continuing funds for the East Framingham Sewer Improvement Project and the Central Street siphon. New projects are the Hancock Lane pump station elimination project, the sewer side of the Loring, Herbert and Irving Street line replacements and the elimination of the Speen Street pump station. Recommended projects total $8.7 million. The Hemenway gravity sewer project is recommended to be deferred ($2.9 million). Retained earnings of $639,451 are recommended to be used to fund the equipment replacements and the annual sewer main replacement program ($250,000).

Debt versus Debt Service

Debt is different from debt service in that debt is the total cost of a project. The Towns debt is the total amount of long term and short term bonds issued and the authorizations that have not yet been issued. In the General Fund the Town has $114.4 million authorized. The Water and Sewer Enterprise Funds have debt of $116 million and $118.3 million respectively.

Debt service is the annual cost to borrow that "cash" including the principle and interest. The total amount needed per year is appropriated in the Annual Town Budget under the debt category.

Debt Limit and Debt Service Limit

Like any business or household, municipalities should not carry too much debt. How much is too much? Massachusetts General Law Chapter 44 Section 10 states that the debt limit for Towns is 5% of the equalized valuation (EQV). EQV is the state approved value of all real property in a municipality. The EQV is determined every two years. The EQV for Framingham is $9.5 billion therefore the debt limit is $477 million. The Town of Framingham currently has $114.4 million in General Fund debt issued. This is 1.2% of the EQV, well within the state debt limit.

The Board of Selectmen set the General Fund debt service limit by policy in 2000. That limit is 5% of the budget. The FY13 base debt service is $9,991,054. From this number we subtract $2,510,995, which is the amount of debt service the state School building authority (MSBA) pays for works done to Cameron, Wilson and McCarthy schools. The net amount, $7,480,059 is 3.4% of the estimated revenue for FY13. The projected debt service costs for the new projects and equipment purchases recommended in this budget for FY13 is $126,295 which would bring the new total to $7,606,354 or 3.4% of the expected FY13 revenue. This is well within the policy guidelines. However we do need to look at this issue long term and forecast, at least for the term of this capital budget, what the impact of all the future requests. We do this using the "FY2013-2018 General Fund Debt Service Impact" table on page B. This table assumes that all of the projects requested for FY14 to FY18 would be approved and bonded and projects the annual debt service costs at a 4% interest rate. In FY14 we still remain below the 5% limit at 4.3% if we approve all projects but exceed the limit in FY17 and FY18 if we don't limit what we authorize. In the last five years we have managed new authorizations based on work level and affordability and will continue to move in that direction using these annual budgets and forecasts as a guide.

The debt service limit for the Enterprise Funds isn't as restrictive as the General Fund. Moody's Rating Bureau uses the standard for debt and debt service as "whatever the rate will bear". However, we have been careful to manage the amount of debt service built into the rate only to what we need to borrow when we need the cash and upon completion of projects. Because of the volume of work required by the state's consent order, this accounts for a significant amount of debt service, forcing rate increases, but the town rates are still at the bottom of the scale compared to comparable communities. We will still look to manage the increase in debt service as we continue to comply with the state consent order. The long range forecast of debt service impact for the Enterprise Funds is included the table entitled "FY2013 – FY2018 Enterprise Fund Debt Impact" on page B-1.

Debt Service Impact on the Operating Budget

Base debt service includes principle and interest costs for the bonds that have been issued for completed projects. It also includes the projected debt service costs for projects that have been authorized but bonds have not been issued (ABU) because we have not incurred the cost yet. It also includes the debt service for those projects that have short term bond anticipation notes (BANs) issued but have not been permanently bonded. The ABU and BAN debt service is bundled in the line "authorized but unissued" on the Summary Debt Service Impact table.

Incurring new debt service requires caution. The first year of debt service is less costly than years two and three because it is just the interest payment for short term borrowing. In FY13 we could have approved all of the General Fund capital requests and added $310,716 to the debt service budget. However, that would have required debt service to increase by $1.9 million in FY14. In addition, we need to make sure we have the management capability to complete all of the work effectively. This may be compromised if we have to lay off staff due to budget cuts. It is a balancing act, but it can be done responsibly. It is foolish to eliminate capital expenditures completely in order to reduce debt service and push all available dollars to salaries and operating costs. First of all it is more expensive in the long run not to maintain your infrastructure, as we have found out with our water and sewer consent order. In order to complete the work on time you have to accept bids and bidders that are available in a short time frame; you don't have the luxury of waiting for better price trends. Secondly, spending operating dollars to maintain failing equipment and inefficient energy systems is a waste and could be more effectively used.

The Office of the CFO looks forward to working with the Capital Budget Committee, Selectmen, the Town Manager and department and division heads to craft a final FY13-FY17 Capital Budget to bring to the Annual Town Meeting.

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Recommended Projects						
Library Handicapped Ramp Construction	Library	4	2013	Construction of accessible entrance on Lexington Street side of Library based on design study.	$0	$425,000
Design Study for Library Renovation	Library	7	2013	Planning study needed to reconfigure space use at Main Library.	$0	$40,000
FY13 Total Library Recommended					$0	$465,000
Replace Engine 1	Fire	1	2013	Replace Engine 1 with appurtenances, E1 is a 1999 Pierce Quantum pumper.	$0	$550,000
FY13 Total Fire Recommended					$0	$550,000
Parking Meter Update Phase 2	Building Services	2	2013	This project will consist of updating the existing town owned parking meters throughout downtown Framingham. This will be an extension of an already begun phasing out of the old style parking meters. We have already purchased 100 of these meters in 2010 and require another 75 meters to complete the remaining meters. This will require new polls for many units, due to being knocked down by town plowing. We also are planning to update the parking cash box at Hollis street parking lot to a digital cash machine, which has the capability to take credit card form of payment as well as cash.	$1,000	$53,468
Town Buildings Security Updates	Building Services	1	2013	Upgrade to door lock security program to WINPAK-PE for Windows. Buildings covered under this upgrade will include the Memorial Building, Johnathon Maynard, Main Branch library, Mcauliffe Branch Library, Callahan Senior Center, and Cushing Chapel. New control panels and readers will be installed at each location to ensure only authorized personnel will gain access to these buildings. A photo ID making machine will also be installed into Memorial Building, Building Services Department, to create personalized photo IDs for all employees in each of the buildings. This will ensure we have accountability of who and when people are coming in and out of the buildings.	$0	$59,951
FY13 Total Building Services Recommended					$1,000	$113,419
Playground Fiber Mulch Safety Surfacing Replacement Phase 1	Parks and Recreation	7	2013	This is phase 1 of a multi-phased project to bring the safety surfacing at Town playgrounds up to industry standards. Proposed locations for improvement include Apple St, Arlington St, Bates Park, Butterworth, Cushing Memorial Park, Danforth Park.	($2,500)	$29,550
F350 4x4 Maintenance Body	Parks and Recreation	1	2013	F350 4x4 maintenance body vehicle with tool boxes.	$0	$45,411
Loring Arena-Infrastructure repair and replacement	Parks and Recreation	4	2013	Engineering and design funds for permanent repairs to arena end walls. Industrial Painting of existing structures for stabilization. Removal of failing boiler vent stack and replacement of original boiler.	$0	$65,433
FY13 Total Park & Recreation Recommended					($2,500)	$140,394

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
EMERGENCY GENERATOR UPGRADE PHASE 1	Police	1	2013	UPGRADE WIRING TO HANDLE ADDITIONAL LOAD	$850	$53,560
FY13 Total Police Recommended						$53,560
Sidewalk/Accessibility Improvements 2013	Public Works - Highway	8	2013	This program was first initiated to address the replacement and addition of sidewalk ramps in conformance with the American Disability Act. During the implementation of this program, issues relative to continuity and compliance of sidewalks adjacent to these improvements prompted expansion of the program to include sidewalks and other accessibility issues.	$0	$150,000
Replacement of 15,000 GVW 4WD Cab and Chassis with Dump Body and Plow – DPW Unit 416	Public Works - Highway	4	2013	This request is for the replacement of a model year 1995 4WD Cab and Chassis with a 2.5 CY Dump Body and snow plow. This truck is assigned to the Highway Department and is used daily for the transport of brush and tree chips from the work involved in the removal and pruning of the 10,000 plus inventory of Public Shade Trees that exist within the Town's 250 mile right of way. The truck has an enclosed rear body that receives the brush chipper feed and it is used to transport and dispose of that waste at approved sites. The truck is also equipped with a snow plow and is assigned a designated area for the removal of snow during winter operations.	$0	$66,672
Replacement of a 4WD Cab and Chassis with Platform Body, Lift Gate and Plow – DPW unit 409	Public Works - Highway	3	2013	This request is for the acquisition of a new 15,000 GVW 4WD Cab and Chassis with platform, lift gate, and plow to replace the existing unit. This truck is used in the maintenance of the Town's Stormwater system and is used to facilitate the reconstruction of its physical assets by transporting materials to the job site. This includes water, concrete, block, frames, covers and other heavy materials typical in the replacement of manholes and pipes.	$0	$66,305
Roadway Improvements 2013	Public Works - Highway	7	2013	This Capital Program request is intended to provide funding for the rehabilitation and or reconstruction of the Town's arterial and secondary road segments. The roadway network is a vital element of the Town's overall infrastructure and represents a significant investment requiring considerable maintenance. The roadway network has been evaluated and critical infrastructure improvements and repairs have been identified. The components of this program include roadway surface rehabilitation, design and installation of storm drain improvements, repairs to existing storm drain infrastructure, design and reconstruction of roadway, sidewalks, curbing and traffic controls as well as bridge repairs.	$0	$2,500,000

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Acquisition of a 40,000 GVW Cab & Chassis with Dump Body, snowplow, sander & underbody scraper #442	Public Works - Highway	2	2013	This heavy truck is used throughout the year in the maintenance and construction of the 250 miles of public roads in Framingham. The work includes the maintenance of roadway appurtenances such as sidewalks, curbing, catchbasins, stormdrains, and trees. The truck hauls materials and trailers equipment to and from the worksites. The typical material hauled by this truck would include asphalt, gravel, sand, cement block, and other construction related materials. The vehicle also tows equipment to and from work sites such as small excavators, backhoes, compressors, and other medium duty equipment. In the winter season, this truck serves as one of the primary zone sander trucks assigned to critical areas of the Town during snow events. The frequent breakdown of this vehicle can delay response times and thereby has a detrimental effect on the ability for motorists to safely travel during a snow event. Framingham serves as a transportation hub for the Metrowest area and is also the center for one of the largest retail and manufacturing bases in New England. This presents a significantly more difficult challenge for the Department in the management of its winter operations due the tremendous volume of vehicles that either have Framingham as there destination, or are passing through Framingham in order to get to a major highway. This burden is significantly greater than that of other communities in the region and the Department is required to be prepared for the appropriate response at all times. The existing truck will be replaced with a similarly configured unit. The replacement vehicle will be a 40,000 GVW dump body truck equipped with a snowplow, underbody scraper, two way radio, material spreader, and hydraulic controls. The production of a heavy truck and the assembly of its component parts require approximately a year (and winter) from the date of the bid award. As such, the truck will have to function for another year even if it is approved by Town Meeting in the spring. This unit was deferred from last year's Capital Budget.	$0	$225,697
FY13 Total Highway Recommended						$3,008,674

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Replacement of a 2004 72,000 GVW Cab and Chassis with 31 CY Refuse Packer and Snow Plow – Unit No. 511	Public Works - Sanitation	1	2013	This equipment is used in the collection of curbside refuse each week from 15,500 homes, and is used in the spring and fall for the collection of yard waste. It is also used on weekends for the compaction of refuse at the Transfer Station. The refuse collection vehicles also play an important role in the removal of snow from the major arteries in the Town offsetting the need to acquire a contracted vehicle of that equivalent size that has a contract rate of $130.00 per hour. These large trucks and their 11' snow plows are able to very efficiently clear heavy snow from the Town's many multi lane wide roads such as Concord Street (RT126), Water Street, Waverly Street (RT135), Old Connecticut Path, Cochituate Road (RT30), Western Avenue, Union Avenue, Elm Street, and others. The Department would typically have to expend as much as $15,000 each winter (average 12 storm events @ 10 hours each) from the snow budget for a snow plow vehicle of an equivalent capability. The new unit will include an automated refuse collection system. In recent years, these retired chassis have been overhauled by the Department's technicians and refitted to provide a seasonal and less demanding use with different body applications. Over the past seven years, these re-used chassis have been converted into: four extended range snowfighters, one Tilt Frame Hoist Truck for Roll-Off Containers, one Ten wheel Dump Truck for hauling bulk materials, and one Prentiss Loader truck for heavy tree work. These re-used Cabs and Chassis have an average extended lifecycle of an additional 8-10 years in their seasonal functions and are a tremendous resource in that regard. This method of re-use has saved the Town hundreds of thousand dollars over the acquisition of new equipment and the application of these extended range snowfighters has increased our storm coverage area by a factor of three. Upon arrival of a new unit, this Cab and Chassis would be taken out of service, rebuilt in house by the fleet maintenance staff, and then re-used as a replacement for the earliest snowfighter conversion unit which is a 1993 Autocar that will be 20 years old at that the time the replacement actually occurs. This unit presently (October 2011) has 76,000 miles of use and it is projected to have a mileage near 84,000 by the time it could be replaced if approved in the FY13 capital budget. This unit was deferred from the FY2012 Capital Budget.	$0	$259,500

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Acquisition of a 3.5 CY Front End Loader and Plow # 521	Public Works - Sanitation	6	2013	This piece of equipment is used daily at the Recycling Center and Yard waste Drop-off. This loader is utilized for more daily hours of service than any other loader within the Department of Public Works. This unit's primary function surrounds the daily maintenance and operations of the Leaf and Yard Waste Facility. The vehicle is employed when loading between 5,000 and 8,000 yards of leaves that are removed from the facility annually. In addition, this unit is also utilized in the composting of roughly 1,000 yards of material annually. The composting process requires frequent turning of the piles to create a quality product that the Town has been selling for the past three years. During normal hours of operations this unit is used to keep the facility clear and functioning as the resident dispose of their materials. In addition to routine maintenance of both the Recycling Center and the Yard Waste Drop-off, this unit loads 100 to 200 yards of metal weekly for removal to the salvage company. It is utilized to load other hard to manage commodities for final disposition such as rigid plastics, white goods, etc. This equipment is also critical during all aspects of a snow and ice operations to both load salt and sand, plow snow or to load snow from the roadways and municipal lots.	$0	$205,527
FY13 Total Sanitation Recommended						$465,027
FY13 Total DPW Recommended						$3,473,701
Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (2)	School Department	6	2013	Phase 2 of 6. Continue upgrading AHU equipment at Walsh and Barbieri Schools, then other schools on an annual basis.	$0	$300,000
Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple Systems (1)	School Department	7	2013	Phase 1 of 5. Mechanical, electrical and plumbing ugrades in all schools in order to properly maintain buildings.	$0	$150,000
ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project	School Department	4	2013	Phase 1 of 5. ADA upgrades to curbs, sidewalks and handicap ramps at various schools in the District. Please note current Town of Framingham unit pricing contract with Lorusso Corporation was used to generate cost.	$0	$300,000
Technology Upgrades Throughout District - Phase (2)	School Department	2	2013	Phase 2 of 4 - Technology ugrades throughout the school district.	$0	*$500,000*
Study for Building Construction at Fuller/Farley	School Department	1	2013	Studies for building construction at the Fuller Middle School and Farley.	$0	$200,000
DDC Energy Conservation Program - Phased Project (6)	School Department	3	2013	Phase 6 of 7. DDC Engergy Conservation Program	$58,436	$300,000
FY13 Total School Department Recommended						$1,750,000
Capital Budget Allocation of Free Cash (no borrowing)						*$363,687*

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Cisco UCM Upgrade	Technology Services	2	2013	Upgrade the Town's VOIP phone system hardware, which has been in use since June 2005, and will not support the current software requirements.	$0	$34,836
Virtual Environment Replacement	Technology Services	1	2013	Replace the two out of warranty current VMWare servers with two new, larger capacity servers to maintain our current environment as well as provide for future growth.	$4,485	$69,895
Archived Document Scanning - 1st phase	Technology Services	3	2013	The Building Inspections Department stores paper permits and building plans dating back to the mid 1950s. This project would be the first of a several year project to digitize these documents to aid in retrieval.	$0	$27,635
FY13 Total Technology Services Recommended					$4,485	$132,366
Pearl Street Garage Repairs	Town Owned Buildings	1	2013	The Pearl Street Garage was constructed in 1978. Since that time, maintenance has been limited. The two stair towers at the East and West sides of the building are constructed using metal pans with concrete infill. The metal structure of the stairs was not originally galvanized. The result is the stairs have rusted significantly and are a safety hazard. The glass windows have been broken and boarded up. The broken glass needs to be removed and the windows repaired using "assault glass". Prepared drawings and solicited quotes for the repair work at the stairs and expansion joints, where water has leaked. In addition, have priced the work to install security cameras on the garage. The cameras will be tied into the Town security system.	$0	$233,911
Memorial Building Fire Supression Design	Town Owned Buildings	2	2013	The Memorial Building will require a fire suppression system, including an upgraded fire alarm panel, to meet current codes, as defined by the Framingham Fire Department.	$0	$50,000
Village Hall Boiler Replacement	Town Owned Buildings		2013	Install high efficiency gas fired condensing boiler in Village Hall. One of the two existing boilers is not operational; repair parts are no longer available. Installation will result in energy savings and potential rebate. Cost includes 10% contingency.		$83,030
FY13 Total Town Owned Buildings Recommended						$366,941
Grand Total FY13 General Fund Capital Budget Recommended						$7,045,381
Grand Total FY13 Capital Budget Allocation of Free Cash (no borrowing)						*$363,687*
Deferred Projects						
Library Parking Lot	Library	2	2013	The Library parking lot is needed to replace the parking garage assumed it is demolished in FY'13. An estimate of construction costs is $4,000 per space. Assuming a 65 space parking garage: 53 x $8000 = $424,000.	$0	$424,000
Library Parking Garage	Library	3	2013	This is the second stage of repairs listed in the Library Parking Garage Stabilization Plan. Work includes: repair of 2nd floor concrete haunches, sealing of deck and joints at top level, repair of deck drains on upper level, caulking of joints, sealing of deck and repair	$0	$481,000

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Library Parking Garage Demolition	Library	1	2013	This proposal is an alterative to repairing the Library Parking Garage. Cost of demolition is $316,000, including disposal of materials.	$0	$316,000
Library Wiring of DDC	Library	5	2013	Wiring of DDC (Direct Digital Controls) to allow temperature and energy control of each space of the building. Will have at least $5,000 in NSTAR rebate for this project. Existing system is pneumatic and will be converted to a digital system.	$0	$98,950
Library HVAC System	Library	6	2013	This service is necessary to upgrade the system.	$0	$350,000
FY13 Library Deferred Projects						$1,669,950
Traffic Signal Group Re-Lamp	Fire	6	2013	Replace LED lights in all traffic signals.	$6,000	$320,000
Replace Aerial Bucket Truck	Fire	2	2013	Upgrade the Director of Fire Alarm and Signal Division's aerial bucket truck.	$0	$192,000
Replace Facilities Pick-Up	Fire	4	2013	Replace the Director of Facilities pickup truck.	$0	$46,385
New Chief Cruiser	Fire	3	2013	Replace Car 1, the Fire Chief's vehicle.	$0	$38,792
Replace Generator Station 5	Fire	5	2013	Replace emergency generator at Station 5, 520 Concord Street.	$0	$28,500
FY13 Fire Department Deferred Projects						$625,677
Park & School Fence Replacement Phase 3	Parks and Recreation	8	2013	Demolish and replace various size chain link fence, gates, and guardrail at schools and parks. This quote contains a 15% contingency fee.	$0	$458,143
Park Signage Phase I	Parks and Recreation	6	2013	Installation of a signage program for Parks and Recreation properties throughout town. Proposed phase 2 locations include Bates Park, Learneds Pond, Nobscott Park,Oakvale, Sax Beach, Waushakum Beach, Woodfield, and Mary Dennsion.	$0	$33,904
Cushing Memorial Park Phase 5-Childrens Grove Play Area	Parks and Recreation	5	2013	Phase 5 development of Cushing Memorial Park. It is recommended to appropriate this money at the Annual Town Meeting contingent on obtaining a letter of grant award. This will avoid calling a special Town Meeting to participate in the reimbursable grant program.	($5,000)	$480,000
F350 4x4 Crew Cab Pickup 10,000 GVW	Parks and Recreation	2	2013	F350 4x4 Crew Cab Pick Up 10,000 GVW	$0	$40,060
F250 4x4 Ext Cab Pickup 8,800 GVW	Parks and Recreation	3	2013	F250 4x4, Extended Cab Pick Up, 8,800 GVW	$0	$38,884
FY13 Parks and Recreation Deferred Projects						$1,050,991

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Saxonville Levee Pump Station Improvements - Design	Public Works - Engineering	13	2013	This project will provide funds necessary to complete a detailed evaluation of the Saxonville Levee Pump Station and design recommended improvements. This drainage pumping station is critical to the protection of the buildings within the Saxonville levee and upgrades are needed to prevent a failure of the levee system. This project is as a result of recommendations made as part of the Levee reaccreditation report as required by the Army Corps of Engineers. Preliminary improvements expected to be part of the project include the replacement of the two diesel operated 7,000 gpm pumps with new electric pumps, new SCADA and telemetry systems, and new backup power capability, limited architectural improvements, roof replacement, and limited HVAC replacements. The project area will be limited to the existing building footprint and site, although an initial research of property rights of the pump station is included.	$0	$152,500
FY13 Total Engineering Deferred						$152,500
Acquisition of a Front End Loader 3CY with Snow Plow # 453	Public Works - Highway	16	2013	This piece of equipment is used daily for all construction, maintenance and pit operations. This loader is used to load and move materials such as gravel, stone, waste asphalt and excavate at the Western Avenue Facility; to load sanders and dump trucks at the Henry Street Facility with salt, sand salt mix, street sweepings and catch basin cleanings. This equipment is also critical during all aspects of a snow and ice incident to both load salt and sand, plow snow or to load snow from roadways and municipal lots. This piece of equipment is proposed to be replaced with a Front End Loader 3CY and equipped with a snowplow, warning lights, and a two way radio. This unit was differed from the Capital Budgets for the last two years.	$0	$205,527
The replacement of a 2001 Brush Chipper – DPW unit 480	Public Works - Highway	17	2013	This piece of equipment is used by the tree crews to chip brush and limbs from the maintenance of the more than 10,000 Public Shade Trees that line the 250 miles of streets in Framingham. This is also a critical component in the response to downed trees and the damage caused by heavy winds and snow. The existing equipment will be replaced with a heavy duty brush chipper with reversing action capabilities.	$0	$79,351
Acquisition of a 4WD HD Cab & Chassis with Pickup Body and Snow Plow # 407	Public Works - Highway	15	2013	This unit is assigned to the Highway Division for the transportation and/or towing of equipment, tools, and personnel to work sites within the 250 mile roadway network, the provision of transportation for the supervision of in house and contractual work, and the plowing of snow at throughout the Town as assigned. The types of equipment transported include emergency lighting units, air compressors, diesel generators, cement mixers, heavy duty pumps, equipment trailers, and other construction and emergency types of specialized equipment. This unit will be replaced with a Heavy Duty 4WD Cab, Chassis, Pickup Body, and equipped with a snow plow, two way radio, emergency and safety lighting, and AC Power inverter.	$0	$45,374

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Replacement of a Sidewalk Tractor with Snow Plow - DPW Unit #463	Public Works - Highway	14	2013	This request is for the replacement of a 1994 Bombardier Sidewalk Tractor that is used to plow the snow from the sidewalks and school paths that are located throughout the Town.	$0	$151,200
Acquisition of a 4WD HD Cab & Chassis with Pickup Body and Snow Plow # 404	Public Works - Highway	5	2013	This unit is assigned to the Highway Division for; the transportation and/or towing of equipment, tools, and personnel to work sites within the 250 mile roadway network, the provision of transportation for the supervision of in house and contractual work, and the plowing of snow throughout the Town as assigned. The types of equipment transported include emergency lighting units, air compressors, diesel generators, cement mixers, heavy duty pumps, equipment trailers, and other construction and emergency types of specialized equipment. The types of equipment carried to work sites include plate compactors, chain saws, fuel containers, hand tools, concrete tools, power saws, small generators, etc. This unit will be replaced with a Heavy Duty 4WD Cab, Chassis, Pickup Body, and equipped with a snow plow, two way radio, emergency and safety lighting, and AC Power inverter.	$0	$45,374
Acquisition of a heavy duty 4WD pickup truck and snow plow – DPW Unit 44	Public Works - Highway	12	2013	This request is for the replacement of a 4WD Cab and Chassis with pick up body and snow plow, two way radio, and warning lights. The truck is used in the maintenance management of the 250 miles of roadway right of way and is assigned to the supervisory function of that work. The vehicle is used in the supervision and inspection of roadway and sidewalk maintenance work by Department crews as well as private contractors. This vehicle, as are all Public Works supervisory vehicles, is outfitted with critical first response equipment in order to enable a rapid response to hazardous waste spills, traffic control device failures, and storm related emergencies. The equipment includes portable radios, emergency lighting, hazardous spill retention booms, barricades and cones, asset maps, mobile data terminals, and other equipment as may be deemed appropriate. The vehicle is used to tow multiple types of trailered equipment to and from work sites including: generators, cement mixers, variable message boards, compressors, light towers, and small equipment trailers. In addition, the vehicle will be equipped with a snow plow and assigned areas to both manage the operation and plow streets.	$0	$45,374
Replacement of a Sidewalk Tractor with Snow Plow - DPW Unit #464	Public Works - Highway	11	2013	This request is for the replacement of a 1993 Bombardier Sidewalk Tractor that is used to plow the snow from the sidewalks and school paths that are located throughout the Town.	$0	$151,200

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Acquisition of a 40,000 GVW Cab & Chassis with Dump Body, snowplow, sander & underbody scraper #438	Public Works - Highway	9	2013	This heavy truck is used throughout the year in the maintenance and construction of the 250 miles of public roads in Framingham. The work includes the maintenance of roadway appurtenances such as sidewalks, curbing, catchbasins, stormdrains, and trees. The truck hauls materials and trailers equipment to and from the worksites. The typical material hauled by this truck would include asphalt, gravel, sand, cement block, and other construction related materials. The vehicle also tows equipment to and from work sites such as small excavators, backhoes, compressors, and other medium duty equipment. In the winter season, this truck serves as one of the primary zone sander trucks assigned to critical areas of the Town during snow events. The frequent breakdown of this vehicle can delay response times and thereby has a detrimental effect on the ability for motorists to safely travel during a snow event. Framingham serves as a transportation hub for the Metrowest area and is also the center for one of the largest retail and manufacturing bases in New England. This presents a significantly more difficult challenge for the Department in the management of its winter operations due the tremendous volume of vehicles that either have Framingham as their destination, or are passing through Framingham in order to get to a major highway. This burden is significantly greater than that of other communities in the region and the Department is required to be prepared for the appropriate response at all times. The existing truck will be replaced with a similarly configured unit. The replacement vehicle will be a 40,000 GVW dump body truck equipped with a snowplow, underbody scraper, two way radio, material spreader, and hydraulic controls. The production of a heavy truck and the assembly of its component parts require approximately a year (and winter) from the date of the bid award. As such, the truck will have to function for another year even if it is approved by Town Meeting in the spring.	$0	$225,697
Roadway Improvements 2013	Public Works - Highway	7	2013	This Capital Program request is intended to provide funding for the rehabilitation and or reconstruction of the Town's arterial and secondary road segments. The roadway network is a vital element of the Town's overall infrastructure and represents a significant investment requiring considerable maintenance. The roadway network has been evaluated and critical infrastructure improvements and repairs have been identified. The components of this program include roadway surface rehabilitation, design and installation of storm drain improvements, repairs to existing storm drain infrastructure, design and reconstruction of roadway, sidewalks, curbing and traffic controls as well as bridge repairs.	$0	$2,700,000
FY13 Total Highway Deferred						$3,649,097

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Acquisition of a 68,000 GVW Cab & Chassis with Rolloff Frame #519	Public Works - Sanitation	10	2013	This piece of equipment is a critical part of our recycling program and daily operations at the Recycling Center. This vehicle's primary use is transporting 40 yard roll off containers with commodities (recyclable materials) collected at the Recycling Center to be sold or further processed at various vendors located throughout our region. In a one week period, this unit can make over 40 trips to different locations with a multitude of recyclables. Further, this vehicle is utilized in the hauling of hard to dispose of, or materials that are banned from inclusion in our regular household trash. For example, this often includes bulky items collected in special curbside pickups and at the Recycling center such as mattresses, carpets, white goods, etc. Furthermore, this unit is an integral part of the Town's leaf and yard waste program; allowing for significant cost saving by self hauling our leaves to disposal facilities. Utilization of this unit cuts our leaf disposal cost from $10 per ton when hauled by a private contractor to $ .50 per ton when hauled with this unit. The vehicle typically is utilized to haul between 5,000 to 8,000 yards of leaves annually. In addition, this unit also delivers compost to Framingham schools during any given year. This vehicle is used in support of many different town departments by allowing us to place dumpster containers at various projects throughout town. This again allows significant saving over private dumpster disposal. This unit is also intended to be a critical piece of equipment during all aspects of a snow and ice control. In addition to being utilized on the main hub routes, this vehicle is also used to haul snow during snow removal operations from downtown, roadside and municipal parking lots.	$0	$225,160
FY13 Total Sanitation Deferred Projects						$225,160
FY13 Total DPW Deferred Projects						$4,026,757
Furnish New and Replace Outdated Furniture – Phased Project (1)	School Department	12	2013	Phase 1 of 5. Furnish new and replace outdated furniture in mutliple schools.	$0	$300,000
Replace Deteriorated Floor Tile Main Areas and Corridors-Multiple Schools-Phased Project	School Department	11	2013	Phase 1 of 5. Replace deteriorated floor tile with new tile in main areas and in corridors at Barbieri, Walsh and various other schools.	$0	$400,000
Food Service Equipment Replacement - Phased Project (1)	School Department	14	2013	Phase 1 of 5. Food Services Equipment Replacement - Multiple Schools	$0	$54,000
Stage Curtains Multiple Schools-Phased Project (1)	School Department	13	2013	Phase 1 of 5. Replacement of stage curtains and rigging in multiple schools.	$0	$30,000
Grounds Equipment Upgrades	School Department	10	2013	New lawn mower purchase for Buildings and Grounds Department.	$0	$100,000
Vehicle Replacement - Box Truck	School Department	9	2013	Vehicle Replacement for Buildings and Grounds Department - Box Truck	$0	$42,000

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Vehicle Replacement - Dump Truck With Plow	School Department	8	2013	Vehicle Replacement - Dump Truck With Plow	$0	$58,000
Paving Replacement/Storm Water All Schools - Phased Project (1)	School Department	5	2013	Phase 1 of 5. Paving replacement and repair including compliance with federal storm water regulations at all schools - multiphase project. Please note current Town of Framingham unit pricing contract with Lorruso Corporation was used to determine cost.	$0	$500,000
FY13 Total School Department Deferred						$1,484,000
Memorial Building Interior Renovation Project- Phase 1	Town Owned Buildings	6	2013	The Memorial Building Interior Renovation Project will restore most of the corridors in the Memorial Building, which have not been painted for many years. In addition, the Storage Rooms within the Memorial Building are not use efficiently. The Building Services Acting Foreman, has agreed to use Building Services staff to help in the storage room consolidation/renovation effort in the Memorial Building. Walls need patching, purchase of shelving, and storage room lighting upgrades are included in a contingency fund of $50,000 for these upgrades.	$0	$77,800
Consolidate/ Repair Storage Rooms in the Memorial Building	Town Owned Buildings		2013	Most Storage Rooms in the Memorial Building are not currently used efficiently. The rooms need to be cleaned and organized, using the Commonwealth of Massachusetts Municipal Records Retention Manual as a guide. In some cases, material can be eliminated or consolidated. In others, materials require adequate shelving be installed, to maximize space. It has been discussed with the Building Services Foreman and agreed that the Building Services Team can do the work to renovate these Storage Spaces.	$0	$50,000
Install New Accessible Ceilings at the Main Framingham Public Library	Town Owned Buildings	3	2013	Remove existing ceiling and install new suspended acoustical ceilings in the Main Framingham Public Library, located at 49 Lexington Street. The existing "spline" type ceilings are not easily removed or replaced. The Library mechanical equipment requires	$0	$135,800
Danforth Museum Boiler Replacement	Town Owned Buildings	5	2013	The Danforth boilers are believed to be the original boilers from 1931. The boilers are designed with a "lag" and a "lead" boiler. One of these boilers is not working, and has not been working for three (3) years. The first step if a renovation of the boiler Room were planned is to hire a mechanical engineer to design a new boiler system. An estimate from a licensed mechanical engineer indicates that the boilers and associated piping could be designed for $50,000	$0	$900,000
Exterior Building Stabilization	Town Owned Buildings	7	2013	This includes stabilizing the building by repairing water damage, where it exists, to stop further building decay, on the exterior masonry of the building. Exterior repairs should be managed and sequenced, to avoid added cost.Add safety lighting at exterior of the Memorial Building to increase safety and add a lighted canopy and compliant stair treads and railing to increase safety and convenience.	$0	$201,000
FY13 Total Town Owned Buildings Deferred						$1,364,600
Grand Total FY13 General Fund Capital Budget Deferred						$10,221,975

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY14 Cost	Fund Source1	Fund Amount1	Fund Source2	Fund Amount2
Branch Library Replacement	Library	9	2014	Construction of a new McAuliffe Branch Library in Water Street area. A Library Building feasibility study was completed in September 2010 that concluded that a new facility of 17.000 sq. ft. would be needed to serve the current and future needs for the library.	$0	$8,600,000	State Grant	$4,200,000	General Fund	$3,800,000
Library Pearl St. Handicapped Ramp	Library	10	2014	Construction of a handicapped ramp on the Pearl St. side of the library based on design study.	$0	$425,000	General Fund	$425,000		$0
FY14 Total Library Requests						$9,025,000		$4,625,000		
Replace Station 2	Fire	10	2014	Replacement of Station 2, 2 Watson Place.	$6,000	$5,000,000	General Fund	$5,000,000		$0
Replace Engine 7	Fire	7	2014	Replace Engine 7.	$0	$565,000	General Fund	$565,000		$0
Upgrade Fire Alarm/Signal Cable Concord Street South	Fire	9	2014	Replace Fire Alarm and Signal Communication Cable running along Concord Street.	$0	$193,000	General Fund	$193,000		$0
Replace Signal Division Pick Up	Fire	8	2014	Replace the Director of Fire Alarm and Signal Division's pickup truck.	$1,000	$65,000	General Fund	$65,000		$0
FY14 Total Fire Requests						$5,823,000				
Winch Restrooms	Parks and Recreation	16	2014	This project will replace restroom and storage facilities the were previously housed under the old grandstand structure. Price includes construction and engineering contingencies in addition to overhead and profit for a general contractor if needed.	$0	$90,792	General Fund	$90,792		$0
F250 4x4 Extended Cab Pickup Truck 8,800 GVW	Parks and Recreation	10	2014	F250 Extended Cab Pick Up Truck	$0	$32,393	General Fund	$32,393		$0
F350 4x4 Crew Cab Pickup 10,000 GVW	Parks and Recreation	9	2014	F350 4x4 Crew Cab Pick Up 10,000 GVW	$0	$33,789	General Fund	$33,789		$0
John Deere Tractor Model 5425	Parks and Recreation	11	2014	John Deere Tractor model 5425	$0	$45,112	General Fund	$45,112		$0
Portable, Handicapped Accessible Restroom	Parks and Recreation	13	2014	Portable 5 unit restroom facility with running water in the sinks and flushable toilets. The equipment consists of four units for able bodied individuals and one unit that is fully handicapped accessible, meeting all ADA guidelines for handicapped accessibility.	($500)	$48,950	General Fund	$48,950		$0

FY2014 General Fund Project Requests

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY14 Cost	Fund Source1	Fund Amount1	Fund Source2	Fund Amount2
Cushing Phase 6 Feasibility Study	Parks and Recreation	15	2014	Cushing Phase 6 Feasibility Study.	$0	$50,000	General Fund	$50,000		$0
Loring Arena compressors and control panel	Parks and Recreation	18	2014	Replacement of the original compressors installed in 1963, and installation of a new ice cooling system control panel.	$0	$98,160	General Fund	$98,160		$0
Park Signage Phase II	Parks and Recreation	19	2014	Installation of a signage program for Parks and Recreation properties throughout town. Proposed phase 2 locations include Mary Dennison, Veterans Park, Waushakum Beach, Roosevelt Park, and Winch Park.	$0	$31,458	General Fund	$31,458		$0
Bowditch Track Reconditioning	Parks and Recreation	23	2014	Refurbishment of the Bowditch running track.	$0	$170,000	General Fund	$170,000		$0
Play. Equip \ Hand. Access., Phase 3-Oakvale Park	Parks and Recreation	24	2014	The Parks and Recreation Department has a play structures list that is prioritized according to equipment in need of replacement or upgrade. Phase 3 of this replacement program	$0	$77,050	General Fund	$77,050		$0
Loring Arena Accessibility Improvements-Wheelchair Lift	Parks and Recreation	25	2014	Installation of a wheelchair lift at Loring Arena.	$0	$32,917	General Fund	$32,917		$0
Butterworth Park Phase 2-Parking Improvements	Parks and Recreation	17	2014	reconstruction and formalization of the perimeter parking along Arthur Street	$0	$71,918	General Fund	$71,918		$0
Portable Stage	Parks and Recreation	14	2014	Portable stage	$0	$166,633	General Fund	$166,633		$0
Tennis and Basketball Court Resurfacing Phase 1 - Winch Tennis and Winch	Parks and Recreation	20	2014	Resurfacing of the sport courts and installation of new fencing, tennis, and basketball hardware.	$0	$381,482	General Fund	$381,482		$0
Walsh Synthetic Field and Lighting Renovations	Parks and Recreation	21	2014	Replace grass with Synthetic Turf at Walsh Field and add lighting. This project contains a 15% construction contingency , 15% engineering contingency, and 10% overhead and profit figure.	$0	$2,478,662	General Fund	$2,478,662		$0
Lower Longs Soccer renovation & Irrigation	Parks and Recreation	22	2014	Renovation of the Keefe Tech Soccer field located on Fountain Street, including hte installation of irrigation.	($5,000)	$385,382	General Fund	$385,382		$0
Edwards Cemetery Roadway Reconstruction	Parks and Recreation	12	2014	Reconstruction of the Edwards Cemetery Roadways.	$0	$126,975	General Fund	$126,975		$0
FY14 Total Parks and Recreation Requests						$4,321,673				

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY14 Cost	Fund Source1	Fund Amount1	Fund Source2	Fund Amount2
EMERGENCY GENERATOR PHASE 2	Police		2014	TO REPLACE EMERGENCY GENERATOR 200 KW NATURAL GAS GENERATOR	$850	$115,000	General Fund	$115,000		$0
FY14 Total Police Department Requests						$115,000				
Fountain Street Drain & Outfall Improvements	Public Works - Engineering	42	2014	Improvements to the Fountain Street Drainage and Outfall	$0	$350,000	General Fund	$350,000		$0
Johnson Street Outfall Repairs	Public Works - Engineering	44	2014	Repairs to the Johnson Street Outfall	$0	$145,000	General Fund	$145,000		$0
Irving Street Vegetated Drain Swale	Public Works - Engineering	45	2014	Upgrade Fountain Street Drain and Outfall	$0	$25,000	General Fund	$25,000		$0
Stormwater Management Plan Phase IV	Public Works - Engineering	46	2014	The study and assessment of the stormwater systems and associated surface water.	$0	$250,000	General Fund	$250,000		$0
Beaver Dam Brook/High Risk Structures Phase 2	Public Works - Engineering	41	2014	Phase 2 Improvements	$0	$300,000	General Fund	$300,000		$0
School Street Bridge Construction	Public Works - Engineering	43	2014	Supplements utility funds to replace bridge structure.	$0	$500,000	General Fund	$500,000		$0
FY14 Total Engineering Requests						$1,570,000				
# 301	Public Works - Garage	29	2014	15,000 GVW 4WD Cab and Chassis w/Utility Body	$0	$118,709	General Fund	$118,709		$0
FY14 Total DPW Garage Requests						$118,709				
Roadway Improvements 2014	Public Works - Highway	38	2014	Supplemental funds for the surfacing, restoration and/or reconstruction of the Town's arterial and secondary roadway segments.	$0	$5,200,000	General Fund	$5,200,000		$0
Replacement of Vehicle # 445	Public Works - Highway	23	2014	Four Wheel Sweeper	$0	$259,567	General Fund	$259,567		$0
Replacement of Vehicle #418	Public Works - Highway	21	2014	17,500 GVW 2-Wheel Drive Cab and Chassis with Rodder	$0	$106,195	General Fund	$106,195		$0
Sidewalk/Accessibility Improvements 2014	Public Works - Highway	34	2014	The replacement and addition of sidewalk ramps in conformance with the ADA. Also improvements in sidewalks and other accessibility issues.	$0	$150,000	General Fund	$150,000		$0

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY14 Cost	Fund Source1	Fund Amount1	Fund Source2	Fund Amount2
Replacement of Equipment #499	Public Works - Highway	28	2014	4 Wheel Snowblower	$0	$450,162	General Fund	$450,162		$0
Replacement of # 439	Public Works - Highway	22	2014	40,000 GVW Cab and Chassis with Hooklift and Plow	$0	$234,166	General Fund	$234,166		$0
Replacement of Vehicle # 462	Public Works - Highway	26	2014	Sidewalk Tractor - Tracked	$0	$157,248	General Fund	$157,248		$0
Replacement of Equipment #484	Public Works - Highway	33	2014	Asphalt Berm Machine	$0	$48,672	General Fund	$48,672		$0
Replacement of Vehicle #451	Public Works - Highway	35	2014	3.5 CY Front End Loader	$0	$213,748	General Fund	$213,748		$0
Replacement of Vehicle # 441	Public Works - Highway	36	2014	64,000 Cab and Chassis	$0	$196,434	General Fund	$196,434		$0
#460	Public Works - Highway	37	2014	Sidewalk Tractor-Tracked	$0	$157,248	General Fund	$157,248		$0
Replacement of Vehicle #498	Public Works - Highway	27	2014	Forklift Truck	$0	$49,263	General Fund	$49,263		$0
Replacement of Vehicle # 452	Public Works - Highway	25	2014	3.5 CY Front End Loader	$0	$213,748	General Fund	$213,748		$0
Replacement of Equipment # 401	Public Works - Highway	20	2014	F Series Heavy Duty Cab and Chassis with Plow	$0	$47,189	General Fund	$47,189		$0
Replacement of Vehicle # 450	Public Works - Highway	24	2014	Backhoe/Loader w/ Plow	$0	$141,171	General Fund	$141,171		$0
Replacement of Vehicle #446	Public Works - Highway	39	2014	4 Wheel Sweeper	$0	$259,567	General Fund	$259,567		$0
Replacement of #486	Public Works - Highway	40	2014	Static Asphalt Roller	$0	$37,856	General Fund	$37,856		$0
FY14 Total Highway Department Requests						$7,922,234				
Replacement of Vehicle #514	Public Works - Sanitation	18	2014	72,000 GVW C&C W/ Refuse Packer & Plow	$0	$269,880	General Fund	$269,880		$0
Automated Solid Waste Program	Public Works - Sanitation	30	2014	Automation of Solid Waste Curbside Collection	$0	$850,000	General Fund	$850,000		$0

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY14 Cost	Fund Source1	Fund Amount1	Fund Source2	Fund Amount2
Replacement of Vehicle #505	Public Works - Sanitation	19	2014	15,000 GVW 4WD C&C w/ Rack Body & Plow	$0	$68,957	General Fund	$68,957		$0
Replacement of Vehicle #512	Public Works - Sanitation	31	2014	72,000 GVW C&C w/Refuse Packer & Plow	$0	$269,880	General Fund	$269,880		$0
Replacement of Vehicle #52	Public Works - Sanitation	32	2014	8,800 GVW 4WD Pickup Truck and Plow	$0	$47,189	General Fund	$47,189		$0
FY14 Total Sanitation Department Requests						$1,505,906				
FY14 Total DPW Requests						$11,116,849				
Fuller Middle School Roof Replacement	School Department	16	2014	Fuller Middle School Roof Replacement	$0	$4,000,000	General Fund	$4,000,000		$0
ADA Upgrades to Curbs, Sidewalks & Handicap Ramps-Multiple Schools-Phased Project (2)	School Department	18	2014	Phase 2 of 5. ADA upgrades to curbs, sidewalks and handicap ramps at various schools in the District. Please note current Town of Framingham unit pricing contract with Lorusso Corporation was used to generate cost.	$0	$300,000	General Fund	$300,000		$0
Vehicle Replacement - Stake Truck	School Department	26	2014	Vehicle Replacement - Stake Truck	$0	$50,000	General Fund	$50,000		$0
Technology Upgrades Throughout District - Phase Project (3)	School Department	15	2014	Phase 3 of 4. Technology upgrades throughout the school district.	$0	$500,000	General Fund	$500,000		$0
Paving Replacement/Storm ater All Schools - Phased Project (2)	School Department	19	2014	Phase 2 of 5. Paving replacement and repair including compliance with federal storm water regulations at all schools - multiphase project. Please note current Town of Framingham unit pricing contract with Lorruso Corporation was used to determine cost.	$0	$300,000	General Fund	$300,000		$0
Replace Rooftop AHU's and Ventilation Equipment - Multiple	School Department	20	2014	Phase 3 of 6. Continue upgrading AHU equipment at Walsh and Barbieri Schools, then other schools on an annual basis.	$0	$200,000	General Fund	$200,000		$0
DDC Energy Conservation Program - Phased Project (7)	School Department	17	2014	Phase 7 of 7. DDC Energy Conservation Program	$0	$200,000	General Fund	$200,000		$0
Replace Deteriorated Floor Tile in Main Areas and Corridors-Multiple	School Department	22	2014	Phase 2 of 5. Replace deteriorated floor tile with new tile in main areas and in corridors at Barbieri, Walsh and various other schools.	$0	$200,000	General Fund	$200,000		$0

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY14 Cost	Fund Source1	Fund Amount1	Fund Source2	Fund Amount2
Furnish New and Replace Outdated Furniture - Phase (2)	School Department	23	2014	Phase 2 of 5. Furnish new and replace outdated furniture in multiple schools.	$0	$300,000	General Fund	$300,000		$0
Stage Curtains Multiple Schools - Phased Project (2)	School Department	24	2014	Phase 2 of 2. Replacement of stage curtains and rigging in multiple schools.	$0	$30,000	General Fund	$30,000		$0
Food Service Equipment Replacement - Phased Project (2)	School Department	25	2014	Phase 2 of 5. Food Services Equipment Replacement - Multiple Schools	$0	$56,000	General Fund	$56,000		$0
Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple System -	School Department	21	2014	Phase 2 of 5. Mechanical, electrical and plumbing upgrades in all schools in order to properly maintain buildings.	$0	$150,000	General Fund	$150,000		$0
FY14 Total School Department Requests						$6,286,000				
Network Data Storage and Connectivity	Technology Services	5	2014	To increase speed of backups and data transfer for disaster recovery, a 10GB link to our disaster recovery site is requested. Included in this request is additional disk space.	$2,024	$66,603	General Fund	$66,603		$0
Public Safety Server Replacement	Technology Services	4	2014	The current Public Safety servers are out of warranty as of 2013. The hardware failure rate is likely to increase significantly after end of life has been reached. The operating system revision (Red Hat Linux) is behind the supported version. The replacement servers will run the currnet Microsoft supported server version, eliminating the need for in-house UNIX expertise.	$0	$80,645	General Fund	$80,645		$0
FY14 Total Technology Services Requests						$147,248				
Grand Total FY14 General Fund Requests						$36,834,770				

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY15 Cost
McAuliffe Branch Library Phase II HVAC and Interior Renovations	Library	12	2015	To compliment recent installation of new boiler, install a new air-handler and ductwork. Install new fan-coil units and piping in the wings of the building. Temporary removal of old wooden shelving on the north and south ends of the building to install new insualtion. Replace flooring, improve or replace built in furnishings to enhance work flow, ergonomics, and ADA compliance. Remove wooden shelving and replace with steel shelving.	$0	$422,000
Library Reference and Young Adult Department Renovation	Library	11	2015	Reference and Young Adult Department renovation will include new reference desk and lowering of reference shelving to provide handicapped access. The computer area will increase in size to allow more computer workstations and eliminate que for computer usage. New wiring is necessary for the added computers, carpet would need replacement for areas left exposed when furniture is moved, updated and additional computers and workstations would be purchased. A homework center with computer workstations, tables for group study and a comfortable sitting area would be created for young adults.	$0	$100,000
FY15 Total Library Requests						$522,000
Replace Platform 1	Fire	11	2015	Replace Platform 1.	$0	$1,000,000
Technology Upgrades	Fire	12	2015	Replace Mobile Data wireless computers and infrastructure.	$0	$200,000
Replace Facilities Mobile Repair Apparatus	Fire	13	2015	Replace mechanic's mobile repair truck.	$2,000	$76,000
FY15 Total Fire Department Requests						$1,276,000
Loring Arena End Wall Reconstruction	Parks and Recreation	33	2015	Reconstruction of the end walls at Loring Arena.	$0	$600,000
Merchant Road Soccer Field Restrooms and Storage	Parks and Recreation	30	2015	Installation of a building containing restrooms and storage at the Merchant Road soccer field.	($2,000)	$87,550
Miscellaneous Building Roof replacement Phase 1	Parks and Recreation	32	2015	Replacement of roofs at various park locations. This phase would replace the roofs at Waushakum Beach, Mary Dennison Bathrooms, Danforth Park Storage Building, Longs Concession, and Little League Concession, Cushing Building #2, Cushing Building #3.	$0	$39,032
Beach Landscape & Design Improvements Phase 1- Waushakum	Parks and Recreation	34	2015	Aesthetic improvements including new walkways, plantings, benches, picnic areas.	$0	$72,000

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY15 Cost
Park Property Video Surveillance Phase 1- Arlington St., Mary Dennison	Parks and Recreation	31	2015	Installation of video surveillance equipment at various parks locations throughout town.	$0	$47,408
Longs/Loring Parking Reconstruction	Parks and Recreation	29	2015	Grind, grade, pave and restripe the parking areas shared by the Longs Athletic Complex and Loring Arena.	$0	$672,003
(Open Space Acquisition) Expansion of Cushing Memorial Park	Parks and Recreation	35	2015	Possible future expansion of Tercentennial Park through adjacent land acquisition. Through the insight of the Town Government and Framingham residents, the Town was able to acquire the large parcel of land formerly the site of Cushing Hospital. In conjunction with intensive input from the residents of Framingham a Master Plan for redevelopment was conceived and approved by Town Meeting. Implementation of the first three phases of the Master Plan has begun the transformation of the former Cushing Hospital Property into a central park for the Town of Framingham. This park is currently used for passive recreation by hundreds of people daily, during all seasons of the year.	$0	$2,500,000
Playground Fiber Mulch Safety Surfacing Replacement Phase 2	Parks and Recreation	37	2015	This is phase 2 of a multi-phased project to bring the safety surfacing at Town playgrounds up to industry standards.	$0	$45,398
Relamping Baseball Fields	Parks and Recreation	38	2015	Relamp and Clean Lenses at four lighted ball fields, Bowditch, Ryan, Mary Dennison, Winch. Maintenance checks are also performed for failing hardware and cross arms. This project contains a 15% construction contingency.	$0	$59,400
Park & School Fence Replacement Phase IV	Parks and Recreation	39	2015	Demolish and replace various size chain link fence, gates, and guardrail at schools and parks. This quote contains a 15% contingency fee.	$0	$401,680
Softball Field Lighting-Mass Bay/Farley Field	Parks and Recreation	40	2015	Installation of lighting and electrical service for Mass Bay/Farley Field.	($2,000)	$127,500
F350 4x4 Dual Cab Dump Truck 10,000 GVW	Parks and Recreation	27	2015	F350 4x4 Standard Cab Pick Up 10,000 GVW	$0	$36,714
F350 4x4 Standard Cab Pickup 10,000 GVW	Parks and Recreation	28	2015	F250 4x4 Extended Cab Pickup	$0	$30,748
Loring Arena Zamboni	Parks and Recreation	36	2015	Replacement of the Zamboni ice resurfacer at Loring Arena.	$0	$111,115
F550 4x4 Grain Body for leaf and woodchip collection	Parks and Recreation	26	2015	F550 4x4 Grain Body for leaf and woodchip collection. The information source for this vehicle is Larry Christenson at MHQ. Price includes an adjustment for the 2010 model.	$0	$102,127
FY15 Total Parks and Recreation Department Requests						$4,932,675

FY2015 General Fund Project Requests

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY15 Cost
Salem End Road Bridge Repair - Design	Public Works - Engineering	59	2015	Assessment and design for bridge improvements	$0	$150,000
Miscellaneous Drainage High Risk Structures - Phase 1	Public Works - Engineering	58	2015	Phase I of Drainage Improvements	$0	$400,000
Waverly Street Drainage Upgrade	Public Works - Engineering	55	2015	Improvements to Waverly Street Drainage	$0	$325,000
Clean, TV Inspection for High Sediment Lines	Public Works - Engineering	54	2015	Improvements to High Sediment Lines	$0	$75,000
Guild Road Drainage Improvements	Public Works - Engineering	56	2015	Improvements to Guild Road Drainage	$0	$375,000
FY15 Total Engineering Department Requests						$1,325,000
Replacement of Vehicle #41	Public Works - Highway	53	2015	11,000 GVW 4WD C&C w/ Utility Body & Plow	$0	$60,734
Replacement of Vehicle #46	Public Works - Highway	48	2015	11,000 GVW 4WD C&C With Utility Body & Plow	$0	$60,734
Replacement of Vehicle #421	Public Works - Highway	49	2015	40,000 GVW C&C w/ Dump Body & Plow	$0	$244,114
Replacement of Vehicle #411	Public Works - Highway	50	2015	15,000 GVW 4Wheel Drive Cab and Chassis With Dump	$0	$72,112
Sidewalk/Accessibility Improvements 2015	Public Works - Highway	51	2015	The replacement and addition of sidewalk ramps in conformance with the ADA. Also improvements in sidewalks and other accessibility issues.	$0	$150,000
Roadway Improvements 2015	Public Works - Highway	52	2015	Supplemental funds for the surfacing, restoration and/or reconstruction of the Town's arterial and secondary roadway segments.	$0	$5,200,000
FY15 Total Highway Department Requests						$5,787,694
Replacement of Vehicle #513	Public Works - Sanitation	47	2015	72,000 GVW C&C w/ Refuse Packer & Plow	$0	$283,374
FY15 Total Sanitation Department Requests						$283,374
Replacement Vehicle - Pick Up Truck	School Department	32	2015	Replacement Vehicle - Pick Up Truck	$0	$50,000

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY15 Cost
Furnish New and Replace Outdated Furniture - Phased Project (3)	School Department	34	2015	Phase 3 of 5. Furnish new and replace outdated furniture in multiple schools.	$0	$300,000
Replace Deteriorated Floor Tile Main Areas and Corridors-Multiple Schools-Phased Project (3)	School Department	33	2015	Phase 3 of 5. Replace deteriorated floor tile with new tile in main areas and in corridors at Barbieri, Walsh and various other schools.	$0	$200,000
Food Service Equipment Replacement - Phased Project (3)	School Department	35	2015	Phase 3 of 5. Food Services Equipment Replacement - Multiple School	$0	$55,000
Technology Upgrades Throughout District - Phase Project (4)	School Department	27	2015	Phase 4 of 4. Tehcnology upgrades throughout the school district.	$0	$500,000
ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (3)	School Department	28	2015	Phase 3 of 5. ADA upgrades to curbs, sidewalks and handicap ramps at various schools in the District. Please note current Town of Framingham unit pricing contract with Lorusso Corporation was used to generate cost.	$0	$300,000
Paving Replacement/Storm Water All Schools - Phased Project (3)	School Department	29	2015	Phase 3 of 5. Paving replacement and repair including compliance with federal storm water regulations at all schools - multiphase project. Please note current Town of Framingham unit pricing contract with Lorruso Corporation was used to determine cost.	$0	$300,000
Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (4)	School Department	30	2015	Phase 4 of 6. Continue upgrading AHU equipment at Walsh and Barbieri Schools, then other schools on an annual basis.	$0	$200,000
Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple System Phased Project (3)	School Department	31	2015	Phase 3 of 5. Mechanical, electrical and plumbing upgrades in all schools in order to properly maintain buildings.	$0	$150,000
FY15 Total School Department Requests						$2,055,000
VDI Pilot	Technology Services	6	2015	This request is a phase 1 project to engage in a test pilot for VDI (virtual desktop interface).	$0	$46,202
FY15 Total Technology Services Requests						$46,202
Grand Total FY15 General Fund Requests						$16,227,945

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY16 Cost
Main Library Interior Renovation	Library	13	2016	Furniture for all levels of the Main Library. Comfortable seating, accessible circulation and reference desks. All of the walls of the Library need new paint. This cost includes construction and specialized furniture/shelving for open reserves.	$0	$200,000
Remove Underground Diesel Fuel Tank	Library	14	2016	Remove underground diesel fuel tank for emergency generator and convert to gas.	$0	$100,000
FY16 Total Library Requests						$300,000
Phase 1 - Protective Clothing Replacement	Fire	14	2016	First phase of personal protective clothing replacement.	$0	$80,000
Replace Engine 5	Fire	15	2016	Replace Engine 5.	$0	$575,000
Replace Fire Headquarters' Generator	Fire	16	2016	Replace emergency generator at Fire HQ.	$0	$50,000
FY16 Total Fire Department Requests						$705,000
Park and School Fence Replacement Phase V	Parks and Recreation	47	2016	Demolish and replace various size chain link fence, gates, and guardrail at schools and parks. Phase 3 includes Framingham High School, Barbieri, Hemenway, Juniper Hill, and Potter Road.	$0	$360,223
Play. Equip \ Hand. Access., Phase 4-Winch Park	Parks and Recreation	48	2016	The Parks and Recreation Department has a play structures list that is prioritized according to equipment in need of replacement or upgrade. Phase 4 of this replacement program will provide funding to significantly improve Winch Park. The budget estimate is based on a project currently under construction with associated pricing provided by Weston and Sampson Architectural Firm and includes accessibility improvements, play equipment, rubber safety mulch and poured in place rubber surfacing.	$0	$77,050
Butterworth Athletic Fields Renovation and Irrigation	Parks and Recreation	51	2016	Complete renovatin of 9 acres of softball, baseball, & multi purpose area at Butterworth Complex including irrigation, 1" top dressing and clay infield installation. This project quote contains a 15% Engineering fee, 15% contingency fee, 10% Overhead and Profit Fee	($9,000)	$528,300
Saxonville Beach Landscape and Design Improvements	Parks and Recreation	52	2016	Improvements to landscape, linkage to the bathhouse from the parking, and other amenities.	$0	$72,000
Tennis and Basketball Court Resurfacing Phase 2 - Bowditch Tennis and Basketball	Parks and Recreation	46	2016	Resurfacing of the sport courts, installation of new fencing, and installation of new tennis and basketball hardware.	$0	$284,442

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY16 Cost
Miscellaneous Building Roof Replacement Phase 2	Parks and Recreation	50	2016	Replacement of roofs at various park locations. this phase will replace the roofs at buildings #1 and #2 at Tercentennial Park.	$0	$49,170
F550 4x2 Trash Packer	Parks and Recreation	41	2016	F550 4x2 Trash Packer	$0	$89,494
Ford F650 J-Hook	Parks and Recreation	42	2016	Ford F750 J-Hook	$0	$149,969
Kubota Tractor L4740 GST 4x4	Parks and Recreation	43	2016	Kubota Tractor L4740 GST 4x4	$0	$37,511
Cushing Memorial Park Phase 6	Parks and Recreation	44	2016	Phase 6 of the development of Cushing Memorial Park	$0	$600,000
Bowditch Track Reconstruction & Synthetic Field	Parks and Recreation	45	2016	Reconfiguration and reconstruction of the track at Bowditch Field and construction of a new synthetic field.	$0	$2,599,830
Park Signage Program Phase 3	Parks and Recreation	54	2016	Installation of a signage program for Parks and Recreation properties throughout town.	$0	$32,712
Loring Arena Energy Improvements	Parks and Recreation	49	2016	Upgrade and improvement of the various mechanical energy systems of the rink including heating for spectator areas, hot water boiler and distribution system.	$0	$81,250
FY16 Total Parks and Recreation Division Requests						$4,961,951
Western Avenue Facility Modification	Public Works - Admin	60	2016	Modification to Western Avenue Facility	$0	$4,000,000
FY16 Total Administration Department Requests						$4,000,000
Saxonville Levee Pump Station Improvements - Construction	Public Works - Engineering	66	2016	Design to replace combustion engine funds with electric funds. Also includes upgrades controls to be integrated into the A-St Wastewater Management Facility.	$0	$750,000
Stormwater Master Plan - Phase V	Public Works - Engineering	69	2016	The study and assessment of the stormwater systems and associated surface water.	$0	$250,000
Salem End Road Bridge Repair - Construction	Public Works - Engineering	70	2016	Bridge Improvements	$0	$750,000
Tarralli Terrace Bridge Replacement Design & Permitting	Public Works - Engineering	67	2016	Assessment and design for bridge improvements	$0	$250,000

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY16 Cost
Catch Basin Replacements	Public Works - Engineering	68	2016	Catch Basin Replacement (160 structures)	$0	$400,000
FY16 Total Engineering Department Requests						$2,400,000
Sidewalk/Accessibility Improvements 2016	Public Works - Highway	63	2016	The replacement and addition of sidewalk ramps in conformance with the ADA. Also improvements in sidewalks and other accessibility issues.	$0	$150,000
Replacement of Vehicle #40	Public Works - Highway	64	2016	8,800 GVW 4WD Pick-Up Truck	$0	$51,040
Replacement of Vehicle #42	Public Works - Highway	65	2016	8,800 GVW 4WD Pick-up Truck w/Plow	$0	$51,040
Replacement of Vehicle #417	Public Works - Highway	61	2016	15,000 GVW 4WD C&C w/Rack Body & Plow	$0	$74,584
Roadway Improvements 2016	Public Works - Highway	62	2016	Supplemental funds for the surfacing, restoration and/or reconstruction of the Town's arterial and secondary roadway segments.	$0	$5,200,000
FY16 Total Highway Department Requests						$5,526,664
# 515	Public Works - Sanitation	57	2016	72,000 GVW Cab and Chassis with Refuse Packer and Plow	$0	$294,709
FY16 Total Sanitation Department Requests						$294,709
Replacement Truck	School Department	40	2016	Replacement Truck	$0	$50,000
Paving Replacement/Storm Water All Schools - Phased Project (4)	School Department	37	2016	Phase 4 of 5. Paving replacement and repair including compliance with federal storm water regulations at all schools - multiphase project. Please note current Town of Framingham unit pricing contract with Lorruso Corporation was used to determine cost.	$0	$300,000
Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (5)	School Department	38	2016	Phase 5 of 6. Continue upgrading AHU equipment at Walsh and Barbieri Schools, then other schools on an annual basis.	$0	$200,000
Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple System Phased Project (4)	School Department	39	2016	Phase 4 of 5. Mechanical, electrical and plumbing upgrades in all schools in order to properly maintain buildings.	$0	$150,000

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY16 Cost
Replace Deteriorated Floor Tile Main Areas and Corridors-Multiple Schools-Phased Project (4)	School Department	41	2016	Phase 4 of 5. Replace deteriorated floor tile with new tile in main areas and in corridors at Barbieri, Walsh and various other schools.	$0	$200,000
Furnish New and Replace Outdated Furniture - Phased Project (4)	School Department	42	2016	Phase 4 of 5. Furnish new and replace outdated furniture in multiple schools.	$0	$300,000
Food Service Equipment Replacement - Phased Project (4)	School Department	43	2016	Phase 4 of 5. Food Service Equipment Replacement - Multiple Schools	$0	$25,000
ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (4)	School Department	36	2016	Phase 4 of 5. ADA upgrades to curbs, sidewalks and handicap ramps at various schools in the District. Please note current Town of Framingham unit pricing contract with Lorusso Corporation was used to generate cost.	$0	$300,000
FY16 Total School Department Requests						$1,525,000
Memorial Building Cabling Project	Technology Services	7	2016	This request is made to replace the current network cable system in the Memorial Building	$0	$500,000
FY16 Total Technology Services Requests						$500,000
Grand Total FY16 General Fund Requests						$20,213,324

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY17 Cost
RFID and Self-checkout	Library	15	2017	This project is for a self-service, automated materials handling system for both the Main Library and McAuliffe Branch Library. During the course of the year, the Library handles almost 2 million transactions.That volume of work requires four or five library staff to be assigned to the check-in and check-out station at any given time. This process can be time-consuming and cumbersome, drawing on staff time and resources. This system provides both automated check-out and check-in technology.	$0	$284,500
FY17 Total Library Requests						$284,500
Fire Prevention Arson Unit	Fire	18	2017	Design a Fire Prevention Arson Unit investigation vehicle, meeting the needs of a modern Fire Department.	$0	$55,363
Replace Shift Commander Car	Fire	19	2017	Replace Car 2.	$0	$38,987
Phase 2 - Protective Clothing Replacement	Fire	17	2017	Second phase of protective clothing replacement.	$0	$80,000
FY17 Total Fire Department Requests						$174,350
Play Equip. / Hand. Access., Phase 5-Temple Street Park	Parks and Recreation	59	2017	The Parks and Recreation Department has a play structures list that is prioritized according to equipment in need of replacement or upgrade. Phase 5 of this replacement program will provide funding to significantly improve Temple Street Park. The budget estimate is based on a project currently under construction with associated pricing provided by Weston and Sampson Architectural Firm and includes accessibility improvements, play equipment, rubber safety mulch and poured in place rubber surfacing.	$0	$77,050
Winch Lower Synthetic Turf Installation	Parks and Recreation	61	2017	Installation of Synthetic Turf at Framingham High School.	$0	$796,875
Irrigation Wells- Miscellaneous Sites	Parks and Recreation	60	2017	Installation of irrigation wells at 12 playing fields- Bowditch, Galvani, Fuller, Butterworth, Mary Dennison, Long's Little League, Barbieri, Victory, Center Common, King, Winch, and Potter Road. This project contains a 15% construction contingency , 15% engineering contingency, and 10% overhead and profit figure.	$0	$287,500
Furber Park Retaining Wall and Irrigation	Parks and Recreation	63	2017	Installation of a retaining wall and irrigation at Furber Park.	$0	$126,875
Tennis and Basketball Court Resurfacing Phase 3 - Butterworth Courts	Parks and Recreation	64	2017	Resurfacing of the sport courts, installation of new fencing, and installation of new tennis and basketball hardware.	$0	$259,469

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY17 Cost
Farm Pond Shelter and Public Toilet Construction	Parks and Recreation	65	2017	Shelter and Public Toilet construction at Farm Pond.	$0	$173,712
Case MTX 570 Loader	Parks and Recreation	57	2017	Case MTX 570 Loader.	$0	$75,744
Beach Landscape & Design Improvements Phase 3 - Learneds	Parks and Recreation	58	2017	Aesthetic improvements including new walkways, plantings, benches, picnic areas.	$0	$72,000
F450 4x4 Crew Cab Dump Truck 16,000 GVW	Parks and Recreation	55	2017	F450 4x4 Crew Cab Dump Truck 16,000 GVW	$0	$62,782
Loring Arena Renovations	Parks and Recreation	62	2017	This renovation program will provide 4 locker rooms with adjacent shower and toilet facilities, mens and ladies rooms, skate shop, snack bar, lobby/ office, building code issues, handicapped accessibility, and some mechanical systems.	$0	$2,800,000
F450 4x4 Reg Cab Dump Truck 16,000 GVW	Parks and Recreation	56	2017	F450 4x4 Reg Cab Dump Truck 16,000 GVW	$0	$55,962
FY17 Total Park and Recreation Department Requests						$4,787,969
Nobscot Fire Station Area Drainage Improvements	Engineering	77	2017	Nobscot Fire Station Area Drainage Improvements	$0	$500,000
Tarralli Terrace Bridge Construction	Engineering	75	2017	Bridge Improvements	$0	$2,000,000
Catch Basin Replacements	Engineering	78	2017	Catch Basin Replacement (160 structures)	$0	$380,000
Clean, TV Inspection for High Sediment Lines	Engineering	76	2017	Clean, TV inspection for high sediment lines (14,000 ft)	$0	$150,000
FY17 Total Engineering Department Requests						$3,030,000
Replacement of Vehicle # 302	DPW- Garage	71	2017	17,500 GVW 4WD Cab and Chassis with Service Body	$0	$144,801
FY17 Total Fleet Department Requests						$144,801
Roadway Improvements - 2017	Highway	74	2017	Supplemental funds for the surfacing, restoration and/or reconstruction of the Town's arterial and secondary roadway segments.	$0	$5,200,000
Sidewalk/Accessibility Improvements - 2017	Highway	73	2017	The replacement and addition of sidewalk ramps in conformance with the ADA. Also improvements in sidewalks and other accessibility issues.	$0	$150,000
FY17 Total Highway Department Requests						$5,350,000

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY17 Cost
Replacement of Vehicle # 517	Sanitation	72	2017	72,000 GVW Cab and Chassis with Refuse Packer and Plow	$0	$306,497
FY17 Total Sanitation Department Requests						$306,497
Replacement Truck	School Department	49	2017	Replacement Truck	$0	$50,000
ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (5)	School Department	44	2017	Phase 5 of 6. ADA upgrades to curbs, sidewalks and handicap ramps at various schools in the District. Please note current Town of Framingham unit pricing contract with Lorusso Corporation was used to generate cost.	$0	$300,000
Food Service Equipment Replacement - Phased Project (5)	School Department	51	2017	Phase 5 of 5. Food Services Equipment Replacement - Multiple Schools	$0	$25,000
Furnish New and Replace Outdated Furniture - Phased Project (5)	School Department	50	2017	Phase 5 of 5. Furnish new and replace outdated furniture in multiple schools.	$0	$300,000
Paving Replacement/Storm Water All Schools - Phased Project (5)	School Department	45	2017	Phase 5 of 6. Paving replacement and repair including compliance with federal storm water regulations at all schools - multiphase project. Please note current Town of Framingham unit pricing contract with Lorruso Corporation was used to determine cost.	$0	$300,000
Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (6)	School Department	46	2017	Phase 6 of 6. Continue upgrading AHU equipment at Walsh and Barbieri Schools, then other schools on an annual basis.	$0	$200,000
Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple System Phased Project (5)	School Department	47	2017	Phase 5 of 5. Mechanical, electrical and plumbing upgrades in all schools in order to properly maintain buildings.	$0	$150,000
Replace Deteriorated Floor Tile in Main Areas and Cooridors - Multiple Schools - Phased Project (5)	School Department	48	2017	Phase 5 of 5. Replace deteriorated floor tile with new tile in main areas and in corridors at Barbieri, Walsh and various other schools.	$0	$200,000
FY17 Total School Department Requests						$1,525,000
Grand Total FY17 General Fund Requests						$15,603,117

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY18 Cost
Communications Upgrade	Fire	21	2018	Upgrade departmental communications equipment.	$0	$250,000
Phase 3 - Protective Clothing Replacement	Fire	20	2018	Third phase of personal protective clothing replacement.	$0	$80,000
FY18 Total Fire Department Requests						$330,000
Brush Bandit 1590XT Brush Chipper	Parks and Recreation	66	2018	Brush Bandit 1590XT Brush Chipper.	$0	$49,401
F350 4x4 Extended Cab 10,000 GVW	Parks and Recreation	68	2018	F350 4x4 Extended Cab 10,000 GVW	$0	$34,068
Lighting Mary Dennison II Softball Field	Parks and Recreation	69	2018	Lighting Mary Dennison II softball field.	($1,000)	$161,250
Barbieri Complex Renovation & Irrigation	Parks and Recreation	71	2018	Complete renovation and irrigation of 5.29 acres of playing fields located at Barbieri School.	($9,000)	$484,035
Walsh restrooms and storage	Parks and Recreation	74	2018	Addition of restrooms at the Walsh Athletic Complex.	$0	$90,792
Tennis and Basketball Court Resurfacing Phase 4 - Anna Murphy, Arlington St, Furber, Mt. Wayte	Parks and Recreation	70	2018	Resurfacing of the sport courts and installation of new fencing, and installation of new tennis and basketball hardware.	$0	$215,381
Waushakum Beach Handicapped Accessibility Improvements	Parks and Recreation	72	2018	Handicapped accessibility improvements to Waushakum Beach.	$0	$250,000
Rollerblade and Skateboard Park	Parks and Recreation	73	2018	Construction of a Rollerblade and Skateboard Park	$0	$393,750
F250 4x4, Extended Cab Pickup, 8,800 GVW	Parks and Recreation	67	2018	F250 4x4, Extended Cab Pick Up, 8,800 GVW	$0	$31,009
FY18 Total Park & Recreation Department Requests					($10,000)	$1,709,686
Catch Basin Replacements	Engineering	88	2018	Catch Basin Replacement (160 structures)	$0	$380,000
Franklin Street Outfall Improvements	Engineering	87	2018	Rehabilitate outfall at 180 Franklin Street	$0	$25,000
FY18 Total Engineering Department Requests						$405,000

FY18 General Fund Project Requests

Project_Title	Department	Division Priority	Budget Year	Description	Operating Budget Impact	FY18 Cost
Replacement of Vehicle #43	Highway	80	2018	8,800 GVW 4WD Pick-up Truck w/Plow	$0	$55,204
Replacement # 470	Highway	84	2018	Sidewalk Tractor - Tracked	$0	$183,958
Roadway Improvements - 2018	Highway	83	2018	Supplemental funds for the surfacing, restoration and/or reconstruction of the Town's arterial and secondary roadway segments.	$0	$5,200,000
Replacement of Vehicle #45	Highway	82	2018	8,800 GVW 4WD Pick-up Truck w/Plow	$0	$55,204
Sidewalk/Accessibility Improvements - 2018	Highway	85	2018	The replacement and addition of sidewalk ramps in conformance with the ADA. Also improvements in sidewalks and other accessibility issues.	$0	$150,000
Replacement of Vehicle #412	Highway	86	2018	15,000 GVW 4Wheel Drive Cab and Chassis With Dump	$0	$81,117
Replacement of Vehicle #413	Highway	81	2018	15,000 GVW 4Wheel Drive Cab and Chassis With Dump	$0	$81,117
FY18 Total Highway Department Requests						$5,806,600
Replacement of Vehicle #510	Sanitation	79	2018	72,000 GVW C&C W/ Refuse Packer & Plow	$0	$318,757
FY18 Total Sanitation Department Requests						$318,757
FY18 Grand Total Capital Project Requests					($10,000)	$8,570,043

FY13 Enterprise Fund Project Recommendations

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Recommended Wastewater Department Projects						
Wastewater Back-Up Systems Upgrades	Sewer	10	2013	This project is for improvements to the back-up power and pumping systems at the Woodland and Salem End wastewater pumping stations. The work includes the installation of a generator and automatic transfer switch to power the pumps at the Woodland wastewater pumping station. The generator will be sized to meet the power demands of the station and other systems including lighting and SCADA systems. The Salem End wastewater pumping station improvements will include the addition of a critically silenced engine driven pump system that will also be configured to allow the SCADA control systems to be maintained during an extended power failure. Improvements at both stations will include minor civil improvements and electrical upgrades to allow the installation of the new systems.	$0	$550,000
Acquisition of a 15,000 GVW 4WD Utility Body Truck w/Plow #721	Sewer	2	2013	This unit is one of four assigned to the routine maintenance management of the 51 wastewater pump stations operated as part of the Town's wastewater collection system. Most of the stations have no emergency power capability and when power is interrupted the response time is critical in order to avoid the development of a Sanitary Sewer Overflow (SSO) which is the primary reason for the imposition of the consent order on the Town by the State. The Department is required to respond rapidly in order to avoid SSO's at the stations which can be caused by the failure of any of its countless component parts, or just by the infusion of ground water during heavy or prolonged rain events. Each of these stations has large mechanical components such as pumps, motors, and electrical components that need to be maintained on a regular basis. The new vehicle will be equipped with a lift gate to assist in the handling of portable pumps, generators and associated equipment and will have the ability to carry tools and supplies necessary to maintain the pumping stations.	$0	*$62,228*
Acquisition of a 4WD HD Cab & Chassis w/Pickup Body & Snow Plow # 725	Sewer	3	2013	This unit is assigned to the Wastewater Division for; the transportation and/or towing of equipment, tools, and personnel to work sites within the 250 mile wastewater collection network. The types of equipment transported include emergency lighting units, air compressors, diesel generators, cement mixers, heavy duty pumps, equipment trailers, and other construction and emergency types of specialized equipment. This vehicle responds to emergency repairs such as broken wastewater force mains which result in several Sanitary Sewer Overflows which have resulted in the Administrative Consent Order by the Department of Environmental Protection. Also, each year the Department performs in house construction of several capital projects and completed them efficiently and effectively, and at a 50% savings over the contracted construction estimate.	$0	*$45,374*

FY13 Enterprise Fund Project Recommendations

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Acquisition of a 40,000 GVW Cab & Chasis w/Dump Body & Snow Plow # 732	Sewer	4	2013	The proposed vehicle is a critical piece of equipment used routinely for both pipeline construction and for snow plowing. This equipment is used during the underground construction work that requires the removal and transport of backfill material, as well as for the transportation of pipe and excavation machinery. This vehicle responds to emergency repairs such as broken wastewater force mains which result in several Sanitary Sewer Overflows which have resulted in the Administrative Consent Order by the Department of Environmental Protection. Also, each year the Department performs in house construction of several capital projects and completed them efficiently and effectively, and at a 50% savings over the contracted construction estimate. The construction or repair of underground utilities requires the use of dump trucks as part of the excavation process.	$0	*$225,697*
Hancock Lane Pump Station Elimination Project Design and Construction	Sewer	5	2013	This capital project will allow for the elimination of the Hancock wastewater pumping station. The project will provide funds for the design and construction of a gravity sewer to the Blackberry pumping station. The project was part of a negotiated settlement between the developer of Ditullio Drive and the Town. The developer installed the Hancock pump station with plans to have a future sub-division provide an extension to eliminate the Hancock pumping station and connect it to the existing town-owned Blackberry pumping station. The entire sewer connection project will be completed by the developer and the Town. The Town is responsible to lower the existing sewer along the alignment from Brook Meadow Circle through easements to Millwood Circle to the Blackberry pumping station. The existing sewer, approximately 1,025 feet in length, must be lowered to allow for adequate cover in the developer constructed portion of the work. The work will also include obtaining easements and permitting the stream crossing. An allowance is provided for the oversight of the developers design and construction activities.	$10,000	$805,500
East Framingham Sewer Improvements Project and Central Street Siphon/ Sudbury River	Sewer	6	2013	The East Framingham Sewer Improvement Project and the Central Street Siphon/Sudbury River projects are two of the largest sewer projects outlined in the comprehensive wastewater Master Plan. The Town will eliminate several sanitary sewer overflows (SSOs) when these projects are completed. The Town is mandated to complete these projects under an Administrative Consent Order by the Department of Environmental Protection. These projects are currently under construction and have been approved to receive over $5 million under the American Recovery and Reinvestment Act of 2009 ("stimulus" funds).	$0	$2,400,000
Sewer Main Replacement Various Locations	Sewer	12	2013	The design and construction to replace existing wastewater mains and appurtenances in various locations. The work includes the rehabilitation or replacement of wastewater mains, manholes, structures and related equipment at locations to be identified later.	$0	*$250,000*

FY13 Enterprise Fund Project Recommendations

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Acquisition of a 11,000 GVW 4WD Utility Body Truck with Plow #704	Sewer	1	2013	This unit is one of four assigned to the routine maintenance management of the 51 wastewater pump stations, as well as, to the six water pump stations and the five above ground reservoirs in the system. Each of these stations has large mechanical components such as pumps, motors, and electrical components that need to be maintained on a regular basis. Most of the stations have no emergency power capability and when power is interrupted, the response time is critical in order to avoid the development of a Sanitary Sewer Overflow (SSO) which is the primary reason for the imposition of the consent order on the Town by the State. The Department is required to respond rapidly in order to avoid SSO's at the stations which can be caused by the failure of any of its countless component parts, or just by the infusion of ground water during heavy or prolonged rain events. The truck carries the essential equipment and tools necessary to perform the repairs required to keep the station functioning under severe conditions. The vehicle often works in emergency situations and its ongoing reliability is critical. This unit was deferred from last year's Capital Budget.	$0	*$56,152*
Speen Street Service Connections	Sewer	7	2013	The East Framingham Sewer Improvements Project (EFSIP) includes the elimination of the Speen Street Pump Station and the decommissioning of the associated 12-inch and 16-inch force main piping. The Speen Street Pump Station is located on the east side of Town on Speen Street near the I-90/Route 30 Interchange. As part of the EFSIP Project, it was noted that three existing out of Town accounts in Natick discharge their wastewater to the Framingham sewer system via direct connections to the Speen Street force main. This project includes the design and construction of improvements that include reuse of a portion of the existing force main to continue to provide sewer service to these three out of Town accounts.	$0	$650,000
Irving, Herbert, Loring, Sewer Construction Project Construction	Sewer	8	2013	This project will provide funds for the construction of a sewer system replacement/upgrade in the vicinity of the Herbert, Loring, and Irving Street intersection. The sewer siphons under the MWRA aqueduct will be upgraded and the pipe crossing at Beaver Dam Brook will also be upgraded. The length of sewer and siphon in the project is approximately 450 linear feet for each; for a total of approximately 900 linear feet. Sewer improvements are planned to include the installation of new siphons (24-inch and 18-inch) by jacking under the aqueduct and pipe crossing at grade across the brook. Disturbed roadway surfaces will be temporarily paved with a trench patch followed by full width mill and overlay (paid under the water portion of the project). Full easement acquisitions for multiple commercial and possible residential properties are anticipated as part of this project as well as costs associated with permitting for construction within the MWRA property. The project will include negotiations with Ashland in regards to the Inter-municipal agreement for capital cost allocation.	$2,000	$2,475,000

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Speen Street Interceptor Sewer Replacement Project Design and Construction	Sewer	9	2013	The funding for this project will allow the replacement of approximately 800 linear feet of 24-inch Vitrified Clay sewer pipe located immediately upstream of the Speen Street pump station. It also includes the evaluation and lining of an additional approximate 800 linear feet section of pipe located immediately upstream of the replacement section. The existing pipe has experienced two major breaks in the last few years and required significant excavation to perform emergency repairs. The project includes cost to obtain easements from landowners within the pipe alignment as well as restoration of disturbed surfaces along the alignment. The construction will require open cut construction work across a brook.	$0	$1,178,000
Total Recommended FY13 Sewer Department Requests					$12,000	$8,697,951
Allocation of Sewer Enterprise Fund Retained Earnings (no borrowing)						*$639,451*
Wastewater Projects Deferred to FY14						
Hemenway Gravity Sewer and Hop Brook / Railroad Sewer Crossing Project Construction	Sewer	11	2013	The Hemenway Road and Hop Brook Railroad Crossing Gravity Sewer Replacement Project will provide funds for the replacement of the two sections of the Town's gravity sewer system. The Hemenway Road gravity sewer was identified to be in deteriorated condition as a result of sulfide corrosion acting on the asbestos cement pipe and needs to be replaced in conjunction with the Eaton, Challis and Nob Hill pumping station project. The funding will provide monies to provide for the replacement of approximately 2,200 feet and lining of approximately 1,700 feet of gravity sewer on Eisenhower Road and Hemenway Road between Eaton Road and Merrill Drive. The roadway surface will also be restored as part of the project. The second section of sewer to be replaced as part of this project is the gravity sewer extending from Apple D'Or Road cross-country to Hemenway Road. The sewer in this section crosses the railroad and it exposed at two locations within the wetland and poses a threat to release wastewater into the wetland. Approximately 700 linear feet of sewer will be rehabilitated, replaced and realigned as part of the project. The pipe crossing of the railroad will include considerations for the protection of the sewer from surface activities.	$0	$2,965,000
Total Deferred FY13 Sewer Department Requests					$0	$2,965,000
Recommended Water Department Projects						
Irving, Loring and Herbert Street Intersection Water Improvements - Construction	Water	3	2013	This project will provide funds for the construction of approximately 1,300 linear feet of water main between Irving, Herbert, Loring intersection and Blandin Avenue. The new 12-inch main will replace a network of small and older mains which are in poor condition. The water main will cross Beaver Dam Brook above the water surface through the existing box culvert. Disturbed roadway surfaces will be temporarily paved with a trench patch followed by full width mill and overlay. The new system will replace two parallel antiquated water mains, which have experienced frequent breaks.	$5,000	$1,795,000

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Acquisition of a 11,000 GVW 4WD Utility Body Truck with Plow #615	Water	1	2013	This vehicle is used by Department staff in the regulatory compliance program related to the operation of the Water Distribution System and the operating requirements of its State and Federal licensing. The individuals that will be utilizing this vehicle are responsible for the inspection and semi-annual testing of over 2,000 backflow devices and the survey of properties to determine if they comply with backflow regulations. The Town is required to maintain a backflow and inspection program in accordance with Commonwealth of Massachusetts Regulation 310 CMR 22.22 and the reporting requirements are stringent and the consequences of failure are severe. The Department operates these types of Public Utility vehicles in order to accommodate the transportation of staff engaged in maintaining the various regulatory compliance standards and to meet other customer service requirements relative to requests for service such as meter maintenance, pressure testing, and other related inquiries. In many respects the service by staff in the vehicle provided is similar to the type of customer service provided by individuals representing Verizon, NStar, or a Cable company. They are typically one or two individual assignments that are often in a home and are appointment driven. The Department services 18,000 individual accounts ranging from single family homes to large industrial complexes. This vehicle also works in the snow management program and helps offset the need for additional contracted equipment	$0	*$56,152*
Beebe Water Storage Tanks Upgrade Construction Project	Water	4	2013	The Beebe Water Storage Tanks will be upgraded to provide a reliable facility for the northwestern Framingham water pressure zone. There are two tanks located on the site. The older was constructed more than 80 years ago and needs to be replaced. The newer concrete tank is in fair condition but requires several upgrades to extend the life span of the facility, allow for maintenance and to provide a safe and reliable facility within the Town's water distribution system. The anticipated work includes the demolition and replacement of the existing steel tank, safety and access upgrades to the concrete tank. Improvement to the mixing, electrical and SCADA control systems for the tank site as well as minor site improvements associated with the work. On-line and back-up power systems including the use of solar power will be included as part of the upgrade project. The funding will provide for the final design and construction of the Beebe upgrade project.	$1,000	$3,214,000
Acquisition of a 15,000 GVW 4WD Utility Body Truck with Automatic Gate Turner #608	Water	2	2013	This equipment is used by Department staff in the regulatory compliance program related to the operation of the Water Distribution System and the operating requirements of its State and Federal licensing. The vehicle will be outfitted with an automatic gate turner Wachs model TM- 4. It will also include portable generator, compressor, washer and vacuum to facilitate the cleaning and maintenance of water infrastructure. This vehicle is critical to the planned Gate Valve operating program which will carry on throughout the next several years once this vehicle is acquired. The Town currently spends thousands of dollars each year repairing seized and corroded gate valves throughout the 250-mile water distribution system. Many of these valves are in unworkable condition because they properly exercised and maintained. Also, unworkable valves pose a threat to public safety as they necessitate extensive shutdowns to repair water main breaks and they inhibit the Department's ability to control flows and assist with fire fighting.	$0	*$79,627*

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FY13 Enterprise Fund Project Recommendations

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY13 Cost
Water Hydrant and Gate Valve Replacements 2013	Water	6	2013	The requested funding will be used to replace approximately 50 hydrants and 25 gate valves utilizing in-house staff and contracted services as-needed. The appropriation includes the purchase of hydrants, gate valves and appurtenances as well as roadway and sidewalk restoration. Additionally the department will be continuing a Gate valve exercising program that was successfully piloted this past summer.	$0	*$200,000*
Water Main Replacement Various Locations	Water	5	2013	The design and construction to replace existing water mains and appurtenances in various locations. The work includes the rehabilitation or replacement of water mains, hydrants, valves, services and related equipment at locations to be identified later.	$0	*$200,000*
FY13 Total Water Department Requests					$6,000	$5,544,779
Allocation of Sewer Enterprise Fund Retained Earnings (no borrowing)						*$535,779*

FY14 Enterprise Fund Projects

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY14 Cost
Sewer Main Replacement Various Locations 2014	Sewer	17	2014	Funding for the DPW to respond to unanticipated sewer system failures.	$0	$300,000
Replacement of Vehicle # 740	Sewer	13	2014	60,000 GVW Cab and Chassis w/ Flusher	$0	$272,301
Replacement of Vehicle #76	Sewer	14	2014	F Series Heavy Duty Cab and Chassis w/ Plow	$0	$58,398
Worcester Road Pumping Station Elimination Project - Construction	Sewer	15	2014	Eliminate Worcester Road PS. Run gravity sewer to Kittredge PS. Upgrade Kittredge PS and FM. Connect new FM to EFSIP phase 1 along Prindiville to Grant Street. Eliminate Union Ave extension siphon.	$0	$15,000,000
Central Street Sewer Improvements - Design	Sewer	16	2014	Replace approx. 12,200 l.f. of existing 12-inch w.p. with new 12-inch w.p.	$0	$250,000
Comprehensive Wastewater Management Plan Update	Sewer	18	2014	Amend and update the Comprehensive Wastewater Master Plan to account for significant infrastructure improvements since the initial draft and adjust CIP accordingly.	$0	$500,000
Gates St/Oak Crest/Salem End Rd Pump Station Project - Design	Sewer	19	2014	Eliminate Gates PS with new gravity down to Salem End Road PS. Upgrade Salem End Rd FM. Gravity Sewer on Temple St.	$0	$2,000,000
FY14 Total Sewer Department Requests					$0	$18,380,699
Water Main Replacement Various Locations 2014	Water	11	2014	Funding for the DPW to respond to unanticipated water system failures.	$0	$200,000
Barbieri Road Water Main - Construction	Water	10	2014	Directional drill of approx. 1,500 of new 8-inch w.p.	$0	$1,012,500
Replacement of Vehicle #607	Water	7	2014	15,000 GVW 2 Wheel Drive With Utility Body	$0	$62,233
Replacement of Equipment #696	Water	8	2014	Portable Welder	$0	$47,449
Route 9 / Central Street Water Design	Water	19	2014	Install approx. 6,500 l.f. of new 20-inch w.p.	$0	$242,000
Salem End Road Water Design	Water	17	2014	Install approx. 400 l.f. of new 8-inch w.p.	$0	$650,000
Water Master Plan Update	Water	18	2014	Update of Water Master Plan & recalibaration of water distribution model.	$0	$750,000
Replacement of Vehicle # 618	Water	19	2014	11,000 GVW 4WD Cab and Chassis with Utility Body & Plow	$0	$58,398
Replace Vehicle #624	Water	20	2014	11,000 GVW C&C w/ Utility Body	$0	$58,398

FY14 Enterprise Fund Projects

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY14 Cost
Water Hydrant and Gate Valve Replacements 2014	Water	12	2014	Funding for the timely repair of water system infrastructure.	$0	$300,000
Learned Street Water Main Replacement	Water	14	2014	Replace approx. 400 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$166,500
Myrtle Street Water Main Replacement	Water	15	2014	Replace approx. 450 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$187,500
Evergreen Street Water Main Replacement	Water	13	2014	Replace approx. 650 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$270,600
Union Avenue Water Main Replacement - Construction	Water	9	2014	Replace approx. 9,100 l.f. of existing 8/12-inch w.p. with new 12-inch w.p.	$0	$4,299,750
Central Street Water Main Design	Water	22	2014	Replace approx. 12,200 l.f. of existing 12-inch w.p. with new 12-inch w.p.	$0	$385,000
Replacement of Vehicle #650	Water	21	2014	Backhoe/Loader	$0	$146,817
FY14 Total Water Department Requests					$0	$8,837,145

FY15 Enterprise Fund Projects

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY15 Cost
Sewer System Evaluation Study Phase 6	Sewer	25	2015	SSES work in Sub-areas K, C, A, E and M	$0	$500,000
Sewer Main Replacement Various Locations 2015	Sewer	24	2015	Funding for the DPW to respond to unanticipated sewer system failures.	$0	$300,000
Replacement of Vehicle #75	Sewer	20	2015	F Series Heavy Duty Cab and Chassis w/ Plow	$0	$60,708
Central Street Sewer Improvements - Construction	Sewer	23	2015	Improve Remaining sections of sewer on Central St	$0	$2,000,000
Union Avenue Sewer Improvements - Construction	Sewer	21	2015	Replace existing sewer main.	$0	$6,750,000
Technology Park Sewer: Baiting Brook Interceptor and Lower 9/90 Interceptor Upgrades - Construction	Sewer	22	2015	Upgrade to Baiting Brook Interceptor and lower 9/90 Interceptor to support Tech Park expansion. Construction of Bainting Brook only	$0	$4,000,000
Replacement of Vehicle #726	Sewer	51	2015	F Series Heavy Duty Cab and Chassis w/ Rack Body & Plow	$0	$70,512
Woodland Pump Station Replacement - Design	Sewer	26	2015	Upgrade Woodland Pumping Station and Force Main.	$0	$400,000
FY15 Total Sewer Department Requests						$14,081,220
Replacement of Vehicle #625	Water	23	2015	11,000 GVW 4WD Cab and Chassis with Dump Body	$0	$72,112
Water Hydrant & Gate Valve Replacements 2015	Water	29	2015	Funding for the timely repair of water system infrastructure.	$0	$300,000
Indian Head Water Tank Rehabilitation - Design	Water	32	2015	Rehabilitate Existing 3.5 million gallon water storage tank.	$0	$165,000
Edgell Water Pump Station Design	Water	31	2015	Rehabilitate Existing 9.4 MGD Pump Station.	$0	$405,000
Warren Road and Prindiville Water Main	Water	26	2015	Water main replacement with Worcester Rd PS Elimination Project.	$0	$300,000
Route 9 / Central Street Water Construction	Water	30	2015	Install approx. 6,500 l.f. of new 20-inch w.p.	$0	$3,619,700
Temple Street Water Replacement - Design	Water	33	2015	Replace approx. 3,500 l.f. of existing 8-inch w.p. with new 8-inch w.p.	$0	$108,000

FY15 Enterprise Fund Projects

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY15 Cost
Central Street Water Main Replacement - Constructi	Water	24	2015	Replace approx. 12,200 l.f. of existing 12-inch w.p. with new 12-inch w.p.	$0	$5,764,500
Edmands Road Water Main Replacement - Construction	Water	27	2015	Install new 8-inch w.p. to loop dead-end pipe from Southborough.	$0	$1,700,000
Salem End Road Water Main Construction	Water	25	2015	Install approx. 400 l.f. of new 8-inch w.p.	$0	$6,646,500
Water Main Replacements Various Locations 2015	Water	28	2015	Funding for the DPW to respond to unanticipated water system failures.	$0	$200,000
FY15 Total Water Department Requests						$19,280,812

FY16 Enterprise Fund Projects

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY16 Cost
Little Farm Pump Station Upgrade and Siphon Replacement - Design	Sewer	34	2016	Upgrade Little Farms PS (look to have capacity for Larnis PS (future elimination) and FM. Replace Purchase siphon.	$0	$300,000
Sewer Rehabilitation Project A	Sewer	31	2016	Rehabilitation of deficient sewers found in SSES Phase 1.	$0	$1,500,000
Sewer System Evaluation Study Phase 7	Sewer	33	2016	SSES work in Sub-areas R, V, L, N, B, and BB.	$0	$500,000
Pleasant Street Pump Station Improvements - Design	Sewer	35	2016	Upgrade Pleasant Street Pumping Station and Force Main. Relieve gravity sewer capacity issue upstream of PS.	$0	$500,000
Gates St/Oak Crest/Salem End Rd Pump Station Project - Construction	Sewer	30	2016	Eliminate Gates PS with new gravity down to Salem End Road PS. Upgrade Salem End Rd FM. Gravity Sewer on Temple St.	$0	$15,000,000
Replacement of Vehicle #742	Sewer	27	2016	18,000 GVW Cab and Chassis with Closed Camera Body	$0	$283,737
Western Avenue Facility Modification	Sewer	29	2016	Modification to Western Avenue Facility	$0	$4,000,000
Sewer Main Replacement Various Locations 2016	Sewer	32	2016	Funding for the DPW to respond to unanticipated sewer system failures.	$0	$300,000
Replacement of Vehicle #720	Sewer	28	2016	17,500 GVW 2WD Cab and Chassis w/ Sewer Rodder	$0	$114,861
FY16 Total Sewer Department Requests						**$22,498,598**
Replacement of Vehicle #63	Water	34	2016	11,000 GVW 4WD Cab and Chassis w/Utililty Body & Plow	$0	$63,163
Temple Street Water Replacement - Construction	Water	44	2016	Replace approx. 3,500 l.f. of existing 8-inch w.p. with new 8-inch w.p.	$0	$1,614,375
Maple Street Water Main Design	Water	47	2016	Replace approx. 3,600 l.f. of existing 12/14-inch w.p. with new 16-inch w.p.	$0	$106,000
Pleasant Street Water Main Design	Water	46	2016	Replace approx. 12,200 l.f. of existing 8-inch w.p. with new 8-inch w.p.	$0	$320,000
Western Avenue Facility Modification	Water	41	2016	Modification to Western Avenue Facility	$0	$4,000,000
Replacement of Vehicle #622	Water	37	2016	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	$0	$63,163
Replacement of Vehicle #68	Water	40	2016	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	$0	$63,163

FY16 Enterprise Fund Projects

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY16 Cost
Replacement of Vehicle #66	Water	39	2016	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	$0	$63,163
Replacement of Vehicle #617	Water	36	2016	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	$0	$63,163
Replacement of Vehicle # 67	Water	35	2016	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	$0	$63,163
Indian Head Water Tank Rehabilitation - Construction	Water	43	2016	Rehabilitate Existing 3.5 million gallon water storage tank.	$0	$2,035,000
Replacement of Vehicle #65	Water	38	2016	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	$0	$63,163
Water Main Replacements Various Locations 2016	Water	45	2016	Funding for the DPW to respond to unanticipated water system failures.	$0	$200,000
Edgell Water Pump Station - Construction	Water	42	2016	Rehabilitate Existing 9.4 MGD Pump Station.	$0	$4,860,000
FY16 Total Water Department Requests						**$13,577,516**

FY17 Enterprise Fund Projects

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY17 Cost
Little Farm Pump Station Upgrade and Siphon Replacement - Construction	Sewer	39	2017	Upgrade Little Farms PS (look to have capacity for Larnis PS (future elimination) and FM. Replace Purchase siphon.	$0	$2,700,000
Replacement of Vehicle # 728	Sewer	37	2017	15,000 GVW 4WD Cab and Chassis with Utility Body and Snow Plow	$0	$72,798
Flanagan and Weld Pumping Station Upgrade/Replacement Project - Design	Sewer	44	2017	Replacement/ Upgrade of two pumping stations.	$0	$250,000
Pleasant Street Pump Station Improvements - Construction	Sewer	40	2017	Upgrade Pleasant Street Pumping Station and Force Main. Relieve gravity sewer capacity issue upstream of PS.	$0	$4,000,000
Sewer Rehabilitation Project D - Design	Sewer	45	2017	Rehabilitation of deficient sewers found in SSES Phase 4.	$0	$250,000
Sewer Main Replacement Various Locations 2017	Sewer	43	2017	Funding for the DPW to respond to unanticipated sewer system failures.	$0	$300,000
Sewer Rehabilitation Project B	Sewer	42	2017	Rehabilitation of deficient sewers found in SSES Phase 2.	$0	$1,500,000
Woodland Pump Station Replacement - Construction	Sewer	38	2017	Upgrade Woodland Pumping Station and Force Main.	$0	$3,600,000
Technology Park Sewer: 9/90 Interceptor, Farm Pond Interceptor, Mountain Road Redirection Upgrades - Design	Sewer	41	2017	Upgrade to NY Ave PS and Baiting Brook Interceptor as a result of Genzyme expansion. Funding through a state MORE grant. PHASE 2.	$0	$600,000
Replacement of Vehicle # 733	Sewer	36	2017	35,000 GVW Cab and Chassis with Dump Body and Snow Plow	$0	$264,034
FY17 Total Sewer Department Requests						$13,536,832
Water Main Replacements Various Locations 2017	Water	51	2017	Funding for the DPW to respond to unanticipated water system failures.	$0	$200,000
Edgell Road Water Main Design	Water	53	2017	Replace approx. 9,300 l.f. of existing 8-inch w.p. with new 12-inch w.p.	$0	$293,000
Worcester Road / Technology Park Water - Design	Water	54	2017	Replace approx. 2,800 l.f. of existing 12-inch w.p. with new 16-inch w.p.	$0	$99,750
Merriam Hill Water Tank Rehabilitation - Design	Water	55	2017	Rehabilitate Existing 3.5 million gallon water storage tank.	$0	$165,000
Replacement of Vehicle # 630	Water	48	2017	35,000 GVW Cab and Chassis with Dump Body and Snow Plow	$0	$264,034

FY17 Enterprise Fund Projects

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY17 Cost
Pleasant Street Water Main Construction	Water	49	2017	Replace approx. 12,200 l.f. of existing 8-inch w.p. w/ new 8-inch w.p.	$0	$4,786,875
Wilde Avenue Water Main Replacement - Design	Water	61	2017	Replace approx. 550 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$15,000
Benson Avenue Water Main Replacement - Design	Water	56	2017	Replace approx. 1,010 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$29,000
Knox Avenue Water Main Replacement - Design	Water	57	2017	Replace approx. 300 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$10,000
Seminole Avenue Water Main Replacement - Design	Water	60	2017	Replace approx. 700 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$20,000
Palmetto Avenue Water Main Replacement - Design	Water	59	2017	Replace approx. 700 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$20,000
Larabee Avenue Water Main Replacement - Design	Water	58	2017	Replace approx. 640 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$18,000
Stoney Brook Water Transmission Main - Design	Water	52	2017	Construction of new 20" Water Transmission Main.	$0	$200,000
Maple Street Water Main Replacement Construction	Water	50	2017	Replace approx. 3,600 l.f. of existing 12/14-inch w.p. with new 16-inch w.p.	$0	$1,579,500
FY17 Total Water Department Requests						$7,700,159

FY18 Enterprise Fund Projects

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY18 Cost
Sewer Rehabilitation Project C	Sewer	47	2018	Rehabilitation of deficient sewers found in SSES Phase 3.	$0	$1,500,000
Brownlea Pump Station Elimination Project - Design	Sewer	50	2018	Brownlea Pump Station Elimination. Connect to new Speen Street gravity elimination sewer in former RR easement.	$0	$250,000
Garvey, Eastleigh, Blackberry & McQuinn Pump Station Improvements - Design	Sewer	49	2018	Upgrade Eastleigh, Blackberry, and McQuinn Pumping stations and Force Mains.	$0	$300,000
Flanagan and Weld Pumping Station Upgrade/Replacement Project - Construction	Sewer	46	2018	Replacement/ Upgrade of two pumping stations.	$0	$2,000,000
Sewer Main Replacement Various Locations 2018	Sewer	48	2018	Funding for the DPW to respond to unanticipated sewer system failures.	$0	$300,000
FY18 Total Sewer Department Requests						**$4,350,000**
Cochituate Road Water Main Replacement - Design	Water	79	2018	Replace approx. 4,100 l.f. of existing 6-inch w.p. w/new 12-inch w.p.	$0	$120,000
Palmeto Avenue Water Main Replacement - Construction	Water	70	2018	Replace approx. 700 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$291,375
Seminole Avenue Water Main Replacement - Construction	Water	71	2018	Replace approx. 700 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$291,375
Water Main Replacements - Various Locations 2018	Water	73	2018	Funding for the DPW to respond to unanticipated water system failures.	$0	$200,000
Norman Hill Road Water Main Replacement - Design	Water	74	2018	Replace approx. 1,100 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$32,000
Stoney Brook Water Transmission Main - Construction	Water	63	2018	Construction of new 20" Water Transmission Main.	$0	$1,800,000
Replacement of Vehicle #651	Water	62	2018	Backhoe/Loader with Plow	$0	$158,798
Taylor Street Water Main Replacement - Design	Water	80	2018	Replace approx. 650 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$18,500
South Street Water Main Replacement - Design	Water	81	2018	Replace approx. 1,200 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$34,000
Worcester Road / Technology Park Water - Construction	Water	65	2018	Replace approx. 2,800 l.f. of existing 12-inch w.p. with new 16-inch w.p.	$0	$1,354,500

FY18 Enterprise Fund Projects

Project_Title	Dept	Division Priority	Budget Year	Description	Operating Budget Impact	FY18 Cost
Edgell Road Water Main Replacement Construction	Water	64	2018	Replace approx. 9,300 l.f. of existing 8-inch w.p. with new 12-inch w.p.	$0	$4,394,250
Benson Avenue Water Main Replacement - Construction	Water	67	2018	Replace approx. 1,010 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$420,700
Larabee Avenue Water Main Replacement - Construction	Water	69	2018	Replace approx. 640 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$266,400
Barber Road Water Main Replacement - Design	Water	75	2018	Replace approx. 1,200 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$33,500
Church Street Water Main Replacement - Design	Water	76	2018	Replace approx. 1,200 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$34,200
Maynard Road Water Main Replacement - Design	Water	77	2018	Replace approx. 3,400 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$95,000
Adams Road Water Main Replacement - Design	Water	78	2018	Replace approx. 900 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$25,000
Knox Avenue Water Main Replacement - Construction	Water	68	2018	Replace approx. 300 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$124,875
Wilde Avenue Water Main Replacement - Construction	Water	72	2018	Replace approx. 550 l.f. of existing 6-inch w.p. with new 8-inch w.p.	$0	$229,500
Merriam Hill Water Tank Rehabilitation - Construction	Water	66	2018	Rehabilitate Existing 3.5 million gallon water storage tank.	$0	$2,035,000
FY18 Total Water Department Requests						**$11,958,973**

Town Of Framingham

FY2012-2017 Capital Improvement Plan

FY2012-2017 General Fund Debt Service Impact

General Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018
General Fund Estimated Revenue	$ 224,069,035	$ 231,708,055	$ 239,590,203	$ 248,428,542	$ 258,549,391	$ 268,891,367
Debt Service Policy Limit of 5%	$ 11,203,452	$ 11,585,403	$ 11,979,510	$ 12,421,427	$ 12,927,470	$ 13,444,568
Existing General Fund Debt Service Total	$ 9,527,096	$ 8,559,354	$ 7,660,007	$ 5,793,012	$ 5,130,680	$ 4,888,113
Authorized but Unissued Total	$ 463,958	$ 2,520,808	$ 2,372,525	$ 2,298,411	$ 2,224,295	$ 2,150,184
Total Debt Service on Existing General Fund Debt	**$ 9,991,054**	**$ 11,080,162**	**$ 10,032,532**	**$ 8,091,423**	**$ 7,354,975**	**$ 7,038,297**
LESS State Debt Service Reimbursements	$ (2,510,995)	$ (2,510,995)	$ (2,510,995)	$ (2,510,995)	$ (2,510,995)	$ (2,510,995)
Net Available Debt Service	**$ 7,480,059**	**$ 8,569,167**	**$ 7,521,537**	**$ 5,580,428**	**$ 4,843,980**	**$ 4,527,302**
Debt Service for FY2013 Capital Plan Projects	$ 126,295	$ 799,554	$ 755,795	$ 733,918	$ 712,036	$ 690,159
Debt Service for FY2014 Capital Plan Projects*		$ 564,695	$ 3,435,949	$ 3,523,508	$ 3,419,088	$ 3,322,260
Debt Service for FY2015 Capital Plan Projects*			$ 324,559	$ 1,952,000	$ 1,847,768	$ 1,795,656
Debt Service for FY2016 Capital Plan Projects*				$ 404,266	$ 2,102,514	$ 1,998,996
Debt Service for FY2017 Capital Plan Projects*					$ 312,063	$ 1,649,107
Debt Service for FY2018 Capital Plan Projects*						$ 171,400
Subtotal Future Debt Service:	**$ 126,295**	**$ 1,364,249**	**$ 4,516,303**	**$ 6,613,692**	**$ 8,393,469**	**$ 9,456,178**
New (Gross) Debt Service	**$ 10,117,349**	**$ 12,444,411**	**$ 14,548,835**	**$ 14,705,115**	**$ 15,748,444**	**$ 16,494,475**
LESS State Debt Service Reimbursements	$ (2,510,995)	$ (2,510,995)	$ (2,510,995)	$ (2,510,995)	$ (2,510,995)	$ (2,510,995)
Net Debt Service Calculation for Policy Limit	**$ 7,606,354**	**$ 9,933,416**	**$ 12,037,840**	**$ 12,194,120**	**$ 13,237,449**	**$ 13,983,480**
Percentage of Operating Budget	**3.4%**	**4.3%**	**5.0%**	**4.9%**	**5.1%**	**5.2%**

*Assumes all projects requested in FY14 to FY18 are authorized and maximum debt service is calculated. Each year is evaluated as they are authorized and reduced by vote of Town Meeting to not exceed available budget.

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FY13-18 Capital Budget Debt Service Projection 2013 Project Recommendations

Updated: 1/30/2012 9:52 AM

		Amount	Terms		FY13 Projected Debt Service 0	FY14 Projected Debt Service 1	FY15 Projected Debt Service 2	FY16 Projected Debt Service 3	FY17 Projected Debt Service 4	FY18 Projected Debt Service 5
X	Library Parking Garage Demoliltion		1	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
X	Library Parking Lot		20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
Y	Library Wiring of DDC		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
X	Library Parking Garage		20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
Y	Library HVAC System		20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
Y	Library Handicapped Ramp Construction	$425,000	20	4.0%	$ 8,500	$ 38,250	$ 36,550	$ 35,700	$ 34,850	$ 34,000
X	Design Study for Library Renovation	$40,000	5	4.0%	$ 800	$ 9,600	$ 8,960	$ 8,640	$ 8,320	$ 8,000
E	Replace Aerial Bucket Truck		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
E	Replace Facilities Pick-Up		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
X	Traffic Signal Group Re-Lamp		15	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
E	Replace Engine 1	$550,000	15	4.0%	$ 11,000	$ 58,667	$ 55,733	$ 54,267	$ 52,800	$ 51,333
E	New Chief Cruiser		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
Y	Replace Generator Fire Station 5		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
X	Parking Meter Update Phase 2	$53,468	10	4.0%	$ 1,069	$ 7,486	$ 7,058	$ 6,844	$ 6,630	$ 6,416
Y	Town Buildings Security Updates	$59,951	5	4.0%	$ 1,199	$ 14,388	$ 13,429	$ 12,949	$ 12,470	$ 11,990
X	Cushing Memorial Park Phase 5-Childrens Grove Play Area		1	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
X	Park & School Fence Replacement Phase 3		15	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
X	Playground Fiber Mulch Safety Surfacing Replacement Phase 1	$29,550	5	4.0%	$ 591	$ 7,092	$ 6,619	$ 6,383	$ 6,146	$ 5,910
E	F350 4x4 Maintenance Body	$45,411	5	4.0%	$ 908	$ 10,899	$ 10,172	$ 9,809	$ 9,445	$ 9,082
E	F350 4x4 Crew Cab Pickup 10,000 GVW		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
E	F250 4x4 Ext Cab Pickup 8,800 GVW		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
X	Park Signage Phase I		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
X	Exterior Painting-Loring Arena End Walls	$65,433	5	4.0%	$ 1,309	$ 15,704	$ 14,657	$ 14,134	$ 13,610	$ 13,087
E	Emergency Generator Upgrade - Phase 1	$53,560	10	4.0%	$ 1,071	$ 7,498	$ 7,070	$ 6,856	$ 6,641	$ 6,427
X	Saxonville Levee Pump Station Improvements - Design		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
E	Replacement Sidewalk Tractor w/Snowplow # 463		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
E	Acquisition Front End Loader 3CY w/Snowplow # 453		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
E	The replacement of a 2001 Brush Chipper # 481		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
E	Acquisition Heavy Duty 4WD Pickup Truck w/Snowplow # 44		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
E	Acquisition 4WD HD Cab & Chassis w/Pickup Body & Snowplow #404		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
X	Sidewalk/Accessibility Improvements 2013	$150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
E	Replacement 15,000 GVW 4WD Cab & Chassis w/Dump Body & Snowplow # 416	$66,672	5	4.0%	$ 1,333	$ 16,001	$ 14,935	$ 14,401	$ 13,868	$ 13,334
E	Acquisition 40,000 GVW Cab & Chassis w/Dump Body, Snowplow, Sander & Underbody Scraper # 438		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
E	Replacement Sidewalk Tractor w/Snowplow # 464		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
E	Replacement 4WD Cab & Chassis w/Platform Body, Lift Gate & Snoplow # 409	$66,305	10	4.0%	$ 1,326	$ 9,283	$ 8,752	$ 8,487	$ 8,222	$ 7,957

FY13-18 Capital Budget Debt Service Projection 2013 Project Recommendations

Updated: 1/30/2012 9:52 AM

		Amount	Terms		FY13 Projected Debt Service 0	FY14 Projected Debt Service 1	FY15 Projected Debt Service 2	FY16 Projected Debt Service 3	FY17 Projected Debt Service 4	FY18 Projected Debt Service 5
E	Acquisition 4WD HD Cab & Chassis w/Pickup Body & Snowplow # 407		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
X	Roadway Improvements 2013	$2,500,000	20	4.0%	$ 50,000	$ 225,000	$ 215,000	$ 210,000	$ 205,000	$ 200,000
E	Acquisition 40,000 GVW Cab & Chassis w/Dump Body, Snowplow, Sander & Underbody Scraper # 442	$225,697	10	4.0%	$ 4,514	$ 31,598	$ 29,792	$ 28,889	$ 27,986	$ 27,084
E	Replacement 2004 72,000 GVW Cab & Chassis w/31 CY Refuse Packer & Snowplow # 511	$259,500	10	4.0%	$ 5,190	$ 36,330	$ 34,254	$ 33,216	$ 32,178	$ 31,140
E	Acquisition 3.5 CY Front End Loader w/Snowplow # 521	$205,527	10	4.0%	$ 4,111	$ 28,774	$ 27,130	$ 26,307	$ 25,485	$ 24,663
E	Acquisition 68,000 GVW Cab & Chassis w/Rolloff Frame #519		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
Z	DDC Energy Conservation Program - Phased Project (6)	$300,000	5	4.0%	$ 6,000	$ 72,000	$ 67,200	$ 64,800	$ 62,400	$ 60,000
G	ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (1)	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
G	Paving Replacement/Storm Water All Schools - Phased Project		20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
Z	Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple Systems (1)	$150,000	15	4.0%	$ 3,000	$ 16,000	$ 15,200	$ 14,800	$ 14,400	$ 14,000
Z	Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (2)	$300,000	10	4.0%	$ 6,000	$ 42,000	$ 39,600	$ 38,400	$ 37,200	$ 36,000
Z	Replace Deteriorated Floor Tile Main Areas and Corridors-Multiple Schools-Phased Project (1)		20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
G	Food Service Equipment Replacement - Phased Project (1)		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
G	Stage Curtains Multiple Schools- Phased Project (1)		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
Z	Study for Building Construction at Fuller/Farley	$200,000	5	4.0%	$ 4,000	$ 48,000	$ 44,800	$ 43,200	$ 41,600	$ 40,000
G	Vehicle Replacement - Dump Truck With Plow		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
G	Furnish New and Replace Outdated Furniture – Phased Project		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
G	Technology Upgrades Throughout District - Phased Project (2)	$136,313	5	4.0%	$ 2,726	$ 32,715	$ 30,534	$ 29,444	$ 28,353	$ 27,263
G	Vehicle Replacement - Box Truck		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
G	Grounds Equipment Upgrades		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
X	Cisco UCM Upgrade	$34,836	5	4.0%	$ 697	$ 8,361	$ 7,803	$ 7,525	$ 7,246	$ 6,967
X	Virtual Environment Replacement	$69,895	5	4.0%	$ 1,398	$ 16,775	$ 15,656	$ 15,097	$ 14,538	$ 13,979
X	Archived Document Scanning - 1st phase	$27,637	5	4.0%	$ 553	$ 6,633	$ 6,191	$ 5,970	$ 5,748	$ 5,527
F	Acquisition 40,000 GVW Cab & Chasis w/Dump Body & Snowplow # 732		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
F	Acquisition 15,000 GVW 4WD Utility Body Truck w/Snowplow # 721		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
F	Acquisition 4WD HD Cab & Chassis w/Pickup Body & Snowplow # 725		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
F	Hancock Lane Pump Station Elimination Project Design &	$805,500	20	4.0%	$ 16,110	$ 72,495	$ 69,273	$ 67,662	$ 66,051	$ 64,440
F	East Framingham Sewer Improvements Project & Central Street Siphon/Sudbury River	$2,400,000	20	4.0%	$ 48,000	$ 216,000	$ 206,400	$ 201,600	$ 196,800	$ 192,000

FY13-18 Capital Budget Debt Service Projection 2013 Project Recommendations

Updated: 1/30/2012 9:52 AM

		Amount	Terms		FY13 Projected Debt Service 0	FY14 Projected Debt Service 1	FY15 Projected Debt Service 2	FY16 Projected Debt Service 3	FY17 Projected Debt Service 4	FY18 Projected Debt Service 5
F	Wastewater Back-Up Systems Upgrades	$550,000	20	4.0%	$ 11,000	$ 49,500	$ 47,300	$ 46,200	$ 45,100	$ 44,000
F	Sewer Main Replacement Various Locations 2013		20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
F	Acquisition 11,000 GVW 4WD Utility Body Truck w/Snowplow # 704		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
F	Irving, Herbert, Loring, Sewer Construction Project Construction	$2,475,000	20	4.0%	$ 49,500	$ 222,750	$ 212,850	$ 207,900	$ 202,950	$ 198,000
F	Speen Street Service Connections	$650,000	20	4.0%	$ 13,000	$ 58,500	$ 55,900	$ 54,600	$ 53,300	$ 52,000
F	Hemenway Gravity Sewer and Hop Brook / Railroad Sewer Crossing Project Construction	$0	20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
F	Speen Street Interceptor Sewer Replacement Project Design and Construction	$1,178,000	20	4.0%	$ 23,560	$ 106,020	$ 101,308	$ 98,952	$ 96,596	$ 94,240
W	Acquisition 15,000 GVW 4WD Utility Body Truck w/Automatic Gate Turner # 608		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
W	Beebe Water Storage Tanks Upgrade Construction Project	$3,214,000	20	4.0%	$ 64,280	$ 289,260	$ 276,404	$ 269,976	$ 263,548	$ 257,120
W	Acquisition 11,000 GVW 4WD Utility Body Truck w/Snowplow # 615		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
W	Irving, Loring and Herbert Street Intersection Water Improvements - Construction	$1,795,000	20	4.0%	$ 35,900	$ 161,550	$ 154,370	$ 150,780	$ 147,190	$ 143,600
W	Water Hydrant and Gate Valve Replacements 2013		20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
W	Water Main Replacement Various Locations 2013		20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
	Total Debt By Project	$19,382,255			$ 387,645	$1,975,629	$1,879,600	$1,831,588	$1,783,571	$1,735,559

		FY13 Projected Debt Service	FY14 Projected Debt Service	FY15 Projected Debt Service	FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service
Total Depart Equipment	E	$ 29,453	$ 199,050	$ 187,838	$ 182,232	$ 176,625	$ 171,020
Total School Buildings	Z	$ 19,000	$ 178,000	$ 166,800	$ 161,200	$ 155,600	$ 150,000
Total School - All other	G	$ 8,726	$ 59,715	$ 56,334	$ 54,644	$ 52,953	$ 51,263
Sewer	F	$ 161,170	$ 725,265	$ 693,031	$ 676,914	$ 660,797	$ 644,680
Water	W	$ 100,180	$ 450,810	$ 430,774	$ 420,756	$ 410,738	$ 400,720
Other inside Buildings	Y	$ 9,699	$ 52,638	$ 49,979	$ 48,649	$ 47,320	$ 45,990
Other	X	$ 59,417	$ 310,151	$ 294,844	$ 287,193	$ 279,538	$ 271,886
Total Debt by Type/Category		$ 387,645	$1,975,629	$1,879,600	$1,831,588	$1,783,571	$1,735,559
General Fund		$ 126,295	$ 799,554	$ 755,795	$ 733,918	$ 712,036	$ 690,159
Water		$ 100,180	$ 450,810	$ 430,774	$ 420,756	$ 410,738	$ 400,720
Sewer		$ 161,170	$ 725,265	$ 693,031	$ 676,914	$ 660,797	$ 644,680
Excluded		$ -	$ -	$ -	$ -	$ -	$ -
Total Debt All Funds		$ 387,645	$1,975,629	$1,879,600	$1,831,588	$1,783,571	$1,735,559

FY13-18 Capital Budget Debt Service Projection 2013 Project Recommendations

Updated: 1/23/2012 1:02 PM

		Amount	Terms		FY13 Projected Debt Service 0	FY14 Projected Debt Service 1	FY15 Projected Debt Service 2	FY16 Projected Debt Service 3	FY17 Projected Debt Service 4	FY18 Projected Debt Service 5
F	Wastewater Back-Up Systems Upgrades	$550,000	20	4.0%	$ 11,000	$ 49,500	$ 47,300	$ 46,200	$ 45,100	$ 44,000
F	Sewer Main Replacement Various Locations 2013		20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
F	Acquisition 11,000 GVW 4WD Utility Body Truck w/Snowplow # 704		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
F	Irving, Herbert, Loring, Sewer Construction Project Construction	$2,475,000	20	4.0%	$ 49,500	$ 222,750	$ 212,850	$ 207,900	$ 202,950	$ 198,000
F	Speen Street Service Connections	$650,000	20	4.0%	$ 13,000	$ 58,500	$ 55,900	$ 54,600	$ 53,300	$ 52,000
F	Hemenway Gravity Sewer and Hop Brook / Railroad Sewer Crossing Project Construction	$0	20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
F	Speen Street Interceptor Sewer Replacement Project Design and Construction	$1,178,000	20	4.0%	$ 23,560	$ 106,020	$ 101,308	$ 98,952	$ 96,596	$ 94,240
W	Acquisition 15,000 GVW 4WD Utility Body Truck w/Automatic Gate Turner # 608		10	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
W	Beebe Water Storage Tanks Upgrade Construction Project	$3,214,000	20	4.0%	$ 64,280	$ 289,260	$ 276,404	$ 269,976	$ 263,548	$ 257,120
W	Acquisition 11,000 GVW 4WD Utility Body Truck w/Snowplow # 615		5	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
W	Irving, Loring and Herbert Street Intersection Water Improvements - Construction	$1,795,000	20	4.0%	$ 35,900	$ 161,550	$ 154,370	$ 150,780	$ 147,190	$ 143,600
W	Water Hydrant and Gate Valve Replacements 2013		20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
W	Water Main Replacement Various Locations 2013		20	4.0%	$ -	$ -	$ -	$ -	$ -	$ -
	Total Debt By Project	$19,088,804			$ 381,776	$1,905,201	$1,813,867	$1,768,202	$1,722,534	$1,676,869

		FY13 Projected Debt Service	FY14 Projected Debt Service	FY15 Projected Debt Service	FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service
Total Depart Equipment	E	$ 29,453	$ 199,050	$ 187,838	$ 182,232	$ 176,625	$ 171,020
Total School Buildings	Z	$ 19,000	$ 178,000	$ 166,800	$ 161,200	$ 155,600	$ 150,000
Total School - All other	G	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
Sewer	F	$ 161,170	$ 725,265	$ 693,031	$ 676,914	$ 660,797	$ 644,680
Water	W	$ 100,180	$ 450,810	$ 430,774	$ 420,756	$ 410,738	$ 400,720
Other inside Buildings	Y	$ 8,500	$ 38,250	$ 36,550	$ 35,700	$ 34,850	$ 34,000
Other	X	$ 57,473	$ 286,826	$ 273,074	$ 266,200	$ 259,324	$ 252,449
Total Debt by Type/Category		$ 381,776	$1,905,201	$1,813,867	$1,768,202	$1,722,534	$1,676,869
General Fund		$ 120,426	$ 729,126	$ 690,062	$ 670,532	$ 650,999	$ 631,469
Water		$ 100,180	$ 450,810	$ 430,774	$ 420,756	$ 410,738	$ 400,720
Sewer		$ 161,170	$ 725,265	$ 693,031	$ 676,914	$ 660,797	$ 644,680
Excluded		$ -	$ -	$ -	$ -	$ -	$ -
Total Debt All Funds		$ 381,776	$1,905,201	$1,813,867	$1,768,202	$1,722,534	$1,676,869

FY13-18 Capital Budget Debt Service Projection FY2014 Project List

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			Term		FY14 Projected Debt Service	FY15 Projected Debt Service	FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service
					0	1	2	3	4	5
Y	Branch Library Replacement Grant Funds	$4,200,000			$ -	$ -	$ -	$ -	$ -	$ -
Y	Branch Library Replacement Donation	$600,000			$ -	$ -	$ -	$ -	$ -	$ -
Y	Branch Library Replacement Donation	$3,800,000	20	4.0%	$ -	$ 76,000	$ 342,000	$ 326,800	$ 319,200	$ 311,600
X	Library Pearl St. Handicapped Ramp	$425,000	20	4.0%	$ 8,500	$ 38,250	$ 36,550	$ 35,700	$ 34,850	$ 34,000
Y	Replace Station 2	$5,000,000	20	4.0%	$ 100,000	$ 450,000	$ 430,000	$ 420,000	$ 410,000	$ 400,000
E	Replace Engine 7	$565,000	10	4.0%	$ 11,300	$ 79,100	$ 74,580	$ 72,320	$ 70,060	$ 67,800
X	Upgrade Fire Alarm/Signal Cable Concord Street South	$193,000	10	4.0%	$ 3,860	$ 27,020	$ 25,476	$ 24,704	$ 23,932	$ 23,160
E	Replace Signal Division Pick Up	$65,000	5	4.0%	$ 1,300	$ 15,600	$ 14,560	$ 14,040	$ 13,520	$ 13,000
Y	Winch Restrooms	$90,792	20	4.0%	$ 1,816	$ 8,171	$ 7,808	$ 7,627	$ 7,445	$ 7,263
E	F250 4x4 Extended Cab Pickup Truck 8,800 GVW	$32,393	5	4.0%	$ 648	$ 7,774	$ 7,256	$ 6,997	$ 6,738	$ 6,479
E	F350 4x4 Crew Cab Pickup 10,000 GVW	$33,789	5	4.0%	$ 676	$ 8,109	$ 7,569	$ 7,298	$ 7,028	$ 6,758
E	John Deere Tractor Model 5425	$45,112	10	4.0%	$ 902	$ 6,316	$ 5,955	$ 5,774	$ 5,594	$ 5,413
X	Portable, Handicapped Accessible Restroom	$48,950	10	4.0%	$ 979	$ 6,853	$ 6,461	$ 6,266	$ 6,070	$ 5,874
X	Cushing Phase 6 Feasibility Study	$50,000	5	4.0%	$ 1,000	$ 12,000	$ 11,200	$ 10,800	$ 10,400	$ 10,000
E	Loring Arena compressors and control panel	$98,160	5	4.0%	$ 1,963	$ 23,558	$ 21,988	$ 21,203	$ 20,417	$ 19,632
X	Park Signage Phase II	$31,458	5	4.0%	$ 629	$ 7,550	$ 7,047	$ 6,795	$ 6,543	$ 6,292
X	Bowditch Track Reconditioning	$170,000	5	4.0%	$ 3,400	$ 40,800	$ 38,080	$ 36,720	$ 35,360	$ 34,000
X	Play. Equip \ Hand. Access., Phase 3-Oakvale Park	$77,050	10	4.0%	$ 1,541	$ 10,787	$ 10,171	$ 9,862	$ 9,554	$ 9,246
E	Loring Arena Accessibility Improvements-Wheelchair Lift	$32,917	10	4.0%	$ 658	$ 4,608	$ 4,345	$ 4,213	$ 4,082	$ 3,950
X	Butterworth Park Phase 2- Parking Improvements	$71,918	20	4.0%	$ 1,438	$ 6,473	$ 6,185	$ 6,041	$ 5,897	$ 5,753
E	Portable Stage	$166,633	10	4.0%	$ 3,333	$ 23,329	$ 21,996	$ 21,329	$ 20,662	$ 19,996
X	Tennis and Basketball Court Resurfacing Phase 1 - Winch	$381,482	10	4.0%	$ 7,630	$ 53,407	$ 50,356	$ 48,830	$ 47,304	$ 45,778
X	Walsh Synthetic Field and Lighting Renovations	$2,478,662	10	4.0%	$ 49,573	$ 347,013	$ 327,183	$ 317,269	$ 307,354	$ 297,439
X	Lower Longs Soccer renovation & Irrigation	$385,382	10	4.0%	$ 7,708	$ 53,953	$ 50,870	$ 49,329	$ 47,787	$ 46,246
X	Edwards Cemetery Roadway Reconstruction	$126,975	20	4.0%	$ 2,540	$ 11,428	$ 10,920	$ 10,666	$ 10,412	$ 10,158
E	EMERGENCY GENERATOR PHASE 2	$115,000	10	4.0%	$ 2,300	$ 16,100	$ 15,180	$ 14,720	$ 14,260	$ 13,800
X	Fountain Street Drain & Outfall Improvements	$350,000	20	4.0%	$ 7,000	$ 31,500	$ 30,100	$ 29,400	$ 28,700	$ 28,000
X	Johnson Street Outfall Repairs	$145,000	20	4.0%	$ 2,900	$ 13,050	$ 12,470	$ 12,180	$ 11,890	$ 11,600
X	Irving Street Vegetated Drain Swale	$25,000	20	4.0%	$ 500	$ 2,250	$ 2,150	$ 2,100	$ 2,050	$ 2,000
X	Stormwater Management Plan Phase IV	$250,000	5	4.0%	$ 5,000	$ 60,000	$ 56,000	$ 54,000	$ 52,000	$ 50,000
X	Beaver Dam Brook/High Risk Structures Phase 2	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
X	School Street Bridge Construction	$500,000	20	4.0%	$ 10,000	$ 45,000	$ 43,000	$ 42,000	$ 41,000	$ 40,000
E	# 301	$118,709	10	4.0%	$ 2,374	$ 16,619	$ 15,670	$ 15,195	$ 14,720	$ 14,245
X	Roadway Improvements 2014	$5,200,000	20	4.0%	$ 104,000	$ 468,000	$ 447,200	$ 436,800	$ 426,400	$ 416,000
E	Replacement of Vehicle # 445	$259,567	10	4.0%	$ 5,191	$ 36,339	$ 34,263	$ 33,225	$ 32,186	$ 31,148
E	Replacement of Vehicle #418	$106,195	10	4.0%	$ 2,124	$ 14,867	$ 14,018	$ 13,593	$ 13,168	$ 12,743
X	Sidewalk/Accessibility Improvements 2014	$150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
E	Replacement of Equipment #499	$450,162	10	4.0%	$ 9,003	$ 63,023	$ 59,421	$ 57,621	$ 55,820	$ 54,019

FY13-18 Capital Budget Debt Service Projection FY2014 Project List

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			Term		FY14 Projected Debt Service	FY15 Projected Debt Service	FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service
					0	1	2	3	4	5
E	Replacement of # 439	$234,166	10	4.0%	$ 4,683	$ 32,783	$ 30,910	$ 29,973	$ 29,037	$ 28,100
E	Replacement of Vehicle # 462	$157,248	10	4.0%	$ 3,145	$ 22,015	$ 20,757	$ 20,128	$ 19,499	$ 18,870
E	Replacement of Equipment #484	$48,672	5	4.0%	$ 973	$ 11,681	$ 10,903	$ 10,513	$ 10,124	$ 9,734
E	Replacement of Vehicle #451	$213,748	10	4.0%	$ 4,275	$ 29,925	$ 28,215	$ 27,360	$ 26,505	$ 25,650
E	Replacement of Vehicle # 441	$196,434	10	4.0%	$ 3,929	$ 27,501	$ 25,929	$ 25,144	$ 24,358	$ 23,572
E	#460	$157,248	10	4.0%	$ 3,145	$ 22,015	$ 20,757	$ 20,128	$ 19,499	$ 18,870
E	Replacement of Vehicle #498	$49,263	5	4.0%	$ 985	$ 11,823	$ 11,035	$ 10,641	$ 10,247	$ 9,853
E	Replacement of Vehicle # 452	$213,748	10	4.0%	$ 4,275	$ 29,925	$ 28,215	$ 27,360	$ 26,505	$ 25,650
E	Replacement of Equipment # 401	$47,189	5	4.0%	$ 944	$ 11,325	$ 10,570	$ 10,193	$ 9,815	$ 9,438
E	Replacement of Vehicle # 450	$141,171	10	4.0%	$ 2,823	$ 19,764	$ 18,635	$ 18,070	$ 17,505	$ 16,941
E	Replacement of Vehicle #446	$259,567	10	4.0%	$ 5,191	$ 36,339	$ 34,263	$ 33,225	$ 32,186	$ 31,148
E	Replacement of #486	$37,856	5	4.0%	$ 757	$ 9,085	$ 8,480	$ 8,177	$ 7,874	$ 7,571
E	Replacement of Vehicle #514	$269,880	10	4.0%	$ 5,398	$ 37,783	$ 35,624	$ 34,545	$ 33,465	$ 32,386
E	Automated Solid Waste Program	$850,000	5	4.0%	$ 17,000	$ 204,000	$ 190,400	$ 183,600	$ 176,800	$ 170,000
E	Replacement of Vehicle #505	$68,957	5	4.0%	$ 1,379	$ 16,550	$ 15,446	$ 14,895	$ 14,343	$ 13,791
E	Replacement of Vehicle #512	$269,880	10	4.0%	$ 5,398	$ 37,783	$ 35,624	$ 34,545	$ 33,465	$ 32,386
E	Replacement of Vehicle #52	$47,189	5	4.0%	$ 944	$ 11,325	$ 10,570	$ 10,193	$ 9,815	$ 9,438
Z	Fuller Middle School Roof Replacement	$4,000,000	20	4.0%	$ 80,000	$ 360,000	$ 344,000	$ 336,000	$ 328,000	$ 320,000
G	ADA Upgrades to Curbs, Sidewalks & Handicap Ramps-	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
G	Vehicle Replacement - Stake Truck	$50,000	5	4.0%	$ 1,000	$ 12,000	$ 11,200	$ 10,800	$ 10,400	$ 10,000
G	Technology Upgrades Throughout District - Phase Project (3)	$500,000	5	4.0%	$ 10,000	$ 120,000	$ 112,000	$ 108,000	$ 104,000	$ 100,000
G	Paving Replacement/Storm ater All Schools - Phased Project	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
Z	Replace Rooftop AHU's and Ventilation Equipment - Multiple	$200,000	10	4.0%	$ 4,000	$ 28,000	$ 26,400	$ 25,600	$ 24,800	$ 24,000
Z	DDC Energy Conservation Program - Phased Project (7)	$200,000	10	4.0%	$ 4,000	$ 28,000	$ 26,400	$ 25,600	$ 24,800	$ 24,000
Z	Replace Deteriorated Floor Tile in Main Areas and Corridors-	$200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000
Z	Furnish New and Replace Outdated Furniture - Phase (2)	$300,000	10	4.0%	$ 6,000	$ 42,000	$ 39,600	$ 38,400	$ 37,200	$ 36,000
Z	Stage Curtains Multiple Schools - Phased Project (2)	$30,000	5	4.0%	$ 600	$ 7,200	$ 6,720	$ 6,480	$ 6,240	$ 6,000
G	Food Service Equipment Replacement - Phased Project (2)	$56,000	5	4.0%	$ 1,120	$ 13,440	$ 12,544	$ 12,096	$ 11,648	$ 11,200
Z	Mechanical, Electrical, Plumbing Upgrades - All Schools -	$150,000	10	4.0%	$ 3,000	$ 21,000	$ 19,800	$ 19,200	$ 18,600	$ 18,000
E	Network Data Storage and Connectivity	$66,603	5	4.0%	$ 1,332	$ 15,985	$ 14,919	$ 14,386	$ 13,853	$ 13,321
E	Public Safety Server Replacement	$80,645	5	4.0%	$ 1,613	$ 19,355	$ 18,064	$ 17,419	$ 16,774	$ 16,129
F	Sewer Main Replacement Various Locations 2014	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
F	Replacement of Vehicle # 740	$272,301	10	4.0%	$ 5,446	$ 38,122	$ 35,944	$ 34,855	$ 33,765	$ 32,676
F	Replacement of Vehicle #76	$58,398	5	4.0%	$ 1,168	$ 14,016	$ 13,081	$ 12,614	$ 12,147	$ 11,680
F	Worcester Road Pumping Station Elimination Project -	$15,000,000	20	4.0%	$ 300,000	$ 1,350,000	$ 1,290,000	$ 1,260,000	$ 1,230,000	$ 1,200,000
F	Central Street Sewer Improvements - Design	$250,000	5	4.0%	$ 5,000	$ 60,000	$ 56,000	$ 54,000	$ 52,000	$ 50,000
F	Comprehensive Wastewater Management Plan Update	$500,000	5	4.0%	$ 10,000	$ 120,000	$ 112,000	$ 108,000	$ 104,000	$ 100,000
F	Gates St/Oak Crest/Salem End Rd Pump Station Project -	$2,000,000	20	4.0%	$ 40,000	$ 180,000	$ 172,000	$ 168,000	$ 164,000	$ 160,000

FY13-18 Capital Budget Debt Service Projection

FY2014 Project List

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			Term		FY14 Projected Debt Service	FY15 Projected Debt Service	FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service
					0	1	2	3	4	5
W	Water Main Replacement Various Locations 2014	$200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000
W	Barbieri Road Water Main - Construction	$1,012,500	20	4.0%	$ 20,250	$ 91,125	$ 87,075	$ 85,050	$ 83,025	$ 81,000
W	Replacement of Vehicle #607	$62,233	5	4.0%	$ 1,245	$ 14,936	$ 13,940	$ 13,442	$ 12,944	$ 12,447
W	Replacement of Equipment #696	$47,449	5	4.0%	$ 949	$ 11,388	$ 10,629	$ 10,249	$ 9,869	$ 9,490
W	Route 9 / Central Street Water Design	$242,000	5	4.0%	$ 4,840	$ 58,080	$ 54,208	$ 52,272	$ 50,336	$ 48,400
W	Salem End Road Water Design	$650,000	5	4.0%	$ 13,000	$ 156,000	$ 145,600	$ 140,400	$ 135,200	$ 130,000
W	Water Master Plan Update	$750,000	5	4.0%	$ 15,000	$ 180,000	$ 168,000	$ 162,000	$ 156,000	$ 150,000
W	Replacement of Vehicle # 618	$58,398	5	4.0%	$ 1,168	$ 14,016	$ 13,081	$ 12,614	$ 12,147	$ 11,680
W	Replace Vehicle #624	$58,398	5	4.0%	$ 1,168	$ 14,016	$ 13,081	$ 12,614	$ 12,147	$ 11,680
W	Water Hydrant and Gate Valve Replacements 2014	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
W	Learned Street Water Main Replacement	$166,500	20	4.0%	$ 3,330	$ 14,985	$ 14,319	$ 13,986	$ 13,653	$ 13,320
W	Myrtle Street Water Main Replacement	$187,500	20	4.0%	$ 3,750	$ 16,875	$ 16,125	$ 15,750	$ 15,375	$ 15,000
W	Evergreen Street Water Main Replacement	$270,600	20	4.0%	$ 5,412	$ 24,354	$ 23,272	$ 22,730	$ 22,189	$ 21,648
W	Union Avenue Water Main Replacement - Construction	$4,299,750	20	4.0%	$ 85,995	$ 386,978	$ 369,779	$ 361,179	$ 352,580	$ 343,980
W	Central Street Water Main Design	$385,000	5	4.0%	$ 7,700	$ 92,400	$ 86,240	$ 83,160	$ 80,080	$ 77,000
W	Replacement of Vehicle #650	$146,817	10	4.0%	$ 2,936	$ 20,554	$ 19,380	$ 18,793	$ 18,205	$ 17,618
		$64,052,614			$ 1,109,052	$ 6,365,794	$ 6,306,062	$ 6,127,996	$ 5,957,522	$ 5,787,059

		FY14 Projected Debt Service	FY15 Projected Debt Service	FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service
Total Depart Equipment	E	$ 109,961	$ 922,304	$ 866,117	$ 838,023	$ 809,924	$ 781,831
Total School Buildings	Z	$ 101,600	$ 504,200	$ 480,120	$ 468,080	$ 456,040	$ 444,000
Total School - All other	G	$ 24,120	$ 199,440	$ 187,344	$ 181,296	$ 175,248	$ 169,200
Sewer	F	$ 367,614	$ 1,789,138	$ 1,704,825	$ 1,662,669	$ 1,620,512	$ 1,578,356
Water	W	$ 176,743	$ 1,140,707	$ 1,077,729	$ 1,046,239	$ 1,014,750	$ 983,263
Betterment	B	$ -	$ -	$ -	$ -	$ -	$ -
Solid Waste		$ -	$ -	$ -	$ -	$ -	$ -
Other inside Buildings	Y	$ 101,816	$ 534,171	$ 779,808	$ 754,427	$ 736,645	$ 718,863
Other	X	$ 227,198	$ 1,275,834	$ 1,210,119	$ 1,177,262	$ 1,144,403	$ 1,111,546
Highschool Debt Exclusion	D	$ -	$ -	$ -	$ -	$ -	$ -
Total All Project Types		$ 1,109,052	$ 6,365,794	$ 6,306,062	$ 6,127,996	$ 5,957,522	$ 5,787,059
General Fund		$ 564,695	$ 3,435,949	$ 3,523,508	$ 3,419,088	$ 3,322,260	$ 3,225,440
Water		$ 176,743	$ 1,140,707	$ 1,077,729	$ 1,046,239	$ 1,014,750	$ 983,263
Sewer		$ 367,614	$ 1,789,138	$ 1,704,825	$ 1,662,669	$ 1,620,512	$ 1,578,356
Excluded		$ -	$ -	$ -	$ -	$ -	$ -
Total All Fund Types		$ 1,109,052	$ 6,365,794	$ 6,306,062	$ 6,127,996	$ 5,957,522	$ 5,787,059

FY13-18 Capital Budget Debt Service Projection

FY2015 Project List

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			Term		FY15 Projected Debt Service 0	FY16 Projected Debt Service 1	FY17 Projected Debt Service 2	FY18 Projected Debt Service 3	FY19 Projected Debt Service 4	FY20 Projected Debt Service 5
Y	McAuliffe Branch Library Phase II HVAC and Interior Renovations	$422,000	10	4.0%	$ 8,440	$ 59,080	$ 55,704	$ 54,016	$ 52,328	$ 50,640
Y	Library Reference and Young Adult Department Renovation	$100,000	20	4.0%	$ 2,000	$ 9,000	$ 8,600	$ 8,400	$ 8,200	$ 8,000
E	Replace Platform 1	$1,000,000	10	4.0%	$ 20,000	$ 140,000	$ 132,000	$ 128,000	$ 124,000	$ 120,000
E	Technology Upgrades	$200,000	5	4.0%	$ 4,000	$ 48,000	$ 44,800	$ 43,200	$ 41,600	$ 40,000
E	Replace Facilities Mobile Repair Apparatus	$76,000	5	4.0%	$ 1,520	$ 18,240	$ 17,024	$ 16,416	$ 15,808	$ 15,200
Y	Loring Arena End Wall Reconstruction	$600,000	20	4.0%	$ 12,000	$ 54,000	$ 51,600	$ 50,400	$ 49,200	$ 48,000
X	Merchant Road Soccer Field Restrooms and Storage	$87,550	20	4.0%	$ 1,751	$ 7,880	$ 7,529	$ 7,354	$ 7,179	$ 7,004
Y	Miscellaneous Building Roof replacement Phase 1	$39,032	20	4.0%	$ 781	$ 3,513	$ 3,357	$ 3,279	$ 3,201	$ 3,123
X	Beach Landscape & Design Improvements Phase 1- Waushakum	$72,000	5	4.0%	$ 1,440	$ 17,280	$ 16,128	$ 15,552	$ 14,976	$ 14,400
X	Park Property Video Surveillance Phase 1- Arlington St., Mary Dennison	$47,408	5	4.0%	$ 948	$ 11,378	$ 10,619	$ 10,240	$ 9,861	$ 9,482
X	Longs/Loring Parking Reconstruction	$672,003	20	4.0%	$ 13,440	$ 60,480	$ 57,792	$ 56,448	$ 55,104	$ 53,760
X	(Open Space Acquisition) Expansion of Cushing Memorial Park	$2,500,000	20	4.0%	$ 50,000	$ 225,000	$ 215,000	$ 210,000	$ 205,000	$ 200,000
X	Playground Fiber Mulch Safety Surfacing Replacement Phase 2	$45,398	5	4.0%	$ 908	$ 10,896	$ 10,169	$ 9,806	$ 9,443	$ 9,080
X	Relamping Baseball Fields	$59,400	10	4.0%	$ 1,188	$ 8,316	$ 7,841	$ 7,603	$ 7,366	$ 7,128
X	Park & School Fence Replacement Phase IV	$401,680	10	4.0%	$ 8,034	$ 56,235	$ 53,022	$ 51,415	$ 49,808	$ 48,202
X	Softball Field Lighting-Mass Bay/Farley Field	$127,500	10	4.0%	$ 2,550	$ 17,850	$ 16,830	$ 16,320	$ 15,810	$ 15,300
E	F350 4x4 Dual Cab Dump Truck 10,000 GVW	$36,714	5	4.0%	$ 734	$ 8,811	$ 8,224	$ 7,930	$ 7,637	$ 7,343
E	F350 4x4 Standard Cab Pickup 10,000 GVW	$30,748	5	4.0%	$ 615	$ 7,380	$ 6,888	$ 6,642	$ 6,396	$ 6,150
E	Loring Arena Zamboni	$111,115	10	4.0%	$ 2,222	$ 15,556	$ 14,667	$ 14,223	$ 13,778	$ 13,334
E	F550 4x4 Grain Body for leaf and woodchip collection	$102,127	5	4.0%	$ 2,043	$ 24,510	$ 22,876	$ 22,059	$ 21,242	$ 20,425
X	Salem End Road Bridge Repair - Design	$150,000	5	4.0%	$ 3,000	$ 36,000	$ 33,600	$ 32,400	$ 31,200	$ 30,000
X	Miscellaneous Drainage High Risk Structures - Phase 1	$400,000	5	4.0%	$ 8,000	$ 96,000	$ 89,600	$ 86,400	$ 83,200	$ 80,000
X	Waverly Street Drainage Upgrade	$325,000	10	4.0%	$ 6,500	$ 45,500	$ 42,900	$ 41,600	$ 40,300	$ 39,000
X	Clean, TV Inspection for High Sediment Lines	$75,000	10	4.0%	$ 1,500	$ 10,500	$ 9,900	$ 9,600	$ 9,300	$ 9,000
X	Guild Road Drainage Improvements	$375,000	10	4.0%	$ 7,500	$ 52,500	$ 49,500	$ 48,000	$ 46,500	$ 45,000
E	Replacement of Vehicle #41	$60,734	5	4.0%	$ 1,215	$ 14,576	$ 13,604	$ 13,119	$ 12,633	$ 12,147
E	Replacement of Vehicle #46	$60,734	5	4.0%	$ 1,215	$ 14,576	$ 13,604	$ 13,119	$ 12,633	$ 12,147
E	Replacement of Vehicle #421	$244,114	10	4.0%	$ 4,882	$ 34,176	$ 32,223	$ 31,247	$ 30,270	$ 29,294
E	Replacement of Vehicle #411	$72,112	5	4.0%	$ 1,442	$ 17,307	$ 16,153	$ 15,576	$ 14,999	$ 14,422
X	Sidewalk/Accessibility Improvements 2015	$150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
X	Roadway Improvements 2015	$5,200,000	20	4.0%	$ 104,000	$ 468,000	$ 447,200	$ 436,800	$ 426,400	$ 416,000
E	Replacement of Vehicle #513	$283,374	10	4.0%	$ 5,667	$ 39,672	$ 37,405	$ 36,272	$ 35,138	$ 34,005
G	Replacement Vehicle - Pick Up Truck	$50,000	5	4.0%	$ 1,000	$ 12,000	$ 11,200	$ 10,800	$ 10,400	$ 10,000

FY13-18 Capital Budget Debt Service Projection

FY2015 Project List

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			Term		FY15 Projected Debt Service	FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service	FY20 Projected Debt Service
					0	1	2	3	4	5
G	Furnish New and Replace Outdated Furniture - Phase (3)	$300,000	10	4.0%	$ 6,000	$ 42,000	$ 39,600	$ 38,400	$ 37,200	$ 36,000
Z	Replace Deteriorated Floor Tile Main Areas and Corridors-Multiple Schools-Phased Project (3)	$200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000
G	Food Service Equipment Replacement - Phased Project (3)	$55,000	10	4.0%	$ 1,100	$ 7,700	$ 7,260	$ 7,040	$ 6,820	$ 6,600
G	Technology Upgrades Throughout District - Phase (4)	$500,000	5	4.0%	$ 10,000	$ 120,000	$ 112,000	$ 108,000	$ 104,000	$ 100,000
G	ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (3)	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
G	Paving Replacement/Storm Water All Schools - Phased Project (3)	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
Z	Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (4)	$200,000	10	4.0%	$ 4,000	$ 28,000	$ 26,400	$ 25,600	$ 24,800	$ 24,000
Z	Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple System Phased Project (3)	$150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
E	VDI Pilot	$46,202	5	4.0%	$ 924	$ 11,088	$ 10,349	$ 9,980	$ 9,610	$ 9,240
F	Sewer System Evaluation Study Phase 6	$500,000	5	2.0%	$ 5,000	$ 110,000	$ 106,000	$ 104,000	$ 102,000	$ 100,000
F	Sewer Main Replacement Various Locations 2015	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
F	Replacement of Vehicle #75	$60,708	5	4.0%	$ 1,214	$ 14,570	$ 13,599	$ 13,113	$ 12,627	$ 12,142
F	Central Street Sewer Improvements - Construction	$2,000,000	20	4.0%	$ 40,000	$ 180,000	$ 172,000	$ 168,000	$ 164,000	$ 160,000
F	Union Avenue Sewer Improvements - Construction	$6,750,000	20	4.0%	$ 135,000	$ 607,500	$ 580,500	$ 567,000	$ 553,500	$ 540,000
F	Technology Park Sewer: Baiting Brook Interceptor and Lower 9/90 Interceptor Upgrades - Construction	$4,000,000	20	4.0%	$ 80,000	$ 360,000	$ 344,000	$ 336,000	$ 328,000	$ 320,000
F	Replacement of Vehicle #726	$70,512	5	4.0%	$ 1,410	$ 16,923	$ 15,795	$ 15,231	$ 14,666	$ 14,102
F	Woodland Pump Station Replacement - Design	$400,000	5	4.0%	$ 8,000	$ 96,000	$ 89,600	$ 86,400	$ 83,200	$ 80,000
W	Replacement of Vehicle #625	$72,112	5	4.0%	$ 1,442	$ 17,307	$ 16,153	$ 15,576	$ 14,999	$ 14,422
W	Water Hydrant & Gate Valve Replacements 2015	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
W	Indian Head Water Tank Rehabilitation - Design	$165,000	5	4.0%	$ 3,300	$ 39,600	$ 36,960	$ 35,640	$ 34,320	$ 33,000
W	Edgell Water Pump Station Design	$405,000	5	4.0%	$ 8,100	$ 97,200	$ 90,720	$ 87,480	$ 84,240	$ 81,000
W	Warren Road and Prindiville Water Main	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
W	Route 9 / Central Street Water Construction	$3,619,700	20	4.0%	$ 72,394	$ 325,773	$ 311,294	$ 304,055	$ 296,815	$ 289,576
W	Temple Street Water Replacement - Design	$108,000	5	4.0%	$ 2,160	$ 25,920	$ 24,192	$ 23,328	$ 22,464	$ 21,600
W	Central Street Water Main Replacement - Constructi	$5,764,500	20	4.0%	$ 115,290	$ 518,805	$ 495,747	$ 484,218	$ 472,689	$ 461,160
W	Edmands Road Water Main Replacement - Construction	$1,700,000	20	4.0%	$ 34,000	$ 153,000	$ 146,200	$ 142,800	$ 139,400	$ 136,000
W	Salem End Road Water Main Construction	$6,646,500	20	4.0%	$ 132,930	$ 598,185	$ 571,599	$ 558,306	$ 545,013	$ 531,720
W	Water Main Replacements Various Locations 2015	$200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000
		$49,589,977			$ 986,799	$ 5,211,783	$4,956,727	$4,829,203	$4,701,673	$4,574,148

FY13-18 Capital Budget Debt Service Projection

FY2015 Project List

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	Term	FY15 Projected Debt Service	FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service	FY20 Projected Debt Service
		0	1	2	3	4	5
Total Depart Equipment	E	$ 46,479	$ 393,892	$ 369,817	$ 357,783	$ 345,744	$ 333,707
Total School Buildings	Z	$ 11,000	$ 59,500	$ 56,500	$ 55,000	$ 53,500	$ 52,000
Total School - All other	G	$ 30,100	$ 235,700	$ 221,660	$ 214,640	$ 207,620	$ 200,600
Sewer	F	$ 276,624	$ 1,411,993	$1,347,294	$1,314,944	$1,282,593	$1,250,244
Water	W	$ 385,616	$ 1,847,790	$1,761,665	$1,718,603	$1,675,540	$1,632,478
Betterment	B	$ -	$ -	$ -	$ -	$ -	$ -
Solid Waste		$ -	$ -	$ -	$ -	$ -	$ -
Other inside Buildings	Y	$ 23,221	$ 125,593	$ 119,261	$ 116,095	$ 112,929	$ 109,763
Other	X	$ 213,759	$ 1,137,315	$1,080,530	$1,052,138	$1,023,747	$ 995,356
Arena	A	$ -	$ -	$ -	$ -	$ -	$ -
Highschool Debt Exclusion	D	$ -	$ -	$ -	$ -	$ -	$ -
Total All Project Types		$ 986,799	$ 5,211,783	$4,956,727	$4,829,203	$4,701,673	$4,574,148
General Fund		$ 324,559	$ 1,952,000	$1,847,768	$1,795,656	$1,743,540	$1,691,426
Water		$ 385,616	$ 1,847,790	$1,761,665	$1,718,603	$1,675,540	$1,632,478
Sewer		$ 276,624	$ 1,411,993	$1,347,294	$1,314,944	$1,282,593	$1,250,244
Excluded		$ -	$ -	$ -	$ -	$ -	$ -
Total All Funds		$ 986,799	$ 5,211,783	$4,956,727	$4,829,203	$4,701,673	$4,574,148

FY13-18 Capital Budget Debt Service Projection

FY2016 Project List

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			Term		FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service	FY20 Projected Debt Service	FY21 Projected Debt Service
					0	1	2	3	4	5
Y	Main Library Interior Renovation	$200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000
X	Remove Underground Diesel Fuel Tank	$100,000	20	4.0%	$ 2,000	$ 9,000	$ 8,600	$ 8,400	$ 8,200	$ 8,000
E	Phase 1 - Protective Clothing Replacement	$80,000	5	4.0%	$ 1,600	$ 19,200	$ 17,920	$ 17,280	$ 16,640	$ 16,000
E	Replace Engine 5	$575,000	15	4.0%	$ 11,500	$ 61,333	$ 58,267	$ 56,733	$ 55,200	$ 53,667
E	Replace Fire Headquarters' Generator	$50,000	10	4.0%	$ 1,000	$ 7,000	$ 6,600	$ 6,400	$ 6,200	$ 6,000
X	Park and School Fence Replacement Phase V	$360,223	10	4.0%	$ 7,204	$ 50,431	$ 47,549	$ 46,109	$ 44,668	$ 43,227
X	Play. Equip \ Hand. Access., Phase 4-Winch Park	$77,050	10	4.0%	$ 1,541	$ 10,787	$ 10,171	$ 9,862	$ 9,554	$ 9,246
X	Butterworth Athletic Fields Renovation and Irrigation	$528,300	10	4.0%	$ 10,566	$ 73,962	$ 69,736	$ 67,622	$ 65,509	$ 63,396
X	Saxonville Beach Landscape and Design Improvements	$72,000	10	4.0%	$ 1,440	$ 10,080	$ 9,504	$ 9,216	$ 8,928	$ 8,640
X	Tennis and Basketball Court Resurfacing Phase 2 - Bowditch Tennis and Basketball	$284,442	10	4.0%	$ 5,689	$ 39,822	$ 37,546	$ 36,409	$ 35,271	$ 34,133
Y	Miscellaneous Building Roof Replacement Phase 2	$49,170	20	4.0%	$ 983	$ 4,425	$ 4,229	$ 4,130	$ 4,032	$ 3,934
E	F550 4x2 Trash Packer	$89,494	10	4.0%	$ 1,790	$ 12,529	$ 11,813	$ 11,455	$ 11,097	$ 10,739
E	Ford F650 J-Hook	$149,969	10	4.0%	$ 2,999	$ 20,996	$ 19,796	$ 19,196	$ 18,596	$ 17,996
E	Kubota Tractor L4740 GST 4x4	$37,511	5	4.0%	$ 750	$ 9,003	$ 8,402	$ 8,102	$ 7,802	$ 7,502
X	Cushing Memorial Park Phase 6	$600,000	20	4.0%	$ 12,000	$ 54,000	$ 51,600	$ 50,400	$ 49,200	$ 48,000
X	Bowditch Track Reconstruction & Synthetic Field	$2,599,830	20	4.0%	$ 51,997	$ 233,985	$ 223,585	$ 218,386	$ 213,186	$ 207,986
X	Park Signage Program Phase 3	$32,712	15	4.0%	$ 654	$ 3,489	$ 3,315	$ 3,228	$ 3,140	$ 3,053
Y	Loring Arena Energy Improvements	$81,250	20	4.0%	$ 1,625	$ 7,313	$ 6,988	$ 6,825	$ 6,663	$ 6,500
Y	Western Avenue Facility Modification	$4,000,000	20	4.0%	$ 80,000	$ 360,000	$ 344,000	$ 336,000	$ 328,000	$ 320,000
X	Saxonville Levee Pump Station Improvements - Construction	$750,000	20	4.0%	$ 15,000	$ 67,500	$ 64,500	$ 63,000	$ 61,500	$ 60,000
X	Stormwater Master Plan - Phase V	$250,000	5	4.0%	$ 5,000	$ 60,000	$ 56,000	$ 54,000	$ 52,000	$ 50,000
X	Salem End Road Bridge Repair - Construction	$750,000	20	4.0%	$ 15,000	$ 67,500	$ 64,500	$ 63,000	$ 61,500	$ 60,000
X	Tarralli Terrace Bridge Replacement Design & Permitting	$250,000	5	4.0%	$ 5,000	$ 60,000	$ 56,000	$ 54,000	$ 52,000	$ 50,000
X	Catch Basin Replacements	$400,000	20	4.0%	$ 8,000	$ 36,000	$ 34,400	$ 33,600	$ 32,800	$ 32,000
X	Sidewalk/Accessibility Improvements 2016	$150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
E	Replacement of Vehicle #40	$51,040	5	4.0%	$ 1,021	$ 12,250	$ 11,433	$ 11,025	$ 10,616	$ 10,208
E	Replacement of Vehicle #42	$51,040	5	4.0%	$ 1,021	$ 12,250	$ 11,433	$ 11,025	$ 10,616	$ 10,208
E	Replacement of Vehicle #417	$74,584	5	4.0%	$ 1,492	$ 17,900	$ 16,707	$ 16,110	$ 15,513	$ 14,917
X	Roadway Improvements 2016	$5,200,000	20	4.0%	$ 104,000	$ 468,000	$ 447,200	$ 436,800	$ 426,400	$ 416,000
E	# 515	$294,709	10	4.0%	$ 5,894	$ 41,259	$ 38,902	$ 37,723	$ 36,544	$ 35,365
E	Replacement Truck	$50,000	5	4.0%	$ 1,000	$ 12,000	$ 11,200	$ 10,800	$ 10,400	$ 10,000
G	Paving Replacement/Storm Water All Schools - Phased Project (4)	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
Z	Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (5)	$200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000

FY13-18 Capital Budget Debt Service Projection

FY2016 Project List

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			Term		FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service	FY20 Projected Debt Service	FY21 Projected Debt Service
					0	1	2	3	4	5
Z	Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple System Phased Project (4)	$150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
Z	Replace Deteriorated Floor Tile Main Areas and Corridors-Multiple Schools-Phased Project (4)	$200,000	10	4.0%	$ 4,000	$ 28,000	$ 26,400	$ 25,600	$ 24,800	$ 24,000
Z	Furnish New and Replace Outdated Furniture - Phased Project (4)	$300,000	10	4.0%	$ 6,000	$ 42,000	$ 39,600	$ 38,400	$ 37,200	$ 36,000
G	Food Service Equipment Replacement - Phased Project (4)	$25,000	10	4.0%	$ 500	$ 3,500	$ 3,300	$ 3,200	$ 3,100	$ 3,000
G	ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (4)	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
E	Memorial Building Cabling Project	$500,000	10	4.0%	$ 10,000	$ 70,000	$ 66,000	$ 64,000	$ 62,000	$ 60,000
F	Little Farm Pump Station Upgrade and Siphon Replacement -	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
F	Sewer Rehabilitation Project A	$1,500,000	20	4.0%	$ 30,000	$ 135,000	$ 129,000	$ 126,000	$ 123,000	$ 120,000
F	Sewer System Evaluation Study Phase 7	$500,000	5	2.0%	$ 5,000	$ 110,000	$ 106,000	$ 104,000	$ 102,000	$ 100,000
F	Pleasant Street Pump Station Improvements - Design	$500,000	5	4.0%	$ 10,000	$ 120,000	$ 112,000	$ 108,000	$ 104,000	$ 100,000
F	Gates St/Oak Crest/Salem End Rd Pump Station Project - Construction	$15,000,000	20	4.0%	$ 300,000	$1,350,000	$1,290,000	$1,260,000	$1,230,000	$1,200,000
F	Replacement of Vehicle #742	$283,737	10	4.0%	$ 5,675	$ 39,723	$ 37,453	$ 36,318	$ 35,183	$ 34,048
F	Western Avenue Facility Modification	$4,000,000	20	4.0%	$ 80,000	$ 360,000	$ 344,000	$ 336,000	$ 328,000	$ 320,000
F	Sewer Main Replacement Various Locations 2016	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
F	Replacement of Vehicle #720	$114,861	10	4.0%	$ 2,297	$ 16,081	$ 15,162	$ 14,702	$ 14,243	$ 13,783
W	Replacement of Vehicle #63	$63,163	5	4.0%	$ 1,263	$ 15,159	$ 14,149	$ 13,643	$ 13,138	$ 12,633
W	Temple Street Water Replacement - Construction	$1,614,375	20	4.0%	$ 32,288	$ 145,294	$ 138,836	$ 135,608	$ 132,379	$ 129,150
W	Maple Street Water Main Design	$106,000	5	4.0%	$ 2,120	$ 25,440	$ 23,744	$ 22,896	$ 22,048	$ 21,200
W	Pleasant Street Water Main Design	$320,000	5	4.0%	$ 6,400	$ 76,800	$ 71,680	$ 69,120	$ 66,560	$ 64,000
W	Western Avenue Facility Modification	$4,000,000	20	4.0%	$ 80,000	$ 360,000	$ 344,000	$ 336,000	$ 328,000	$ 320,000
W	Replacement of Vehicle #622	$63,163	5	4.0%	$ 1,263	$ 15,159	$ 14,149	$ 13,643	$ 13,138	$ 12,633
W	Replacement of Vehicle #68	$63,163	5	4.0%	$ 1,263	$ 15,159	$ 14,149	$ 13,643	$ 13,138	$ 12,633
W	Replacement of Vehicle #66	$63,163	5	4.0%	$ 1,263	$ 15,159	$ 14,149	$ 13,643	$ 13,138	$ 12,633
W	Replacement of Vehicle #617	$63,163	5	4.0%	$ 1,263	$ 15,159	$ 14,149	$ 13,643	$ 13,138	$ 12,633
W	Replacement of Vehicle # 67	$63,163	5	4.0%	$ 1,263	$ 15,159	$ 14,149	$ 13,643	$ 13,138	$ 12,633
W	Indian Head Water Tank Rehabilitation - Construction	$2,035,000	20	4.0%	$ 40,700	$ 183,150	$ 175,010	$ 170,940	$ 166,870	$ 162,800
W	Replacement of Vehicle #65	$63,163	5	4.0%	$ 1,263	$ 15,159	$ 14,149	$ 13,643	$ 13,138	$ 12,633
W	Water Main Replacements Various Locations 2016	$200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000
W	Edgell Water Pump Station - Construction	$4,860,000	20	4.0%	$ 97,200	$ 437,400	$ 417,960	$ 408,240	$ 398,520	$ 388,800
		$56,289,438			$1,120,787	$5,639,515	$5,371,684	$5,237,761	$5,103,844	$4,969,929

FY13-18 Capital Budget Debt Service Projection

FY2016 Project List

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		Term	FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service	FY20 Projected Debt Service	FY21 Projected Debt Service
			0	1	2	3	4	5
Total Depart Equipment	E		$ 40,067	$ 295,720	$ 278,473	$ 269,849	$ 261,224	$ 252,602
Total School Buildings	Z		$ 17,000	$ 101,500	$ 96,100	$ 93,400	$ 90,700	$ 88,000
Total School - All other	G		$ 12,500	$ 57,500	$ 54,900	$ 53,600	$ 52,300	$ 51,000
Sewer	F		$ 444,972	$2,184,804	$2,085,215	$2,035,420	$1,985,626	$1,935,831
Water	W		$ 271,549	$1,352,197	$1,287,473	$1,255,105	$1,222,743	$1,190,381
Betterment	B		$ -	$ -	$ -	$ -	$ -	$ -
Solid Waste			$ -	$ -	$ -	$ -	$ -	$ -
Other inside Buildings	Y		$ 86,608	$ 389,738	$ 372,417	$ 363,755	$ 355,095	$ 346,434
Other	X		$ 248,091	$1,258,056	$1,197,106	$1,166,632	$1,136,156	$1,105,681
Arena	A		$ -	$ -	$ -	$ -	$ -	$ -
Highschool Debt Exclusion	D		$ -	$ -	$ -	$ -	$ -	$ -
			$1,120,787	$5,639,515	$5,371,684	$5,237,761	$5,103,844	$4,969,929
General Fund			$ 404,266	$2,102,514	$1,998,996	$1,947,236	$1,895,475	$1,843,717
Water			$ 271,549	$1,352,197	$1,287,473	$1,255,105	$1,222,743	$1,190,381
Sewer			$ 444,972	$2,184,804	$2,085,215	$2,035,420	$1,985,626	$1,935,831
Excluded			$ -	$ -	$ -	$ -	$ -	$ -
			$1,120,787	$5,639,515	$5,371,684	$5,237,761	$5,103,844	$4,969,929

FY13-18 Capital Budget Debt Service Projection

FY2017 Project List

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			Term		FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service	FY20 Projected Debt Service	FY21 Projected Debt Service	FY22 Projected Debt Service
					0	1	2	3	4	5
E	RFID and Self-checkout	$284,500	5	4.0%	$ 5,690	$ 68,280	$ 63,728	$ 61,452	$ 59,176	$ 56,900
E	Fire Prevention Arson Unit	$55,363	10	4.0%	$ 1,107	$ 7,751	$ 7,308	$ 7,086	$ 6,865	$ 6,644
E	Replace Shift Commander Car	$38,987	5	4.0%	$ 780	$ 9,357	$ 8,733	$ 8,421	$ 8,109	$ 7,797
E	Phase 2 - Protective Clothing Replacement	$80,000	5	4.0%	$ 1,600	$ 19,200	$ 17,920	$ 17,280	$ 16,640	$ 16,000
E	Play Equip. / Hand. Access., Phase 5-Temple Street Park	$77,050	10	4.0%	$ 1,541	$ 10,787	$ 10,171	$ 9,862	$ 9,554	$ 9,246
X	Winch Lower Synthetic Turf Installation	$796,875	10	4.0%	$ 15,938	$ 111,563	$ 105,188	$ 102,000	$ 98,813	$ 95,625
X	Irrigation Wells- Miscellaneous Sites	$287,500	10	4.0%	$ 5,750	$ 40,250	$ 37,950	$ 36,800	$ 35,650	$ 34,500
X	Furber Park Retaining Wall and Irrigation	$126,875	20	4.0%	$ 2,538	$ 11,419	$ 10,911	$ 10,658	$ 10,404	$ 10,150
X	Tennis and Basketball Court Resurfacing Phase 3 - Butterworth Courts	$259,469	10	4.0%	$ 5,189	$ 36,326	$ 34,250	$ 33,212	$ 32,174	$ 31,136
X	Farm Pond Shelter and Public Toilet Construction	$173,712	20	4.0%	$ 3,474	$ 15,634	$ 14,939	$ 14,592	$ 14,244	$ 13,897
E	Case MTX 570 Loader	$75,744	5	4.0%	$ 1,515	$ 18,179	$ 16,967	$ 16,361	$ 15,755	$ 15,149
X	Beach Landscape & Design Improvements Phase 3 - Learneds	$72,000	20	4.0%	$ 1,440	$ 6,480	$ 6,192	$ 6,048	$ 5,904	$ 5,760
E	F450 4x4 Crew Cab Dump Truck 16,000 GVW	$62,782	5	4.0%	$ 1,256	$ 15,068	$ 14,063	$ 13,561	$ 13,059	$ 12,556
Y	Loring Arena Renovations	$2,800,000	20	4.0%	$ 56,000	$ 252,000	$ 240,800	$ 235,200	$ 229,600	$ 224,000
E	F450 4x4 Reg Cab Dump Truck 16,000 GVW	$55,962	5	4.0%	$ 1,119	$ 13,431	$ 12,535	$ 12,088	$ 11,640	$ 11,192
X	Nobscot Fire Station Area Drainage Improvements	$500,000	20	4.0%	$ 10,000	$ 45,000	$ 43,000	$ 42,000	$ 41,000	$ 40,000
X	Tarralli Terrace Bridge Construction	$2,000,000	20	4.0%	$ 40,000	$ 180,000	$ 172,000	$ 168,000	$ 164,000	$ 160,000
X	Catch Basin Replacements	$380,000	20	4.0%	$ 7,600	$ 34,200	$ 32,680	$ 31,920	$ 31,160	$ 30,400
X	Clean, TV Inspection for High Sediment Lines	$150,000	5	4.0%	$ 3,000	$ 36,000	$ 33,600	$ 32,400	$ 31,200	$ 30,000
E	Replacement of Vehicle # 302	$144,801	10	4.0%	$ 2,896	$ 20,272	$ 19,114	$ 18,535	$ 17,955	$ 17,376
X	Roadway Improvements - 2017	$5,200,000	20	4.0%	$ 104,000	$ 468,000	$ 447,200	$ 436,800	$ 426,400	$ 416,000
X	Sidewalk/Accessibility Improvements - 2017	$150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
E	Replacement of Vehicle # 517	$306,497	10	4.0%	$ 6,130	$ 42,910	$ 40,458	$ 39,232	$ 38,006	$ 36,780
G	Replacement Truck	$50,000	5	4.0%	$ 1,000	$ 12,000	$ 11,200	$ 10,800	$ 10,400	$ 10,000
G	ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (5)	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
G	Food Service Equipment Replacement - Phased Project (5)	$25,000	5	4.0%	$ 500	$ 6,000	$ 5,600	$ 5,400	$ 5,200	$ 5,000
Z	Furnish New and Replace Outdated Furniture - Phased Project (5)	$300,000	10	4.0%	$ 6,000	$ 42,000	$ 39,600	$ 38,400	$ 37,200	$ 36,000
G	Paving Replacement/Storm Water All Schools - Phased Project (5)	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
Z	Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (6)	$200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000

FY13-18 Capital Budget Debt Service Projection

FY2017 Project List

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			Term		FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service	FY20 Projected Debt Service	FY21 Projected Debt Service	FY22 Projected Debt Service
					0	1	2	3	4	5
Z	Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple System Phased Project (5)	$150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
Z	Replace Deteriorated Floor Tile in Main Areas and Cooridors - Multiple Schools - Phased Project (5)	$200,000	10	4.0%	$ 4,000	$ 28,000	$ 26,400	$ 25,600	$ 24,800	$ 24,000
F	Little Farm Pump Station Upgrade and Siphon Replacement - Construction	$2,700,000	20	4.0%	$ 54,000	$ 243,000	$ 232,200	$ 226,800	$ 221,400	$ 216,000
F	Replacement of Vehicle # 728	$72,798	5	4.0%	$ 1,456	$ 17,472	$ 16,307	$ 15,724	$ 15,142	$ 14,560
F	Flanagan and Weld Pumping Station Upgrade/Replacement Project - Design	$250,000	5	4.0%	$ 5,000	$ 60,000	$ 56,000	$ 54,000	$ 52,000	$ 50,000
F	Pleasant Street Pump Station Improvements - Construction	$4,000,000	20	4.0%	$ 80,000	$ 360,000	$ 344,000	$ 336,000	$ 328,000	$ 320,000
F	Sewer Rehabilitation Project D - Design	$250,000	5	4.0%	$ 5,000	$ 60,000	$ 56,000	$ 54,000	$ 52,000	$ 50,000
F	Sewer Main Replacement Various Locations 2017	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
F	Sewer Rehabilitation Project B	$1,500,000	20	4.0%	$ 30,000	$ 135,000	$ 129,000	$ 126,000	$ 123,000	$ 120,000
F	Woodland Pump Station Replacement - Construction	$3,600,000	20	4.0%	$ 72,000	$ 324,000	$ 309,600	$ 302,400	$ 295,200	$ 288,000
F	Technology Park Sewer: 9/90 Interceptor, Farm Pond Interceptor, Mountain Road Redirection Upgrades - Design	$600,000	5	4.0%	$ 12,000	$ 144,000	$ 134,400	$ 129,600	$ 124,800	$ 120,000
F	Replacement of Vehicle # 733	$264,034	10	4.0%	$ 5,281	$ 36,965	$ 34,852	$ 33,796	$ 32,740	$ 31,684
W	Water Main Replacements Various Locations 2017	$200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000
W	Edgell Road Water Main Design	$293,000	5	4.0%	$ 5,860	$ 70,320	$ 65,632	$ 63,288	$ 60,944	$ 58,600
W	Worcester Road / Technology Park Water - Design	$99,750	5	4.0%	$ 1,995	$ 23,940	$ 22,344	$ 21,546	$ 20,748	$ 19,950
W	Merriam Hill Water Tank Rehabilitation - Design	$165,000	5	4.0%	$ 3,300	$ 39,600	$ 36,960	$ 35,640	$ 34,320	$ 33,000
W	Replacement of Vehicle # 630	$264,034	10	4.0%	$ 5,281	$ 36,965	$ 34,852	$ 33,796	$ 32,740	$ 31,684
W	Pleasant Street Water Main Construction	$4,786,875	20	4.0%	$ 95,738	$ 430,819	$ 411,671	$ 402,098	$ 392,524	$ 382,950
W	Wilde Avenue Water Main Replacement - Design	$15,000	5	4.0%	$ 300	$ 3,600	$ 3,360	$ 3,240	$ 3,120	$ 3,000
W	Benson Avenue Water Main Replacement - Design	$29,000	5	4.0%	$ 580	$ 6,960	$ 6,496	$ 6,264	$ 6,032	$ 5,800
W	Knox Avenue Water Main Replacement - Design	$10,000	5	4.0%	$ 200	$ 2,400	$ 2,240	$ 2,160	$ 2,080	$ 2,000
W	Seminole Avenue Water Main Replacement - Design	$20,000	5	4.0%	$ 400	$ 4,800	$ 4,480	$ 4,320	$ 4,160	$ 4,000
W	Palmetto Avenue Water Main Replacement - Design	$20,000	5	4.0%	$ 400	$ 4,800	$ 4,480	$ 4,320	$ 4,160	$ 4,000
W	Larabee Avenue Water Main Replacement - Design	$18,000	5	4.0%	$ 360	$ 4,320	$ 4,032	$ 3,888	$ 3,744	$ 3,600
W	Stoney Brook Water Transmission Main - Design	$200,000	5	4.0%	$ 4,000	$ 48,000	$ 44,800	$ 43,200	$ 41,600	$ 40,000
W	Maple Street Water Main Replacement Construction	$1,579,500	20	4.0%	$ 31,590	$ 142,155	$ 135,837	$ 132,678	$ 129,519	$ 126,360
		$36,840,108			$ 736,804	$ 3,893,223	$ 3,699,650	$ 3,602,866	$ 3,506,081	$ 3,409,296

FY13-18 Capital Budget Debt Service Projection

FY2017 Project List

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		Term	FY17 Projected Debt Service	FY18 Projected Debt Service	FY19 Projected Debt Service	FY20 Projected Debt Service	FY21 Projected Debt Service	FY22 Projected Debt Service
			0	1	2	3	4	5
Total Depart Equipment	E		$ 23,634	$ 225,235	$ 210,997	$ 203,878	$ 196,759	$ 189,640
Total School Buildings	Z		$ 17,000	$ 101,500	$ 96,100	$ 93,400	$ 90,700	$ 88,000
Total School - All other	G		$ 13,500	$ 72,000	$ 68,400	$ 66,600	$ 64,800	$ 63,000
Sewer	F		$ 270,737	$ 1,407,437	$ 1,338,159	$ 1,303,520	$ 1,268,882	$ 1,234,244
Water	W		$ 154,004	$ 836,679	$ 794,384	$ 773,238	$ 752,091	$ 730,944
Betterment	B		$ -	$ -	$ -	$ -	$ -	$ -
Solid Waste			$ -	$ -	$ -	$ -	$ -	$ -
Other inside Buildings	Y		$ 56,000	$ 252,000	$ 240,800	$ 235,200	$ 229,600	$ 224,000
Other	X		$ 201,929	$ 998,372	$ 950,810	$ 927,030	$ 903,249	$ 879,468
Arena	A		$ -	$ -	$ -	$ -	$ -	$ -
Highschool Debt Exclusion	D		$ -	$ -	$ -	$ -	$ -	$ -
			$ 736,804	$ 3,893,223	$ 3,699,650	$ 3,602,866	$ 3,506,081	$ 3,409,296
General Fund			$ 312,063	$ 1,649,107	$ 1,567,107	$ 1,526,108	$ 1,485,108	$ 1,444,108
Water			$ 154,004	$ 836,679	$ 794,384	$ 773,238	$ 752,091	$ 730,944
Sewer			$ 270,737	$ 1,407,437	$ 1,338,159	$ 1,303,520	$ 1,268,882	$ 1,234,244
Excluded			$ -	$ -	$ -	$ -	$ -	$ -
			$ 736,804	$ 3,893,223	$ 3,699,650	$ 3,602,866	$ 3,506,081	$ 3,409,296

FY13-18 Capital Budget Debt Service Projection

FY2018 Project List

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			Term		FY18 Projected Debt Service 0	FY19 Projected Debt Service 1	FY20 Projected Debt Service 2	FY21 Projected Debt Service 3	FY22 Projected Debt Service 4	FY23 Projected Debt Service 5
E	Communications Upgrade	$250,000	10	4.0%	$ 5,000	$ 35,000	$ 33,000	$ 32,000	$ 31,000	$ 30,000
E	Phase 3 - Protective Clothing Replacement	$80,000	5	4.0%	$ 1,600	$ 19,200	$ 17,920	$ 17,280	$ 16,640	$ 16,000
E	Brush Bandit 1590XT Brush Chipper	$49,401	5	4.0%	$ 988	$ 11,856	$ 11,066	$ 10,671	$ 10,275	$ 9,880
E	F350 4x4 Extended Cab 10,000 GVW	$34,068	5	4.0%	$ 681	$ 8,176	$ 7,631	$ 7,359	$ 7,086	$ 6,814
X	Lighting Mary Dennison II Softball Field	$161,250	10	4.0%	$ 3,225	$ 22,575	$ 21,285	$ 20,640	$ 19,995	$ 19,350
X	Barbieri Complex Renovation & Irrigation	$484,035	20	4.0%	$ 9,681	$ 43,563	$ 41,627	$ 40,659	$ 39,691	$ 38,723
X	Walsh restrooms and storage	$90,792	20	4.0%	$ 1,816	$ 8,171	$ 7,808	$ 7,627	$ 7,445	$ 7,263
X	Tennis and Basketball Court Resurfacing Phase 4 - Anna Murphy, Arlington St, Furber, Mt. Wayte	$215,381	10	4.0%	$ 4,308	$ 30,153	$ 28,430	$ 27,569	$ 26,707	$ 25,846
X	Waushakum Beach Handicapped Accessibility Improvements	$250,000	20	4.0%	$ 5,000	$ 22,500	$ 21,500	$ 21,000	$ 20,500	$ 20,000
X	Rollerblade and Skateboard Park	$393,750	20	4.0%	$ 7,875	$ 35,438	$ 33,863	$ 33,075	$ 32,288	$ 31,500
E	F250 4x4, Extended Cab Pickup, 8,800 GVW	$31,009	5	4.0%	$ 620	$ 7,442	$ 6,946	$ 6,698	$ 6,450	$ 6,202
X	Catch Basin Replacements	$380,000	20	4.0%	$ 7,600	$ 34,200	$ 32,680	$ 31,920	$ 31,160	$ 30,400
X	Franklin Street Outfall Improvements	$25,000	5	4.0%	$ 500	$ 6,000	$ 5,600	$ 5,400	$ 5,200	$ 5,000
E	Replacement of Vehicle #43	$55,204	5	4.0%	$ 1,104	$ 13,249	$ 12,366	$ 11,924	$ 11,482	$ 11,041
E	Replacement # 470	$183,958	10	4.0%	$ 3,679	$ 25,754	$ 24,282	$ 23,547	$ 22,811	$ 22,075
X	Roadway Improvements - 2018	$5,200,000	20	4.0%	$ 104,000	$ 468,000	$ 447,200	$ 436,800	$ 426,400	$ 416,000
E	Replacement of Vehicle #45	$55,204	5	4.0%	$ 1,104	$ 13,249	$ 12,366	$ 11,924	$ 11,482	$ 11,041
X	Sidewalk/Accessibility Improvements - 2018	$150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
E	Replacement of Vehicle #412	$81,117	5	4.0%	$ 1,622	$ 19,468	$ 18,170	$ 17,521	$ 16,872	$ 16,223
E	Replacement of Vehicle #413	$81,117	5	4.0%	$ 1,622	$ 19,468	$ 18,170	$ 17,521	$ 16,872	$ 16,223
E	Replacement of Vehicle #510	$318,757	10	4.0%	$ 6,375	$ 44,626	$ 42,076	$ 40,801	$ 39,526	$ 38,251
F	Sewer Rehabilitation Project C	$1,500,000	20	4.0%	$ 30,000	$ 135,000	$ 129,000	$ 126,000	$ 123,000	$ 120,000
F	Brownlea Pump Station Elimination Project - Design	$250,000	5	4.0%	$ 5,000	$ 60,000	$ 56,000	$ 54,000	$ 52,000	$ 50,000
F	Garvey, Eastleigh, Blackberry & McQuinn Pump Station Improvements - Design	$300,000	5	4.0%	$ 6,000	$ 72,000	$ 67,200	$ 64,800	$ 62,400	$ 60,000
F	Flanagan and Weld Pumping Station Upgrade/Replacement Project - Construction	$2,000,000	20	4.0%	$ 40,000	$ 180,000	$ 172,000	$ 168,000	$ 164,000	$ 160,000
F	Sewer Main Replacement Various Locations 2018	$300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
W	Cochituate Road Water Main Replacement - Design	$120,000	5	4.0%	$ 2,400	$ 28,800	$ 26,880	$ 25,920	$ 24,960	$ 24,000
W	Palmeto Avenue Water Main Replacement - Construction	$291,375	20	4.0%	$ 5,828	$ 26,224	$ 25,058	$ 24,476	$ 23,893	$ 23,310
W	Seminole Avenue Water Main Replacement - Construction	$291,375	20	4.0%	$ 5,828	$ 26,224	$ 25,058	$ 24,476	$ 23,893	$ 23,310
W	Water Main Replacements - Various Locations 2018	$200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000
W	Norman Hill Road Water Main Replacement - Design	$32,000	5	4.0%	$ 640	$ 7,680	$ 7,168	$ 6,912	$ 6,656	$ 6,400
W	Stoney Brook Water Transmission Main - Construction	$1,800,000	20	4.0%	$ 36,000	$ 162,000	$ 154,800	$ 151,200	$ 147,600	$ 144,000

FY13-18 Capital Budget Debt Service Projection

FY2018 Project List

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			Term		FY18 Projected Debt Service 0	FY19 Projected Debt Service 1	FY20 Projected Debt Service 2	FY21 Projected Debt Service 3	FY22 Projected Debt Service 4	FY23 Projected Debt Service 5
W	Replacement of Vehicle #651	$158,798	10	4.0%	$ 3,176	$ 22,232	$ 20,961	$ 20,326	$ 19,691	$ 19,056
W	Taylor Street Water Main Replacement - Design	$18,500	5	4.0%	$ 370	$ 4,440	$ 4,144	$ 3,996	$ 3,848	$ 3,700
W	South Street Water Main Replacement - Design	$34,000	5	4.0%	$ 680	$ 8,160	$ 7,616	$ 7,344	$ 7,072	$ 6,800
W	Worcester Road / Technology Park Water - Construction	$1,354,500	20	4.0%	$ 27,090	$ 121,905	$ 116,487	$ 113,778	$ 111,069	$ 108,360
W	Edgell Road Water Main Replacement Construction	$4,394,250	20	4.0%	$ 87,885	$ 395,483	$ 377,906	$ 369,117	$ 360,329	$ 351,540
W	Benson Avenue Water Main Replacement - Construction	$420,700	20	4.0%	$ 8,414	$ 37,863	$ 36,180	$ 35,339	$ 34,497	$ 33,656
W	Larabee Avenue Water Main Replacement - Construction	$266,400	20	4.0%	$ 5,328	$ 23,976	$ 22,910	$ 22,378	$ 21,845	$ 21,312
W	Barber Road Water Main Replacement - Design	$33,500	5	4.0%	$ 670	$ 8,040	$ 7,504	$ 7,236	$ 6,968	$ 6,700
W	Church Street Water Main Replacement - Design	$34,200	5	4.0%	$ 684	$ 8,208	$ 7,661	$ 7,387	$ 7,114	$ 6,840
W	Maynard Road Water Main Replacement - Design	$95,000	5	4.0%	$ 1,900	$ 22,800	$ 21,280	$ 20,520	$ 19,760	$ 19,000
W	Adams Road Water Main Replacement - Design	$25,000	5	4.0%	$ 500	$ 6,000	$ 5,600	$ 5,400	$ 5,200	$ 5,000
W	Knox Avenue Water Main Replacement - Construction	$124,875	20	4.0%	$ 2,498	$ 11,239	$ 10,739	$ 10,490	$ 10,240	$ 9,990
W	Wilde Avenue Water Main Replacement - Construction	$229,500	20	4.0%	$ 4,590	$ 20,655	$ 19,737	$ 19,278	$ 18,819	$ 18,360
W	Merriam Hill Water Tank Rehabilitation - Construction	$2,035,000	20	4.0%	$ 40,700	$ 183,150	$ 175,010	$ 170,940	$ 166,870	$ 162,800
		$24,879,016			$ 497,581	$ 2,518,667	$ 2,396,785	$ 2,335,849	$ 2,274,906	$ 2,213,966

		FY18 Projected Debt Service	FY19 Projected Debt Service	FY20 Projected Debt Service	FY21 Projected Debt Service	FY22 Projected Debt Service	FY23 Projected Debt Service
Total Depart Equipment	E	$ 24,395	$ 217,488	$ 203,993	$ 197,246	$ 190,496	$ 183,750
Total School Buildings	Z	$ -	$ -	$ -	$ -	$ -	$ -
Total School - All other	G	$ -	$ -	$ -	$ -	$ -	$ -
Sewer	F	$ 87,000	$ 474,000	$ 450,000	$ 438,000	$ 426,000	$ 414,000
Water	W	$ 239,181	$ 1,143,079	$ 1,089,899	$ 1,063,313	$ 1,036,724	$ 1,010,134
Betterment	B	$ -	$ -	$ -	$ -	$ -	$ -
Solid Waste		$ -	$ -	$ -	$ -	$ -	$ -
Other inside Buildings	Y	$ -	$ -	$ -	$ -	$ -	$ -
Other	X	$ 147,005	$ 684,100	$ 652,893	$ 637,290	$ 621,686	$ 606,082
Arena	A	$ -	$ -	$ -	$ -	$ -	$ -
Highschool Debt Exclusion	D	$ -	$ -	$ -	$ -	$ -	$ -
		$ 497,581	$ 2,518,667	$ 2,396,785	$ 2,335,849	$ 2,274,906	$ 2,213,966
General Fund		$ 171,400	$ 901,588	$ 856,886	$ 834,536	$ 812,182	$ 789,832
Water		$ 239,181	$ 1,143,079	$ 1,089,899	$ 1,063,313	$ 1,036,724	$ 1,010,134
Sewer		$ 87,000	$ 474,000	$ 450,000	$ 438,000	$ 426,000	$ 414,000
Excluded		$ -	$ -	$ -	$ -	$ -	$ -
		$ 497,581	$ 2,518,667	$ 2,396,785	$ 2,335,849	$ 2,274,906	$ 2,213,966

Issued Debt Principal and Interest

Town of Framingham
Schedule of Principal Debt Retirement

	FY2013 Principal	FY2013 Interest	Total	FY2014 Principal	FY2014 Interest	Total	FY2015 Principal	FY2015 Interest	Total	FY2016 Principal	FY2016 Interest	Total	FY2017 Principal	FY2017 Interest	Total	FY2018 Principal	FY2018 Interest	Total
	-			-			-			-			-			-		
General Fund	7,760,209	1,766,887	9,527,096	7,021,809	1,537,545	8,559,354	6,351,296	1,308,711	7,660,007	4,677,550	1,115,462	5,793,012	4,183,127	947,553	5,130,680	4,074,715	813,398	4,888,113
Sewer Enterprise	2,844,188	1,066,772	3,910,960	2,777,426	994,870	3,772,296	2,507,484	918,464	3,425,948	2,113,112	851,185	2,964,296	2,087,200	791,199	2,878,399	2,107,124	737,659	2,844,783
Water Enterprise	2,057,250	731,355	2,788,605	2,020,392	684,989	2,705,381	2,008,706	627,988	2,636,694	1,500,910	574,025	2,074,935	1,250,000	529,175	1,779,175	1,220,000	479,550	1,699,550

FY13 Short Term Borrow Conversion

	Current Short Term Notes		Term	Univer 4.0%	FY13 Projected Debt Service 0	FY14 Projected Debt Service 1	FY15 Projected Debt Service 2	FY16 Projected Debt Service 3	FY17 Projected Debt Service 4	FY18 Projected Debt Service 5
F	4/09 ATM A41D East Frm S__	25,152,743	30	4.0%	$ 503,055	$ 1,844,534	$ 1,777,461	$ 1,743,924	$ 1,710,387	$ 1,676,850
X	ATM01 A25Q Park St Drainage	228,000	20	4.0%	$ 4,560	$ 20,520	$ 19,608	$ 19,152	$ 18,696	$ 18,240
F	4/06 ATM A30 MM Water St. Sewer Replacement SRF 295	807,477	20	4.0%	$ 16,150	$ 72,673	$ 69,443	$ 67,828	$ 66,213	$ 64,598
E	4/07 ATM A49VV Library Generat Transferred to A24V 320:	30,000	10	4.0%	$ 600	$ 4,200	$ 3,960	$ 3,840	$ 3,720	$ 3,600
E	4/07 ATM A49TT Web Content Mgt	95,000	5	4.0%	$ 1,900	$ 22,800	$ 21,280	$ 20,520	$ 19,760	$ 19,000
F	4/08 ATM A47A North Fram Pump Stn D	400,000	20	4.0%	$ 8,000	$ 36,000	$ 34,400	$ 33,600	$ 32,800	$ 32,000
F	4/08 ATM A47E Farm Pd Interceptor C	755,000	20	4.0%	$ 15,100	$ 67,950	$ 64,930	$ 63,420	$ 61,910	$ 60,400
F	4/08 ATM A47G Prospect St A Swr Rpl	1,700,000	20	4.0%	$ 34,000	$ 153,000	$ 146,200	$ 142,800	$ 139,400	$ 136,000
W	4/08 ATM A46B Grove St Water Pump S	1,500,000	20	4.0%	$ 30,000	$ 135,000	$ 129,000	$ 126,000	$ 123,000	$ 120,000
W	4/08 ATM A46D Water St Main Constrc	8,252,150	20	4.0%	$ 165,043	$ 742,694	$ 709,685	$ 693,181	$ 676,676	$ 660,172
W	4/08 ATM A46K Birch Rd Well React	2,500,000	20	4.0%	$ 50,000	$ 225,000	$ 215,000	$ 210,000	$ 205,000	$ 200,000
W	4/08 ATM A46L Choutea & LaSalle Wtr	110,000	20	4.0%	$ 2,200	$ 9,900	$ 9,460	$ 9,240	$ 9,020	$ 8,800
W	4/08 ATM A46Q Concord St Wtr Rplcmn	141,750	20	4.0%	$ 2,835	$ 12,758	$ 12,191	$ 11,907	$ 11,624	$ 11,340
X	4/08 ATM A44I Saxonville Levy Accre	370,000	20	4.0%	$ 7,400	$ 33,300	$ 31,820	$ 31,080	$ 30,340	$ 29,600
Y	4/09 ATM A39R McAdms Drn__	20,000	5	4.0%	$ 400	$ 4,800	$ 4,480	$ 4,320	$ 4,160	$ 4,000
Y	4/09 ATM A39T Pearl Hrbr__	100,000	5	4.0%	$ 2,000	$ 24,000	$ 22,400	$ 21,600	$ 20,800	$ 20,000
Y	4/09 ATM A39U Carter Dr__	120,000	5	4.0%	$ 2,400	$ 28,800	$ 26,880	$ 25,920	$ 24,960	$ 24,000
E	4/09 ATM A39DD Network I__	150,000	5	4.0%	$ 3,000	$ 36,000	$ 33,600	$ 32,400	$ 31,200	$ 30,000
W	4/09 ATM A40B Birch Rd W__	2,000,000	20	4.0%	$ 40,000	$ 180,000	$ 172,000	$ 168,000	$ 164,000	$ 160,000
W	4/09 ATM A40C Concord St__	300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
W	4/09 ATM A40E State St W__	550,000	20	4.0%	$ 11,000	$ 49,500	$ 47,300	$ 46,200	$ 45,100	$ 44,000
W	4/09 ATM A40F Pearl Hrbr__	200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000
W	4/09 ATM A40I Chouteau &__	800,000	20	4.0%	$ 16,000	$ 72,000	$ 68,800	$ 67,200	$ 65,600	$ 64,000
W	4/09 ATM A40J Coburn St__	1,350,000	20	4.0%	$ 27,000	$ 121,500	$ 116,100	$ 113,400	$ 110,700	$ 108,000
F	4/09 ATM A41D East Frm S__	500,000	20	4.0%	$ 10,000	$ 45,000	$ 43,000	$ 42,000	$ 41,000	$ 40,000
F	4/09 ATM A41F Concord St__	580,000	20	4.0%	$ 11,600	$ 52,200	$ 49,880	$ 48,720	$ 47,560	$ 46,400
F	4/09 ATM A41G State St__	900,000	20	4.0%	$ 18,000	$ 81,000	$ 77,400	$ 75,600	$ 73,800	$ 72,000
F	4/09 ATM A41M Coburn St__	1,350,000	20	4.0%	$ 27,000	$ 121,500	$ 116,100	$ 113,400	$ 110,700	$ 108,000
F	STM A2 1/26/10 Tech Prk I&I Removal	1,500,000	20	4.0%	$ 30,000	$ 135,000	$ 129,000	$ 126,000	$ 123,000	$ 120,000
Y	05/10 ATM A24H ROADWAY IMPROV 2011	400,000	20	4.0%	$ 8,000	$ 36,000	$ 34,400	$ 33,600	$ 32,800	$ 32,000
E	05/10 ATM A24I SIDEWALK/ACCESS IMROV 2011	100,000	20	4.0%	$ 2,000	$ 9,000	$ 8,600	$ 8,400	$ 8,200	$ 8,000

FY13 Short Term Borrow Conversion

	Current Short Term Notes		Term	Univer 4.0%	FY13 Projected Debt Service 0	FY14 Projected Debt Service 1	FY15 Projected Debt Service 2	FY16 Projected Debt Service 3	FY17 Projected Debt Service 4	FY18 Projected Debt Service 5
Y	05/10 ATM A24U MEMORIAL/MAYNARD BLDG IMPROV	407,038	20	4.0%	$ 8,141	$ 36,633	$ 35,005	$ 34,191	$ 33,377	$ 32,563
Y	05/10 ATM A24W LIBRARY GARAGE IMPROVEMENTS	70,000	20	4.0%	$ 1,400	$ 6,300	$ 6,020	$ 5,880	$ 5,740	$ 5,600
W	05/10 ATM A25A N CONCORD ST WTR MN REPLACE	2,000,000	20	4.0%	$ 40,000	$ 180,000	$ 172,000	$ 168,000	$ 164,000	$ 160,000
W	05/10 ATM A25B GRANT & POND ST WTR MAIN REPLACE	50,000	20	4.0%	$ 1,000	$ 4,500	$ 4,300	$ 4,200	$ 4,100	$ 4,000
W	05/10 ATM A25E IRVING,LORING, HERBERT ST WTR MAIN	150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
W	05/10 ATM A25F WATER HYDRANT & GATE VALVE REPLA(	150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
W	05/10 ATM A25G WATER MAIN REPLACE VARIOUS LOCAT	100,000	20	4.0%	$ 2,000	$ 9,000	$ 8,600	$ 8,400	$ 8,200	$ 8,000
F	05/10 ATM A26A GRANT & POND ST SEWER REPLACE	1,800,000	20	4.0%	$ 36,000	$ 162,000	$ 154,800	$ 151,200	$ 147,600	$ 144,000
F	05/10 ATM SWR MAIN REPLACE	200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000
Z	1/11 STM A2 Stapleton Windows	431,562	20	4.0%	$ 8,631	$ 38,841	$ 37,114	$ 36,251	$ 35,388	$ 34,525
F	4/08 ATM A47J Swr Sys Eval P3 CW-08-26	525,000	5	4.0%	$ 10,500	$ 126,000	$ 117,600	$ 113,400	$ 109,200	$ 105,000
F	05/10 ATM A26A GRANT & POND ST SEWER REPLACE	1,724,924	20	4.0%	$ 34,498	$ 155,243	$ 148,343	$ 144,894	$ 141,444	$ 137,994
F	05/10 ATM A26C SEWER SYST EVALUATION PHS 5	500,000	5	4.0%	$ 10,000	$ 120,000	$ 112,000	$ 108,000	$ 104,000	$ 100,000
	General Fund				$ 50,432	$ 301,194	$ 285,167	$ 277,154	$ 269,141	$ 261,128
	Sewer Enterprise				$ 767,903	$ 3,190,100	$ 3,057,757	$ 2,991,586	$ 2,925,414	$ 2,859,242
	Water Enterprise				$ 403,078	$ 1,813,852	$ 1,733,236	$ 1,692,928	$ 1,652,620	$ 1,612,312

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Authorized but Unissued Borrowing Projection

Office of the CFO

Project #		Loan Authorized/Unissued	Unissued	Term	4.0%	FY13 Projected Debt Service 0	FY14 Projected Debt Service 1	FY15 Projected Debt Service 2	FY16 Projected Debt Service 3	FY17 Projected Debt Service 4	FY18 Projected Debt Service 5
31127	F	ATM02 A21S Vaillencourt Pump	13,235	20	4.0%	$ 265	$ 1,191	$ 1,138	$ 1,112	$ 1,085	$ 1,059
31637	F	4/06 ATM A30 KK Pump Station Replacement SRF 29	335,587	20	4.0%	$ 6,712	$ 30,203	$ 28,861	$ 28,189	$ 27,518	$ 26,847
31747	E	4/07 ATM A49TT Web Content Mgt	12,873	5	4.0%	$ 257	$ 3,090	$ 2,884	$ 2,781	$ 2,678	$ 2,575
31774	F	4/07 ATM A51C Concord School S	4,199,528	20	4.0%	$ 83,991	$ 377,958	$ 361,159	$ 352,760	$ 344,361	$ 335,962
31781	F	4/07 ATM A51J Wastewater Pump	2,957,037	20	4.0%	$ 59,141	$ 266,133	$ 254,305	$ 248,391	$ 242,477	$ 236,563
31801	Y	4/08 ATM A15 Edgl Lib Acdemy Vill R	2,250	20	4.0%	$ 45	$ 203	$ 194	$ 189	$ 185	$ 180
31804	Y	4/08 ATM A44C Main Library Renovati	875	20	4.0%	$ 18	$ 79	$ 75	$ 74	$ 72	$ 70
31807	Y	4/08 ATM A44G Police Locker Room	858	10	4.0%	$ 17	$ 120	$ 113	$ 110	$ 106	$ 103
31812	X	4/08 ATM A44K Roadway Improve 2009	328	5	4.0%	$ 7	$ 79	$ 73	$ 71	$ 68	$ 66
31818	E	4/08 ATM A44Q Prmits, License Insp	381	5	4.0%	$ 8	$ 91	$ 85	$ 82	$ 79	$ 76
31821	W	4/08 ATM A46B Grove St Water Pump S	1,369,836	20	4.0%	$ 27,397	$ 123,285	$ 117,806	$ 115,066	$ 112,327	$ 109,587
31822	W	4/08 ATM A46C Pershing Ave Wtr Main	438,750	20	4.0%	$ 8,775	$ 39,488	$ 37,733	$ 36,855	$ 35,978	$ 35,100
31823	W	4/08 ATM A46D Water St Main Constrc	270,000	20	4.0%	$ 5,400	$ 24,300	$ 23,220	$ 22,680	$ 22,140	$ 21,600
31825	W	4/08 ATM A46F Prospect St Wtr Main	1,100,000	20	4.0%	$ 22,000	$ 99,000	$ 94,600	$ 92,400	$ 90,200	$ 88,000
31829	W	4/08 ATM A46J N Concord St Wtr Desi	600,000	20	4.0%	$ 12,000	$ 54,000	$ 51,600	$ 50,400	$ 49,200	$ 48,000
31830	W	4/08 ATM A46K Birch Rd Well React	330,400	20	4.0%	$ 6,608	$ 29,736	$ 28,414	$ 27,754	$ 27,093	$ 26,432
31834	W	4/08 ATM A46O Union Ave/Main St Dsg	320,000	20	4.0%	$ 6,400	$ 28,800	$ 27,520	$ 26,880	$ 26,240	$ 25,600
31837	W	4/08 ATM A46R Edmands Road Wtr Main	110,000	20	4.0%	$ 2,200	$ 9,900	$ 9,460	$ 9,240	$ 9,020	$ 8,800
31839	W	4/08 ATM A46T Pond St Wtr Rplc Dsgn	175	20	4.0%	$ 4	$ 16	$ 15	$ 15	$ 14	$ 14
31841	F	4/08 ATM A47A North Fram Pump Stn D	392,500	30	4.0%	$ 7,850	$ 28,783	$ 27,737	$ 27,213	$ 26,690	$ 26,167
31845	F	4/08 ATM A47E Farm Pd Interceptor C	345,000	30	4.0%	$ 6,900	$ 25,300	$ 24,380	$ 23,920	$ 23,460	$ 23,000
31846	F	4/08 ATM A47F Cove Area Swr Main Rp	700	20	4.0%	$ 14	$ 63	$ 60	$ 59	$ 57	$ 56
31847	F	4/08 ATM A47G Prospect St A Swr Rpl	1,008,906	20	4.0%	$ 20,178	$ 90,802	$ 86,766	$ 84,748	$ 82,730	$ 80,713
31852	Y	31852 10/08 STM A22 188 Concord St Purcha	1,750,000	20	4.0%		$ 35,000	$ 157,500	$ 150,500	$ 147,000	$ 143,500
31903	Y	4/09 ATM A39C Fire Drain__	76,000	20	4.0%	$ 1,520	$ 6,840	$ 6,536	$ 6,384	$ 6,232	$ 6,080
31906	Y	4/09 ATM A39F May/MemBld__	52,000	20	4.0%	$ 1,040	$ 4,680	$ 4,472	$ 4,368	$ 4,264	$ 4,160
31908	Y	4/09 ATM A39H Cushng Mem__	250,000	20	4.0%	$ 5,000	$ 22,500	$ 21,500	$ 21,000	$ 20,500	$ 20,000
31918	Y	4/09 ATM A39R McAdms Drn__	105,000	20	4.0%	$ 2,100	$ 9,450	$ 9,030	$ 8,820	$ 8,610	$ 8,400
31929	Z	4/09 ATM A39CC Brck Wl F__	649	10	4.0%	$ 13	$ 91	$ 86	$ 83	$ 80	$ 78
31930	E	4/09 ATM A39DD Network I__	100,535	5	4.0%	$ 2,011	$ 24,128	$ 22,520	$ 21,716	$ 20,911	$ 20,107
31932	W	4/09 ATM A40B Birch Rd W__	38,337,900	40	4.0%	$ 766,758	$ 2,491,964	$ 2,415,288	$ 2,376,950	$ 2,338,612	$ 2,300,274

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Project #			Unissued	Term	4.0%	FY13 Projected Debt Service 0	FY14 Projected Debt Service 1	FY15 Projected Debt Service 2	FY16 Projected Debt Service 3	FY17 Projected Debt Service 4	FY18 Projected Debt Service 5
31936	W	4/09 ATM A40F Pearl Hrbr__	305,000	40	4.0%	$ 6,100	$ 19,825	$ 19,215	$ 18,910	$ 18,605	$ 18,300
31940	W	4/09 ATM A40J Coburn St__	190,000	40	4.0%	$ 3,800	$ 12,350	$ 11,970	$ 11,780	$ 11,590	$ 11,400
31942	F	4/09 ATM A41B 15 Body__	25	1	4.0%	$ 1	$ 26	$ -	$ -	$ -	$ -
31944	F	4/09 ATM A41D East Frm S__	1,840,963	30	4.0%	$ 36,819	$ 135,004	$ 130,095	$ 127,640	$ 125,185	$ 122,731
31952	F	4/09 ATM A41L Lakeview P__	1,600,000	20	4.0%	$ 32,000	$ 144,000	$ 137,600	$ 134,400	$ 131,200	$ 128,000
31953	F	4/09 ATM A41M Coburn St__	650,000	30	4.0%	$ 13,000	$ 47,667	$ 45,933	$ 45,067	$ 44,200	$ 43,333
31959	w	10/09 STM A9 Tech Park Water Improvements	4,600,000	30	4.0%	$ 92,000	$ 337,333	$ 325,067	$ 318,933	$ 312,800	$ 306,667
31957	F	10/09 STM A12 Central St Siphon	1,914,614	20	4.0%	$ 38,292	$ 172,315	$ 164,657	$ 160,828	$ 156,998	$ 153,169
31960	E	5/10 STM A8 Rcyclng Bins	100,500	5	4.0%	$ 2,010	$ 24,120	$ 22,512	$ 21,708	$ 20,904	$ 20,100
32003	E	05/10 ATM A24C REPLACE ENGINE 7 PUMPER	325,000	10	4.0%	$ 6,500	$ 45,500	$ 42,900	$ 41,600	$ 40,300	$ 39,000
32004	Y	05/10 ATM A24D COMPUTERIZE IRRIGATION SYSTEMS	58,627	5	4.0%	$ 1,173	$ 14,070	$ 13,132	$ 12,663	$ 12,194	$ 11,725
32006	E	05/10 ATM A24F PLAYGROUND EQUIP/HANDICAP ACESS II	69,600	15	4.0%	$ 1,392	$ 7,424	$ 7,053	$ 6,867	$ 6,682	$ 6,496
32012	Y	05/10 ATM A24L WICKFORD RD BRIDGE EVALUATION/REH	90,000	5	4.0%	$ 1,800	$ 21,600	$ 20,160	$ 19,440	$ 18,720	$ 18,000
32013	Y	05/10 ATM A24M BEVER DAM BROOK/FARM POND	150,000	30	4.0%	$ 3,000	$ 11,000	$ 10,600	$ 10,400	$ 10,200	$ 10,000
32014	G	05/10 ATM A24N IP PHONE & SECURITY SYST SCHOOL DIST	550,000	5	4.0%	$ 11,000	$ 132,000	$ 123,200	$ 118,800	$ 114,400	$ 110,000
32017	Z	05/10 ATM A24Q BARBIERI ELEMENTARY SCHOOL IMPROV	550,000	20	4.0%	$ 11,000	$ 49,500	$ 47,300	$ 46,200	$ 45,100	$ 44,000
32018	Z	05/10 ATM A24R ADA UPGRADES	32	1	4.0%	$ 1	$ 33	$ -	$ -	$ -	$ -
32021	Y	05/10 ATM A24U MEMORIAL/MAYNARD BLDG IMPROV	489,762	20	4.0%	$ 9,795	$ 44,079	$ 42,120	$ 41,140	$ 40,160	$ 39,181
32022	Y	05/10 ATM A24V MAIN LIBRARY BLDG IMPROV	120,000	20	4.0%	$ 2,400	$ 10,800	$ 10,320	$ 10,080	$ 9,840	$ 9,600
32024	E	05/10 ATM A24X MUNI DATA STORAGE UPGRADE	20	1	4.0%	$ -	$ 21	$ -	$ -	$ -	$ -
32025	W	05/10 ATM A25A N CONCORD ST WTR MN REPLACE	7,242,735	40	4.0%	$ 144,855	$ 470,778	$ 456,292	$ 449,050	$ 441,807	$ 434,564
32026	W	05/10 ATM A25B GRANT & POND ST WTR MAIN REPLACE	6,213,000	40	4.0%	$ 124,260	$ 403,845	$ 391,419	$ 385,206	$ 378,993	$ 372,780
32027	W	05/10 ATM A25C TECHNOLOGY PK PROP ACQUIS FEES	150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
32028	W	05/10 ATM A25D GOODNOW WTR PUMP STATION	1,385,000	30	4.0%	$ 27,700	$ 101,567	$ 97,873	$ 96,027	$ 94,180	$ 92,333
32031	W	05/10 ATM A25G WATER MAIN REPLACE VARIOUS LOCATI	150,000	40	4.0%	$ 3,000	$ 9,750	$ 9,450	$ 9,300	$ 9,150	$ 9,000
32032	F	05/10 ATM A26A GRANT & POND ST SEWER REPLACE	2,978,086	20	4.0%	$ 59,562	$ 268,028	$ 256,115	$ 250,159	$ 244,203	$ 238,247
32033	F	05/10 ATM TECH PARK PROP ACQUIS FEES	150,000	20	4.0%	$ 3,000	$ 13,500	$ 12,900	$ 12,600	$ 12,300	$ 12,000
32036	Z	1/11 STM A2 Stapleton Windows	588,438	30	4.0%	$ 11,769	$ 43,152	$ 41,583	$ 40,798	$ 40,014	$ 39,229
32037	Y	1/11 STM A4 McAulife Brnch Lbry Lnd	710,000	30	4.0%	$ 14,200	$ 52,067	$ 50,173	$ 49,227	$ 48,280	$ 47,333
32101	E	5/11 ATM A31A Replace Ladder 3 Fir	975,000	10	4.0%	$ 19,500	$ 136,500	$ 128,700	$ 124,800	$ 120,900	$ 117,000
32102	E	5/11 ATM A31B Replace Defibrillator	28,545	5	4.0%	$ 571	$ 6,851	$ 6,394	$ 6,166	$ 5,937	$ 5,709
32103	Y	5/11 ATM A31C Multi Hazard Gas Mtrs	25,549	5	4.0%	$ 511	$ 6,132	$ 5,723	$ 5,519	$ 5,314	$ 5,110

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Project #			Unissued	Term	4.0%	FY13 Projected Debt Service 0	FY14 Projected Debt Service 1	FY15 Projected Debt Service 2	FY16 Projected Debt Service 3	FY17 Projected Debt Service 4	FY18 Projected Debt Service 5
32104	Y	5/11 ATM A31D Library Garage Repair	75,000	30	4.0%	$ 1,500	$ 5,500	$ 5,300	$ 5,200	$ 5,100	$ 5,000
32105	Y	5/11 ATM A31E Library Window Replac	95,000	30	4.0%	$ 1,900	$ 6,967	$ 6,713	$ 6,587	$ 6,460	$ 6,333
32107	Y	5/11 ATM A31G Lib Dsgn Handi Ramps	28,671	5	4.0%	$ 573	$ 6,881	$ 6,422	$ 6,193	$ 5,964	$ 5,734
32108	E	5/11 ATM A31H F250 4x4 Reg. Cab.	27,140	5	4.0%	$ 543	$ 6,514	$ 6,079	$ 5,862	$ 5,645	$ 5,428
32110	Y	5/11 ATM A31J Beach Dock Replacem	37,873	15	4.0%	$ 757	$ 4,040	$ 3,838	$ 3,737	$ 3,636	$ 3,535
32111	Y	5/11 ATM A31K Butterworth Phase 1	126,500	15	4.0%	$ 2,530	$ 13,493	$ 12,819	$ 12,481	$ 12,144	$ 11,807
32112	E	5/11 ATM A31L PC Mobile Laptop Re	152,414	5	4.0%	$ 3,048	$ 36,579	$ 34,141	$ 32,921	$ 31,702	$ 30,483
32113	Y	5/11 ATM A31M Inground Fuel Tank	29,562	5	4.0%	$ 591	$ 7,095	$ 6,622	$ 6,385	$ 6,149	$ 5,912
32114	Y	5/11 ATM A31N Stormwater Managemnt	300,000	5	4.0%	$ 6,000	$ 72,000	$ 67,200	$ 64,800	$ 62,400	$ 60,000
32115	E	5/11 ATM A31O Brush Chipper #481	102,000	5	4.0%	$ 2,040	$ 24,480	$ 22,848	$ 22,032	$ 21,216	$ 20,400
32116	E	5/11 ATM A31P 4WD HD Cab & Chassi	42,449	5	4.0%	$ 849	$ 10,188	$ 9,509	$ 9,169	$ 8,829	$ 8,490
32117	E	5/11 ATM A31Q 4WD HD Cab & Chassi	42,449	5	4.0%	$ 849	$ 10,188	$ 9,509	$ 9,169	$ 8,829	$ 8,490
32118	E	5/11 ATM A31R 4WD Cab and Chassis	53,969	5	4.0%	$ 1,079	$ 12,953	$ 12,089	$ 11,657	$ 11,226	$ 10,794
32119	E	5/11 ATM A31S 15,000 GVW 4WD Cab	42,778	5	4.0%	$ 856	$ 10,267	$ 9,582	$ 9,240	$ 8,898	$ 8,556
32120	E	5/11 ATM A31T Heavy Duty 4WD Cab	53,969	5	4.0%	$ 1,079	$ 12,953	$ 12,089	$ 11,657	$ 11,226	$ 10,794
32121	E	5/11 ATM A31U 40,000 GVW Cab & Ch	219,697	5	4.0%	$ 4,394	$ 52,727	$ 49,212	$ 47,455	$ 45,697	$ 43,939
32122	E	5/11 ATM A31V Sidewalk Tractor w/	139,500	5	4.0%	$ 2,790	$ 33,480	$ 31,248	$ 30,132	$ 29,016	$ 27,900
32123	E	5/11 ATM A31W Sidewalk Tractor w/	140,900	5	4.0%	$ 2,818	$ 33,816	$ 31,562	$ 30,434	$ 29,307	$ 28,180
32124	E	5/11 ATM A31X 15,000 GVW 4WD Cab a	64,242	5	4.0%	$ 1,285	$ 15,418	$ 14,390	$ 13,876	$ 13,362	$ 12,848
32125	Y	5/11 ATM A31Y Roadway Improvements	1,693,930	5	4.0%	$ 33,879	$ 406,543	$ 379,440	$ 365,889	$ 352,337	$ 338,786
32126	Y	5/11 ATM A31Z Sidewalk/Accessibili	150,000	5	4.0%	$ 3,000	$ 36,000	$ 33,600	$ 32,400	$ 31,200	$ 30,000
32127	E	5/11 ATM A31AA Front End Loader Mo	85,000	5	4.0%	$ 1,700	$ 20,400	$ 19,040	$ 18,360	$ 17,680	$ 17,000
32128	E	5/11 ATM A31BB 40,000 GVW Cab & Ch	219,697	5	4.0%	$ 4,394	$ 52,727	$ 49,212	$ 47,455	$ 45,697	$ 43,939
32129	E	5/11 ATM A31CC Two (2) Wing Plows	47,360	5	4.0%	$ 947	$ 11,366	$ 10,609	$ 10,230	$ 9,851	$ 9,472
32130	E	5/11 ATM A31DD 78,000 GVW Cab and	241,237	5	4.0%	$ 4,825	$ 57,897	$ 54,037	$ 52,107	$ 50,177	$ 48,247
32132	E	5/11 ATM A31FF Heavy Duty 4WD Cab	42,449	5	4.0%	$ 849	$ 10,188	$ 9,509	$ 9,169	$ 8,829	$ 8,490
32133	G	5/11 ATM A31GG Technology Upgrades	400,000	5	4.0%	$ 8,000	$ 96,000	$ 89,600	$ 86,400	$ 83,200	$ 80,000
32134	Z	5/11 ATM A31HH DDC Energy Conserva	400,000	20	4.0%	$ 8,000	$ 36,000	$ 34,400	$ 33,600	$ 32,800	$ 32,000
32135	Z	5/11 ATM A31II Rooftop AHU's and V	200,000	20	4.0%	$ 4,000	$ 18,000	$ 17,200	$ 16,800	$ 16,400	$ 16,000
32136	Z	5/11 ATM A31JJ ADA Upgrade to Curb	300,000	20	4.0%	$ 6,000	$ 27,000	$ 25,800	$ 25,200	$ 24,600	$ 24,000
32137	Z	5/11 ATM A31KK Paving Replacement	350,000	10	4.0%	$ 7,000	$ 49,000	$ 46,200	$ 44,800	$ 43,400	$ 42,000
32138	Z	5/11 ATM A31LL New Emergency Gener	200,000	5	4.0%	$ 4,000	$ 48,000	$ 44,800	$ 43,200	$ 41,600	$ 40,000

FY2013-2018 Capital Budget

Authorized but Unissued Borrowing Projection

Office of the CFO

Project #			Unissued	Term	4.0%	FY13 Projected Debt Service	FY14 Projected Debt Service	FY15 Projected Debt Service	FY16 Projected Debt Service	FY17 Projected Debt Service	FY18 Projected Debt Service
						0	1	2	3	4	5
32139	Z	5/11 ATM A31MM ADA Compliant Playg	122,000	15	4.0%	$ 2,440	$ 13,013	$ 12,363	$ 12,037	$ 11,712	$ 11,387
32140	Z	5/11 ATM A31NN ADA New Bathroom De	41,115	5	4.0%	$ 822	$ 9,868	$ 9,210	$ 8,881	$ 8,552	$ 8,223
32141	Z	5/11 ATM A31OO Construct Parking L	175,000	10	4.0%	$ 3,500	$ 24,500	$ 23,100	$ 22,400	$ 21,700	$ 21,000
32143	Y	5/11 ATM A31QQ Town Buildings	385,000	10	4.0%	$ 7,700	$ 53,900	$ 50,820	$ 49,280	$ 47,740	$ 46,200
32145	E	5/11 ATM A31SS Munis Financial Sys	67,415	5	4.0%	$ 1,348	$ 16,180	$ 15,101	$ 14,562	$ 14,022	$ 13,483
32146	E	5/11 ATM A31TT Mobile Field Inspec	46,381	5	4.0%	$ 928	$ 11,131	$ 10,389	$ 10,018	$ 9,647	$ 9,276
32147	E	5/11 ATM A31UU Asset Management	52,759	5	4.0%	$ 1,055	$ 12,662	$ 11,818	$ 11,396	$ 10,974	$ 10,552
32152	W	5/11 ATM A32E 40K GWV Dump/Plow#631	219,697	10	4.0%	$ 4,394	$ 30,758	$ 29,000	$ 28,121	$ 27,242	$ 26,364
32153	W	5/11 ATM A32F Downtown Water Utili	2,680,000	40	4.0%	$ 53,600	$ 174,200	$ 168,840	$ 166,160	$ 163,480	$ 160,800
32155	W	5/11 ATM A32H Water Hydrant and Gat	200,000	10	4.0%	$ 4,000	$ 28,000	$ 26,400	$ 25,600	$ 24,800	$ 24,000
32157	W	5/11 ATM A32J Water Main Replaceme	200,000	30	4.0%	$ 4,000	$ 14,667	$ 14,133	$ 13,867	$ 13,600	$ 13,333
32161	F	5/11 ATM A33D Downtown Sewer Utili	1,765,000	30	4.0%	$ 35,300	$ 129,433	$ 124,727	$ 122,373	$ 120,020	$ 117,667
32162	F	5/11 ATM A33E Technology Park Sewe	800,000	30	4.0%	$ 16,000	$ 58,667	$ 56,533	$ 55,467	$ 54,400	$ 53,333
32163	F	5/11 ATM A33F North Framingham Pum	6,310,000	30	4.0%	$ 126,200	$ 462,733	$ 445,907	$ 437,493	$ 429,080	$ 420,667
32165	F	5/11 ATM A33H Irving, Herbert, Lor	390,000	5	4.0%	$ 7,800	$ 93,600	$ 87,360	$ 84,240	$ 81,120	$ 78,000
32166	F	5/11 ATM A33I Sewer Main Replaceme	250,000	30	4.0%	$ 5,000	$ 18,333	$ 17,667	$ 17,333	$ 17,000	$ 16,667
32167	F	5/11 ATM A33J Worcester Road Pumpi	1,925,000	5	4.0%	$ 38,500	$ 462,000	$ 431,200	$ 415,800	$ 400,400	$ 385,000
		General Fund				$ 283,526	$ 2,219,614	$ 2,087,358	$ 2,021,257	$ 1,955,154	$ 1,889,056
		Sewer Enterprise				$ 596,525	$ 2,825,739	$ 2,695,100	$ 2,629,792	$ 2,564,484	$ 2,499,181
		Water Enterprise				$ 1,328,251	$ 4,517,062	$ 4,368,215	$ 4,293,794	$ 4,219,371	$ 4,144,948

Recommend rescinding

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Division Priorities

Pri	Title	Total Cost	Description	Justification	Oper Cost	Fiscal
1	Library Parking Garage Demolition	$316,000	This proposal is an alterative to repairing the Library Parking Garage. Cost of demolition is $316,000, including disposal of materials.	This alternative to investment in the current parking garage proposes to replace the structure with a parking lot containing approximately 65 parking spaces.	$0	2013
2	Library Parking Lot	$424,000	The Library parking lot is needed to replace the parking garage assumed it is demolished in FY'13. An estimate of construction costs is $4,000 per space. Assuming a 65 space parking garage: 53 x $8000 = $424,000.	This size is the minimum amount of parking that the Library is required to provide for zoning code compliance.	$0	2013
3	Library Parking Garage	$481,000	This is the second stage of repairs listed in the Library Parking Garage Stabilization Plan. Work includes: repair of 2nd floor concrete haunches, sealing of deck and joints at top level, repair of deck drains on upper level, caulking of joints, sealing of deck and repair drains at lower level, repair of concrete columns, scarifying and regrading of paving at lower level to add head height, installation of lighting upgrades and painting of new line striping.	This repair work on the parking garage is necessary for public safety. Weather and salt damage have compromised the structure of the garage and caused unsightly and potentially dangerous conditions. The repair work is expected to extend the life of the garage for 10-12 years.	$0	2013
4	Library Handicapped Ramp Construction	$425,000	Construction of accessible entrance on Lexington Street side of Library based on design study.	The Library's handicapped ramps are not in compliance with ADA regulations. Town Meeting members approved funding in spring 2011 for a planning and design study for new accessible entrances. The state Architectural Access Board approved a variance for the Library with a deadline of December 2012 for the construction of new ramps or accessible entrances. The firm of Abacus Architects + Planners have been selected for this project and they will submit a design for both Lexington Street and Pearl Street entrances by December 31, 2011. The construction of these entrances on Lexington Street and Pearl Street will be divided between fiscal years 2013 and 2014. The Lexington Street entrance will be the first project and the estimate for irs construction at this time is $400,000. The design and cost estimate from the architectual firm will be submitted by December 31, 2011.	$0	2013
5	Library Wiring of DDC	$98,950	Wiring of DDC (Direct Digital Controls) to allow temperature and energy control of each space of the building. Will have at least $5,000 in NSTAR rebate for this project. Existing system is pneumatic and will be converted to a digital system.	Current system is ineffective with temperature controls inaccurate. Sensor in each room will allow control of separate spaces eliminating energy waste when areas are not in use. New system will result in savings and increase in comfort for the public.	$0	2013
6	Library HVAC System	$350,000	This service is necessary to upgrade the system.	Current system is antiquated and in need of repair/replacement.	$0	2013
7	Design Study for,Library Renovation	$40,000	Planning study needed to reconfigure space use at Main Library.	After more than thirty years, the traffic flow and use of space in the Main Library building needs to be improved to meet changing needs.The intent is to provide more space for computers, increase comfort and accessibility in all departments, and to satisfy the public need for new services and resources by using the available space more efficiently. Areas of particular concern are the Reference, Young Adult, Periodicals and Circulation departments and exploring the potential of increasing the capacity of the meeting room.	$0	2013
9	Branch Library	$8,600,000	Construction of a new McAuliffe Branch Library in	Constructed in 1963, the branch library was designed to accommodate 16,500 volumes. The current collection of	$0	2014

	Replacement		Water Street area. A Library Building feasibility study was completed in September 2010 that concluded that a new facility of 17.000 sq. ft. would be needed to serve the current and future needs for the library.	68,865 books and audiovisual items exceeds the building's capacity. Among problems with the current facility are several significant ones: the lack of meeting space for library and community programs, no young adult area for study and gathering, the lack of space for Americans with disabilities to have access to the contents of the Library, and the lack of space for public access computer stations. The existing McAuliffe Branch Library building does not meet current national standards for library service resources. The need for replacement or expansion is clear. In addition to town revenues needed of $3.8 million, funding sources include: a Massachusetts Board of Library Commissioners (MBLC) library construction grant of $4.2 million and potential revenue from a fund raising campaign of $600,000. The MBLC grant is disbursed as follows: 30% when the contract is signed, 30% when the project begins, and 30% when the project is complete. The final 10% is released when a certificate of occupancy is issued for the new library building. Framingham is currently on the waiting list for the construction grant. The MBLC has stated that the Library may come up for the grant in FY'14.		
10	Library Pearl St. Handicapped Ramp	$425,000	Construction of a handicapped ramp on the Pearl St. side of the library based on design study.	The Pearl Street handicapped ramp is not in compliance with ADA regulations. This ramp has a steep incline and brick sides that compromise safety of users. Town Meeting members approved funding in spring 2011 for a planning and design study for new accessible entrances.The state Architectural Access Board approved a variance with a deadline of December 2012 for the Library construction of new ramps or accessible entrances. The firm of Abacus Architects + Planners was selected and they will submit a design by December 31, 2011.	$0	2014
11	Library Reference and Young Adult Department Renovation	$100,000	Reference and Young Adult Department renovation will include new reference desk and lowering of reference shelving to provide handicapped access. The computer area will increase in size to allow more computer workstations and eliminate que for computer usage. New wiring is necessary for the added computers, carpet would need replacement for areas left exposed when furniture is moved, updated and additional computers and workstations would be purchased. A homework center with computer workstations, tables for group study and a comfortable sitting area would be created for young adults.	To allow more computer workstations for the public and provide handicapped access. To also provide young adults with an expanded area for gathering and a place for group study. Present area does not provide enough space for young adults and their need for computers often conflicts with usage by adults. Tutors need a quiet place to work with students individually that is adjacent to reference materials and online databases for research.	$0	2015
12	McAuliffe Branch Library Phase II HVAC and Interior Renovations	$422,000	To compliment recent installation of new boiler, install a new air-handler and ductwork. Install new fan-coil units and piping in the wings of the building. Temporary removal of old wooden shelving on the north and south ends of the building to install new insualtion. Replace flooring, improve or replace built in furnishings to enhance work flow, ergonomics, and ADA compliance. Remove wooden shelving and replace with steel shelving.	The installation of a new energy efficient boiler was completed in the fall of 2009. This improvement has substantially increased efficiencies and comfort for patrons and staff in addition to eliminating constant and costly repairs to this component of a 46 year-old heating system. In order to further increase efficiencies, and reduce costly and increasingly difficult repairs, it has been recommended that a new air-handler, complete with ductwork be installed. Additionally, that new fan-coil units be located in the wings of the building. These new units will provide heat to public spaces that have not been properly temperature controlled since the radiant floor heating system became inoperable many years ago. The installation of the fan-coil units and piping will necessitate the temporary removal of old wooden shelving on the north and south ends of the building. This will provide an opportunity to properly insulate these walls creating additional energy savings. As carpeting will have to be disturbed during this work, this presents a favorable opportunity to replace worn-out	$0	2015

				flooring. Built in furnishings, such as the public circulation desk, will be impacted by new flooring, therefore creating a favorable opportunity to correct issues such as work flow, ergonomics, and most importantly ADA compliancy. The wooden shelving will be replaced with steel shelving that will provide years of quality service.		
13	Main Library Interior Renovation	$200,000	Furniture for all levels of the Main Library. Comfortable seating, accessible circulation and reference desks. All of the walls of the Library need new paint. This cost includes construction and specialized furniture/shelving for open reserves.	Most of the furniture in the Main Library is over twenty years old. Many of the fabric chairs are original to the 1979 building. In a facility that is used by hundreds of thousands of people each year, there is stained and dirty furniture on all floors of the Library. The Library can offer little comfortable seating for the public that is attractive and inviting. The walls are dingy and dirty and do not present this heavily used Library and the Town in a favorable light.	$0	2016
14	Remove Underground Diesel Fuel Tank	$100,000	Remove underground diesel fuel tank for emergency generator and convert to gas.	Environmental hazard. Energy savings with conversion to gas.	$0	2016
15	RFID and Self-checkout	$284,500	This project is for a self-service, automated materials handling system for both the Main Library and McAuliffe Branch Library. During the course of the year, the Library handles almost 2 million transactions.That volume of work requires four or five library staff to be assigned to the check-in and check-out station at any given time. This process can be time-consuming and cumbersome, drawing on staff time and resources. This system provides both automated check-out and check-in technology. With an automated check-in system, library users would be able to follow instructions on a touch-screen monitor and scan their items at a check-in station. Once the materials are scanned, they would be placed on a conveyor belt that would transport the items to the backroom, where materials are sorted by tag or barcode and ready for re-shelving.	There are manifold reasons for implementing this project: • Public Service. RFID allows much faster handling of items by both library staff and patrons. Multiple items can be recognized at once, instead of the slower one-at-a-time barcode scanning process we use today. This will speed up any patron transaction that involves a book (DVDs may be an exception). Self Checkout allows the patron to check out materials without any interaction with staff. If there's a line at the Circulation desk or staff is busy with other tasks, self checkout will be faster. Furthermore, self checkout affords privacy to patrons who may be anxious about exposing the subjects of the items they're checking out. Open Reserves is an optional component of Self Checkout. It allows patrons to pick up "held" items without asking staff, which, again, can help expedite patron transactions. Another security advantage of RFID is that when a sensitized item crosses a security gate, staff will instantly be informed of the offending title, which should expedite resolution. • Staff loading. Just as RFID and self checkout speed up patron transactions, so too will it reduce load on the staff. Both check-in and check-out processes will go faster, and each patron who opts for self checkout is one less patron that the staff needs to serve. Without this project, as staffing levels decline over time, a higher percentage of staff time is required for dealing with the core logistics of patron check-out and check-in. Thus, there are fewer and fewer opportunities for staff to work on other beneficial but less urgent tasks, which results in a slow deterioration of services. • Inventory. Using RFID wands, shelf-reading becomes dramatically faster. • Trends. The proportion of libraries adopting RFID and self checkout is going to increase over time. It is virtually inevitable that FPL will need to adopt these new paradigms, because it will come to be what patrons expect. The components of this project include: 1. Inserting RFID tags into library materials. Converting all existing materials to RFID will take considerable manual labor. 2. Determining how to handle paid DVD and Video rentals, which do not easily lend themselves to self checkout. 3. Adding RFID security gates. 4. Buying RFID equipment to sense the tags and process them, both at staff desks and self checkout kiosks. 5. Buying software licenses for self checkout stations and RFID control and gates	$0	2017

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Capital Budget Request FY 2013

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Request Title	Department	Priority
Library Parking Garage Demoliltion	Library	1
Category	Division	Priority
Building	Elected Boards	1

Type	Submitter
Improvement	Jeanne Kelley
Status	Submitter Title
Submit	Library Director

Request Description
This proposal is an alterative to repairing the Library Parking Garage. Cost of demolition is $316,000, including disposal of materials.

Request Justification
This alternative to investment in the current parking garage proposes to replace the structure with a parking lot containing approximately 65 parking spaces.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$316,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$316,000

Proposed Funding Sources	Amount
General Fund	$316,000
	$0
	$0
	$0
	$316,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 12/9/2011

September 21st, 2011

10 Colonial Road, Unit 4
Salem, Ma 01970

Attn: Doug Goddard
Re: Library garage demolition

Doug,
Please find the budget pricing for the removal of the Library garage.
This price will include

- All Permits
- Dig safe procedures
- Plumbing Drainage capping
- Electrical removal and disconnecting scheduling
- Any details required during demolition
- Fencing the area during construction
- Cranes services are included
- All necessary equipment for demolition
- All trucking included
- All labor and material for dismantling the entire garage
- Parking lot clean-up broom finish
- No asphalt repairs at this time
- All bond costs included

Total project price $316,680.00

Sincerely;

Daniel Tremblay
Roger Tremblay Contracting

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Request Title	Department	Priority
Library Parking Lot	Library	2
Category	Division	Priority
Building	Elected Boards	2

Type	Submitter
Replacement	Jeanne Kelley
Status	Submitter Title
Submit	Library Director

Request Description
The Library parking lot is needed to replace the parking garage assumed it is demolished in FY'13. An estimate of construction costs is $4,000 per space. Assuming a 65 space parking garage: 53 x $8000 = $424,000.

Request Justification
This size is the minimum amount of parking that the Library is required to provide for zoning code compliance.

Basis for Estimated Cost
Other
Estimated Costs
$424,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$424,000

Proposed Funding Sources	Amount
General Fund	$424,000
	$0
	$0
	$0
	$424,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 12/9/2011

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Capital Budget Request FY 2013

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Request Title	Department	Priority
Library Parking Garage	Library	3
Category	Division	Priority
Building	Elected Boards	3

Type	Submitter
Improvement	Jeanne Kelley
Status	Submitter Title
Submit	Library Director

Request Description
This is the second stage of repairs listed in the Library Parking Garage Stabilization Plan. Work includes: repair of 2nd floor concrete haunches, sealing of deck and joints at top level, repair of deck drains on upper level, caulking of joints, sealing of deck and repair drains at lower level, repair of concrete columns, scarifying and regrading of paving at lower level to add head height, installation of lighting upgrades and painting of new line striping.

Request Justification
This repair work on the parking garage is necessary for public safety. Weather and salt damage have compromised the structure of the garage and caused unsightly and potentially dangerous conditions. The repair work is expected to extend the life of the garage for 10-12 years.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$481,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$481,000

Proposed Funding Sources	Amount
General Fund	$481,000
	$0
	$0
	$0
	$481,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 12/9/2011

Framingham Public Library Parking Garage Long Term Cost Plan

Ongoing Repairs- 2022	**Estimated Cost**	**Expected Date of Repair**	**Annual Total**
Item			
1. Repair Ramps	$40,000.00	Aug., 2022	
2. Remove Rust From Rebar and Patch w/ Modified Concrete	$45,000.00	Aug.,2022	
3. Line Stripe Garage	$30,000.00	Aug.,2022	
4. upper deck concrete repairs	$20,000.00	Aug.,2022	
5. Repair garage drains-Plumbing repair	$20,000.00	Aug., 2022	
5. Deck Waterproofing-Upper Deck	$40,000.00	Aug.,2022	$195,000
4. Seal Deck and Joints at top of Garage Building	$50,000.00	Aug.,2023	
5.Repair Deck Drains- Upper Level	$25,000.00	Aug.,2023	
6. Repair Damaged Concrete Ramps in Garage- Apply Sealant	$45,000.00	Aug.,2023	
7. Caulk Joints and seal lower deck	$50,000.00	Aug., 2023	
8. Repair Drains at Lower Level	$45,000.00	Aug., 2023	
10. Lower level paving repairs	$25,000.00	Aug., 2023	
11. Install Lighting upgrades	$10,000.00	Aug., 2023	
		Aug., 2023	$250,000.00
Estimated Total	$445,000.00		
Contingency- 10%	$36,000.00		
Grand Total of Repair Cost	**$481,000.00**		
1. Note: Snow removal is required in winter from upper deck for structural reasons.the cost of snow removal should be estimated and built into the cost of maintaining the Library Garage.	$12-15,000	Annual Cost	

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Request Title	Department	Priority
Library Handicapped Ramp Construction	Library	4
Category	Division	Priority
Building	Elected Boards	4

Type	Submitter
Improvement	Jeanne Kelley
Status	Submitter Title
Submit	Library Director

Request Description
Construction of accessible entrance on Lexington Street side of Library based on design study.

Request Justification
The Library's handicapped ramps are not in compliance with ADA regulations. Town Meeting members approved funding in spring 2011 for a planning and design study for new accessible entrances. The state Architectural Access Board approved a variance for the Library with a deadline of December 2012 for the construction of new ramps or accessible entrances. The firm of Abacus Architects + Planners have been selected for this project and they will submit a design for both Lexington Street and Pearl Street entrances by December 31, 2011. The construction of these entrances on Lexington Street and Pearl Street will be divided between fiscal years 2013 and 2014. The Lexington Street entrance will be the first project and the estimate for irs construction at this time is $400,000. The design and cost estimate from the architectual firm will be submitted by December 31, 2011.

Basis for Estimated Cost
Other
Estimated Costs
$425,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$425,000

Proposed Funding Sources	Amount
General Fund	$425,000
	$0
	$0
	$0
	$425,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 12/9/2011

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Capital Budget Request FY 2013

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Request Title	Department	Priority
Library Wiring of DDC	Library	5
Category	Division	Priority
Building	Elected Boards	5

Type	Submitter
Improvement	Jeanne Kelley
Status	Submitter Title
Submit	Acting Library Director

Request Description
Wiring of DDC (Direct Digital Controls) to allow temperature and energy control of each space of the building. Will have at least $5,000 in NSTAR rebate for this project. Existing system is pneumatic and will be converted to a digital system.

Request Justification
Current system is ineffective with temperature controls inaccurate. Sensor in each room will allow control of separate spaces eliminating energy waste when areas are not in use. New system will result in savings and increase in comfort for the public.

Basis for Estimated Cost
Other
Estimated Costs
$98,950 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$98,950

Proposed Funding Sources	Amount
General Fund	$98,950
	$0
	$0
	$0
	$98,950

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
to be determined

Printed 12/9/2011

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Capital Budget Request FY 2013

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Request Title	Department	Priority
Library HVAC System	Library	6
Category	Division	Priority
Building	Elected Boards	6

Type	Submitter
Improvement	Jeanne Kelley
Status	Submitter Title
Submit	Library Director

Request Description
This service is necessary to upgrade the system.

Request Justification
Current system is antiquated and in need of repair/replacement.

Basis for Estimated Cost
Other
Estimated Costs
$350,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$350,000

Proposed Funding Sources	Amount
General Fund	$350,000
	$0
	$0
	$0
	$350,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
To be determined

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Request Title	Department	Priority
Design Study for Library Renovation	Library	7
Category	Division	Priority
Building	Elected Boards	7

Type	Submitter
Improvement	Jeanne Kelley
Status	Submitter Title
Submit	Library Director

Request Description
Planning study needed to reconfigure space use at Main Library.

Request Justification
After more than thirty years, the traffic flow and use of space in the Main Library building needs to be improved to meet changing needs.The intent is to provide more space for computers, increase comfort and accessibility in all departments, and to satisfy the public need for new services and resources by using the available space more efficiently. Areas of particular concern are the Reference, Young Adult, Periodicals and Circulation departments and exploring the potential of increasing the capacity of the meeting room.

Basis for Estimated Cost
Previous Purchase
Estimated Costs
$40,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$40,000

Proposed Funding Sources	Amount
General Fund	$40,000
	$0
	$0
	$0
	$40,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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Division Priorities

Pri	Title	Total Cost	Description	Justification	Oper Cost	Fiscal
1	Replace Engine 1	$550,000	Replace Engine 1 with appurtenances, E1 is a 1999 Pierce Quantum pumper.	Engine 1 was manufactured in 1999 and currently has over 73,000 miles, it will be over 12 years old in FY 2013. Engine 1 is stationed at 1055 Worcester Road and covers a large area of Town. This piece of equipment will be utilized as a spare pumper for a short period of time. NFPA standards suggest pumper apparatus should not exceed a life of 10-15 years of normal use.	$0	2013
2	Replace Aerial Bucket Truck	$192,000	Upgrade the Director of Fire Alarm and Signal Division's aerial bucket truck.	The Fire Alarm Division is responsible for the installation and general maintenance of traffic signals, controls, aerial and underground cable, the municipal fire alarm system, master boxes, and street boxes. He must also respond 24/7 to all emergencies involving fire dispatch, communications, cabling, master boxes, alarm circuits and traffic signal problems. This vehicle has material lifting capabilities and will greatly improve divisional efficiency and effectiveness.	$0	2013
3	New Chief Cruiser	$38,792	Replace Car 1, the Fire Chief's vehicle.	The Fire Chief is responsible for all incident emergencies and must respond. He is on call 24/7 as he represents the Town of Framingham. His current vehicle will be transferred to a non-emergency response position and will remain in service. The new vehicle will be equipped with a command console and serve as a Command Post during incidents.	$0	2013
4	Replace Facilities Pick-Up	$46,385	Replace the Director of Facilities pickup truck.	Replacement of this 1995 Dodge truck is needed, in Fiscal Year 2013 this vehicle will be 17 years old. The Director is responsible for plowing all stations, delivery of goods, towing our portable trailers and all maintenance and upkeep of 5 Fire Stations and apparatus. The old vehicle has far outlived its useful life.	$0	2013
5	Replace Generator Station 5	$28,500	Replace emergency generator at Station 5, 520 Concord Street.	The generator at Station 5 is approximately 17 years old and in need of replacement. This generator does not meet current standards. This generator is essential to the proper functioning of Station 5, during emergency conditions which is staffed and in use 24/7.	$0	2013
6	Traffic Signal Group Re-Lamp	$320,000	Replace LED lights in all traffic signals.	The LED in the Town's traffic signals will be over ten years old and have exceeded their life expectancy. A group re-lamping is a cost effective replacement method. The upgraded LEDs will be more energy efficient.	$6,000	2013
7	Replace Engine 7	$565,000	Replace Engine 7.	Engine 7 (E7) was replaced in 2010 as the result of a tragic accident; most of the original replacement costs were covered by insurance. The current E7 is a program vehicle purchased as an emergency replacement in addition to augmenting our aging fleet. E7's coverage area is unique as this area still has portions which have no municipal water supply. The current unit will become a viable spare as it was designed to fit in all our stations, allowing us to improve our preventative maintenance program.	$0	2014
8	Replace Signal Division Pick Up	$65,000	Replace the Director of Fire Alarm and Signal Division's pickup truck.	Upgrade and replace, old unit will remain as spare.	$1,000	2014
9	Upgrade Fire Alarm/Signal Cable Concord Street South	$193,000	Replace Fire Alarm and Signal Communication Cable running along Concord Street.	The Town's Fire Alarm and Signal Cable carries communications throughout Framingham. These communications include run response information, alarm signals and radio transmissions. The current cable is beginning to fail and needs replacement.	$0	2014
10	Replace Station 2	$5,000,000	Replacement of Station 2, 2 Watson Place.	Station 2 is one of the Town's oldest operating buildings and has protected the residents of Saxonville for well over 100 years. The facility has not undergone any major renovations in its history. In 2006 we replaced the roof and now must continue to repair water damage to the structure.	$6,000	2014
11	Replace Platform 1	$1,000,000	Replace Platform 1.	Replacement of Platform 1 will be required as part of the Department's apparatus replacement program. This vehicle will remain as a spare apparatus. Based on construction time this vehicle will be approximately 12 years old when repalced.	$0	2015
12	Technology	$200,000	Replace Mobile Data	In 2009 the Department upgraded to wireless on-scene	$0	2015

	Upgrades		wireless computers and infrastructure.	information and command systems. In FY 2015 some of this equipment will have surpassed its expected useful life and need upgrading or replacement. This includes radio equipment, mobile computers in the apparatus and technology throughout the five fire stations.		
13	Replace Facilities Mobile Repair Apparatus	$76,000	Replace mechanic's mobile repair truck.	This truck is used by the mechanics to perform mobile repair work to the department's apparatus and buildings. It is essential to keep the apparatus in service and available to respond to all emergencies. This vehicle also responds to incidents in support of emergency operations.	$2,000	2015
14	Phase 1 - Protective Clothing Replacement	$80,000	First phase of personal protective clothing replacement.	A firefighter's protective clothing has a useful life span of 5-10 years. In 2011 the department purchased new Turn-Out gear for all its members. This phased project would allow us to strategically replace a members aging protective clothing.	$0	2016
15	Replace Engine 5	$575,000	Replace Engine 5.	Engine 5 is located at Station 5, 520 Concord Street. It is one of our most productive and busy apparatus. In fiscal year 2016 Engine 5 will need to be replaced in accordance with the departmental long term plan.	$0	2016
16	Replace Fire Headquarters' Generator	$50,000	Replace emergency generator at Fire HQ.	In FY2017 the generator at 10 Loring Drive will be over 20 years old. This facility houses Fire Administration, response personnel, mechanics, facilities support, training and the Town's secondary Emergency Operating Center.	$0	2016
17	Phase 2 - Protective Clothing Replacement	$80,000	Second phase of protective clothing replacement.	A firefighter's protective clothing has a useful life span of 5-10 years. In 2011 the department purchased new Turn-Out gear for all its members. This phased project would allow us to strategically replace a members aging protective clothing.	$0	2017
18	Fire Prevention Arson Unit	$55,363	Design a Fire Prevention Arson Unit investigation vehicle, meeting the needs of a modern Fire Department.	A fire scene investigation continually becomes more sophisticated and technologically advanced. A specialty unit will be needed to assist the inspectors.	$0	2017
19	Replace Shift Commander Car	$38,987	Replace Car 2.	Car 2 is utilized by the Shift Deputy Chief and in service 24/7. In FY17 it will have surpassed its useful life as a front line response cruiser. This unit will stay in service and replace an older fire prevention car in our fleet.	$0	2017
20	Phase 3 - Protective Clothing Replacement	$80,000	Third phase of personal protective clothing replacement.	A firefighter's protective clothing has a useful life span of 5-10 years. In 2011 the department purchased new Turn-Out gear for all its members. This phased project would allow us to strategically replace a members aging protective clothing.	$0	2018
21	Communications Upgrade	$250,000	Upgrade departmental communications equipment.	Due to enhancements in technology, upgrade and replacement of older components will be necessary. This will include upgrades or replacement at over twenty communication sites in town.	$0	2018

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Replace Engine 1	Fire	1
Category	Division	Priority
Equipment (Rolling)	Fire	1

Type	Submitter
Replacement	John C Magri
Status	Submitter Title
Submit	Assistant Fire Chief

Request Description
Replace Engine 1 with appurtenances, E1 is a 1999 Pierce Quantum pumper.

Request Justification
Engine 1 was manufactured in 1999 and currently has over 73,000 miles, it will be over 12 years old in FY 2013. Engine 1 is stationed at 1055 Worcester Road and covers a large area of Town. This piece of equipment will be utilized as a spare pumper for a short period of time. NFPA standards suggest pumper apparatus should not exceed a life of 10-15 years of normal use.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$550,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$550,000

Proposed Funding Sources	Amount
General Fund	$550,000
	$0
	$0
	$0
	$550,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
Replacement would eliminate continual repair costs.

Printed 12/9/2011

Minuteman Fire & Rescue Apparatus, Inc.

2181 Providence Hwy. * Walpole, MA 02081
508.668.3112 * www.MinutemanTrucks.com * 800.225.4808

October, 25 2011

Assistant Chief John C. Margri
Framingham Fire Department
10 Loring Drive
Framingham, Massachusetts 01702

Dear Chief Margri:

I have duplicated your previous Pierce Arrow XT® Pumper shop order # 21406 for the purpose of budgetary pricing.

At the present time the cost for this apparatus built as previously specified would be approximately $540,000.00 to 550,000.00. This price would be valid until April of 2012. This price does not reflect any changes that may be made which may increase or decrease the total acquisition cost. The budgetary cost also does not include any changes that may be made due to NFPA 1901, FMVSS or DOT requirements.

We thank you for your interest in Pierce® apparatus and look forward to working with your Department as this project progresses.

Cordially,

Jeffrey P. Fournier

Jeffrey P. Fournier

Be Ready. Be Sure. MEDTEC

Pierce. We Build Confidence.

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Replace Aerial Bucket Truck	Fire	2
Category	Division	Priority
Equipment (Rolling)	Fire	2

Type	Submitter
New	John C Magri
Status	Submitter Title
Submit	Assistant Fire Chief

Request Description
Upgrade the Director of Fire Alarm and Signal Division's aerial bucket truck.

Request Justification
The Fire Alarm Division is responsible for the installation and general maintenance of traffic signals, controls, aerial and underground cable, the municipal fire alarm system, master boxes, and street boxes. He must also respond 24/7 to all emergencies involving fire dispatch, communications, cabling, master boxes, alarm circuits and traffic signal problems. This vehicle has material lifting capabilities and will greatly improve divisional efficiency and effectiveness.

Basis for Estimated Cost
Appraisal
Estimated Costs
$192,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$192,000

Proposed Funding Sources	Amount
General Fund	$192,000
	$0
	$0
	$0
	$192,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
A savings to the current operating budget will be realized due to increasing repair and maintenance costs.

Printed 12/9/2011

MHQ

VEHICLES ■ EQUIPMENT ■ GEAR

October 24, 2011

City of Framingham
Fire Department attn: Ken Cassidy

Specification for new signal/alarm truck with aerial

Chassis: 2013 truck chassis
250 hp diesel engine and automatic transmission, power windows and door locks. 102" cab to axle, dual rear wheels, air brakes, air conditioning, heavy duty alternator, split bench seat 33,000 GVWR

Aerial lift articulated telescopic design with fiberglass inner boom and having a working height of 46'and horizontal reach of 36'.
Single end hung basket 24"X30"X42"deep with 50kv liner
180 degree basket rotator, joystick style upper controls.
Engine start/stop, two speed throttle control, and emergency power control
Fiberglass inner boom has insulation rating of 46KV or under
Hydraulic basket leveling and hydraulic tool power with quick connect fittings; [1] hydraulic impact drill and [1] hand held hydraulic chain saw with hang on scabbard; [2] 6' hose sections
Hydraulic power provided by PTO pump with 8 gpm @ 2250 psi
A jib and winch assy which can be operated from the upper and lower controls
Truck chassis will have torsion bar for stability and auxiliary "H" frame outriggers which must be deployed when jib is to be utilized
No manufacture graphics on booms//outer boom to have Framingham Fire logo on both sides

Aerial line body
96" wide and 150" long with 18" deep X 48" high compartments//all LED lights
Non slip grip strut steel on compartment tops; stainless steel paddle handle latches with electric locks wire to truck door lock. All compartment doors have steel rod with spring stops
Floor is 58" wide and is tread plate steel.
Street side compartment layout
#1 Three fixed shelves
#2&3 Single compartment with double opposed opening doors [leave open for tool chest]
36" Tool chest for double compartment; [3] 3" drawers' [3] 5" drawers, [1] 7" drawer
#4 Horizontal over wheel well with fixed tray with dividers
#5 Three adjustable shelves
Curb side compartment layout
#1 one fixed shelf at top for inverter installation and three adjustable shelves below
#2&3 converted to stair well with hand rails for bed access. Anti back up gate at top of stairs
#4 Horizontal with flip up door with gas shock and roll out try with dividers
#5 open and vented with 7 swivel "J" hooks for rope and chain storage
30" rear tail shelf with grip strut surface; slide in pressure treated tail board rear and stairwell
Possum box from back end to stairwell [approx 107"] with one divider and drop down door

MHQ Truck Equipment
409 Hartford Pike • Shrewsbury, MA 01545
PHONE (508) 842-0866 • FAX (508) 842-3309

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR

Specialty Equipment

Mobil radio preset to City of Framingham frequencies
3000 watt inverter mounted in first curb side compartment with outlet box on tail shelf
Retracting cable reel mounted to side of outer boom for intended 120v power usage at basket
One inch receiver tube with removable 4" bench vise at left rear of tail shelf
Opticom traffic controller in cab
Streamlight LED flashlight with charger/holder in truck cab
[2] pole mounted LED spotlights mounted to fronts of body compartments
Go-Lite remote control spotlight mounted on cab roof driver's side
[4] flashing LED strobe lights mounted in front grill
[4] clear LED scene lights; two recessed over wheel wells, two surface mounted on hood assy
[4] flashing LED strobe lights mounted recessed in rear of body//blue and white on left side
red and white on right side
All truck lettering and graphics to be gold leaf
Body and aerial painted red in the same color code as the chassis

Estimated budget price $192,333.000

Completion of unit will be 20-25 weeks after order.

Sincerely yours

Jim Hutchinson
Specialty Equipment Consultant
MHQ Truck Equipment
Rt 20 Shrewsbury Ma 01545

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
New Chief Cruiser	Fire	3
Category	Division	Priority
Equipment (Rolling)	Fire	3

Type	Submitter
Replacement	John C Magri
Status	Submitter Title
Submit	Assistant Fire Chief

Request Description
Replace Car 1, the Fire Chief's vehicle.

Request Justification
The Fire Chief is responsible for all incident emergencies and must respond. He is on call 24/7 as he represents the Town of Framingham. His current vehicle will be transferred to a non-emergency response position and will remain in service. The new vehicle will be equipped with a command console and serve as a Command Post during incidents.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$38,792 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$38,792

Proposed Funding Sources	Amount
General Fund	$38,792
	$0
	$0
	$0
	$38,792

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
No estimated impact on operating budget.

Printed 12/9/2011

MHQ
VEHICLES & EQUIPMENT & WEAR
401 Elm Street
Marlborough, MA 01752

October 20, 2011

Town of Framingham
Fire Department

Attn : Ken Cassidy

Please find below a quote for a Ford Expedition per the Greater Boston Police Council Cooperative Contract. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract items must be procured under M.G.L. c. 30B.

Item#	2011 Ford Expedition SSV per contract spec.	$24,340.00
	Estimated 2012 model increase	$1,217.00
	Four wheel dive	$ 3,495.00
	Class III H/D trailer towing package	395.00
	Running Boards	435.00
	Color : Black	included
	SSV package - cloth buckets, rear vinyl bench	included
	5.4 liter V/8 engine	included
	6 speed automatic transmission	included
	High capacity front & rear A/C & heat	included
	Whelen Inner Edge visor LEDs no take downs - red	995.00
	Motorola XTL-2500 UHF radio	2,695.00
	Whelen Cencom digital siren/controller	625.00
	Federal MS-100 siren speaker	195.00
	Havis Shield C-2400 console	395.00
	Arm rest on console	105.00
	(2) front & (4) rear hide away LED's - red/clear/red	900.00
	(4) Whelen Ion series grill LED's - red / clear	450.00
	Whelen Dominator - D-8 rear window LEDs - red	550.00
	Magnum 12" rear Truck Vault	1,995.00
	Streamlight LED flashlight in rear compartment	130.00
	delete lettering	(125.00)
Total Contract Price:		**$38,792.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Replace Facilities Pick-Up	Fire	4
Category	Division	Priority
Equipment (Rolling)	Fire	4

Type	Submitter
Replacement	John C. Magri
Status	Submitter Title
Submit	Assistant Fire Chief

Request Description
Replace the Director of Facilities pickup truck.

Request Justification
Replacement of this 1995 Dodge truck is needed, in Fiscal Year 2013 this vehicle will be 17 years old. The Director is responsible for plowing all stations, delivery of goods, towing our portable trailers and all maintenance and upkeep of 5 Fire Stations and apparatus. The old vehicle has far outlived its useful life.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$46,385 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$46,385

Proposed Funding Sources	Amount
General Fund	$46,385
	$0
	$0
	$0
	$46,385

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
Replacement would save approximately $1500 over the next 3-5 years on maintenance.

Printed 12/9/2011

MHQ
VEHICLES & EQUIPMENT & GEAR
401 Elm Street
Marlborough, MA 01752

October 20, 2011

Town of Framingham
Fire Department

Attn : Ken Cassidy

Please find below a quote for a Ford F350 per the Greater Boston Police CouncilCooperative Contract. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract items must be procured under M.G.L. c. 30B.

Item#		
	2011 Ford F350 pickup per contract spec.	$20,211.00
	Estimated 2012 model increase	$1,213.00
	Four wheel drive	$4,795.00
	6.7 liter Power Stroke diesel engine	$7,395.00
	6 speed Automatic transmission	included
	10,000 lb GVWR	included
	Color :Ford (F1) Red	included
	40/40/40 vinyl bench seat	included
	Snow plow prep package	included
	Air conditioning	included
	Class III receiver hitch	included
	Tilt steering wheel	included
	(5) all terrain tires	$145.00
	Electronic shift on the fly	$176.00
	Cab steps	$325.00
	Power windows, door locks & heated mirrors	$795.00
	Chrome bumpers	$195.00
	(2) front & (4) rear hide away LED's - red/clear / red	$900.00

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR
401 Elm Street
Marlborough, MA 01752

Radio communications console	$395.00
Whelen Cencom siren/controller	$625.00
Federal ES-100 siren speaker	$195.00
Motorola XTL-2500 UHF radio	$2,695.00
Rhino Liner	$490.00
8' Fisher Minute Mount snow plow	$4,995.00
8' Fisher cutting edge	$245.00
Custom Graphics	$595.00
Total Contract Price:	**$46,385.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Replace Generator Station 5	Fire	5
Category	Division	Priority
Equipment (Non-Rolling)	Fire	5

Type	Submitter
Replacement	John C Magri
Status	Submitter Title
Submit	Assistant Fire Chief

Request Description
Replace emergency generator at Station 5, 520 Concord Street.

Request Justification
The generator at Station 5 is approximately 17 years old and in need of replacement. This generator does not meet current standards. This generator is essential to the proper functioning of Station 5, during emergency conditions which is staffed and in use 24/7.

Basis for Estimated Cost
Appraisal
Estimated Costs
$28,500 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$28,500

Proposed Funding Sources	Amount
General Fund	$28,500
	$0
	$0
	$0
	$28,500

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
A savings to the current operating budget will be realized due to increasing repair and maintenance costs.

Printed 12/9/2011

Town of Framingham, Massachusetts 01702

Fire Department Headquarters

Gary T Daugherty
Chief

10 Loring Drive
TEL: (508) 532-5930
FAX: (508) 620-4946

Capital Project Description

Fiscal Year 2013

Fifth Priority – Station 5 Generator install

The quote is for the generator delivered on site. Off-loading and installation will be separate. Current estimates to perform these tasks are approximately $9,000.00, we continue to research installation. This may be conducted by local laborers at a lesser rate.

POWER PRODUCTS, L.L.C.
WAKEFIELD MASS
781-287-7304

DATE: October 24, 2011

TO: Framingham Fire Dept

ATTN: Wayne Bolduc

FROM: Eric Dearstyne

QUOTE: #41061

SUBJECT: Kohler Generator Model 50REZGB
STATION #5 REPLACEMENT

We are pleased to quote the following equipment for this project.
Quantity (1) one, Natural Gas fueled generator set, Kohler Model #50REZG, standby rated 50KW, 50KVA, 208 amps@ 120/240 volt, single phase, 60HZ, with the following.

- EPA CERTIFIED, 6 cylinder, General Motors, engine
- Unit mounted radiator with 120 volt, engine block heater
- Steel sound housing with internal silencer (68 dbA @ 23 feet)
- ADDITIONAL MASS DEP MANDATED CATALYTIC CONVERTER
- NFPA 110, level I, Kohler "DEC-3000" controller
- NFPA level I remote annunciator panel
- 12 volt battery with rack and cables
- Loose, 12 volt, 10 amp, float/equalize charger with alarms
- Integral vibration isolation
- Main line circuit breaker rated 200 amps
- KOHLER 225 amp, auto transfer switch (NEMA 1)
- Freight to job site (unloading/crane/rigging is by others)
- One set O&M manuals
- Power Products will provide a Kohler factory, one year warranty if applicable, per warranty parchment attached
- Start up with available building load

PURCHASE INFORMATION:
Price:.....$19,500.00 delivered, plus tax if applicable
(Exempt Certificate required if non taxable.)
Terms: Net 30 from invoice pending credit approval.

(CONTINUED ON PAGE 2)

Current delivery based on manufacturers' estimate: 7-9 weeks after release to production. As this is an "estimate", and from time to time, manufacturer's current production schedules change, Power Products will not accept any incidental or consequential charges arising out of supplying equipment for this project.
This quotation/order is NON-CANCELABLE once released to the factory.
Pricing is firm for 30 days from date of quotation and does not include any installation, insulation, piping, wiring, except that which is an integral part of the equipment as manufactured.
This price is F.O.B. jobsite for offloading and installation by others.
In the event you are not able to take delivery of the equipment, or any part there of, Power Products will store the equipment for a period of up to 60 days, at no additional charge. If the equipment is stored by Power Products, we will furnish a suitable certificate of insurance for purposes of facilitating "off-site" payment under terms of sale.
The terms and conditions of this quotation are only those set forth herein, or, as otherwise agreed to between Power Products and Customer in a written purchase order identified below. Power Products reserves the right to rescind this quotation if the terms and conditions in the customer's purchase order are not acceptable.
Notwithstanding this or any language in the purchase order number indicated below, Power Products will not be bound by any terms or conditions between customer and any third-party, such as a general contractor or owner.

P.O. #_____ (if applicable)

Accepted by:_____ Company:_____

Bill to:_____ Ship to:_____

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Traffic Signal Group Re-Lamp	Fire	6
Category	Division	Priority
Infrastructure	Fire	6

Type	Submitter
Replacement	John C Magri
Status	Submitter Title
Submit	Assistant Fire Chief

Request Description
Replace LED lights in all traffic signals.

Request Justification
The LED in the Town's traffic signals will be over ten years old and have exceeded their life expectancy. A group re-lamping is a cost effective replacement method. The upgraded LEDs will be more energy efficient.

Basis for Estimated Cost
Previous Purchase
Estimated Costs
$320,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$320,000

Proposed Funding Sources	Amount
General Fund	$320,000
	$0
	$0
	$0
	$320,000

Estimated Operating Budget Annual Cost
$6,000
Explanation for Operating Budget Costs
Group replacement will lower reduce costs from the large quantity purchase and energy savings.

Printed 12/9/2011

Print

Capital Budget Requests

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Division Priorities

Pri	Title	Total Cost	Description	Justification	Oper Cost	Fiscal
1	Town Buildings Security Updates	$59,951	Upgrade to door lock security program to WINPAK-PE for Windows. Buildings covered under this upgrade will include the Memorial Building, Johnathon Maynard, Main Branch library, Mcauliffe Branch Library, Callahan Senior Center, and Cushing Chapel. New control panels and readers will be installed at each location to ensure only authorized personnel will gain access to these buildings. A photo ID making machine will also be installed into Memorial Building, Building Services Department, to create personalized photo IDs for all employees in each of the buildings. This will ensure we have accountability of who and when people are coming in and out of the buildings.	Our current door lock system is operating on a 56k modem and is extremely slow to communicate to off-sites throughout town because it communicates through phone lines. The system operates on windows 95 and the computer has not been updated since 1994. If the current computer were to fail, the town has no backup plan in place to fix the problem because we would require a computer that operates windows 98 or older and we do not have this option. Also, the current key cards used in the town are not personalized nor being carried by most employees because many of the doors at town hall, specifically, are being keyed open, thus allowing people to gain access to the building without any accountability. Programs updates, such as this one being recommended, are essential for the safety and protection of not only the employees of these buildings, but the citizens as well who enter these buildings daily.	$0	2013
2	Parking Meter Update Phase 2	$53,468	This project will consist of updating the existing town owned parking meters throughout downtown Framingham. This will be an extension of an already begun phasing out of the old style parking meters. We have already purchased 100 of these meters in 2010 and require another 75 meters to complete the remaining meters. This will require new polls for many units, due to being knocked down by town plowing. We also are planning to update the parking cash box at Hollis street parking lot to a digital cash machine, which has the capability to take credit card form of payment as well as cash.	The old parking meters throughout downtown can not be modified to change the amount to be paid, therefor nearly 50% of the meters still in circulation are undercharging people who park there. The new style of meters we have began to phase these out with are digital and programmable to be set to any price the town decides to charge. The parking box at Hollis Street currently is malfunctioning and needs replacement, we have also had a series of homeless people trying to steal money out of it because it is not secure. The current cash box on site only can take cash and requires patrons to push the money into a slot and many times they do not push it in all the way, thus leaving the opportunity for homeless people to pull it back out.	$1,000	2013

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Town Buildings Security Updates	Building Services	1
Category	Division	Priority
Building	General Government	1

Type	Submitter
Improvement	Eric Heideman
Status	Submitter Title
Submit	Building Services Foreman

Request Description

Upgrade to door lock security program to WINPAK-PE for Windows. Buildings covered under this upgrade will include the Memorial Building, Johnathon Maynard, Main Branch library, Mcauliffe Branch Library, Callahan Senior Center, and Cushing Chapel. New control panels and readers will be installed at each location to ensure only authorized personnel will gain access to these buildings. A photo ID making machine will also be installed into Memorial Building, Building Services Department, to create personalized photo IDs for all employees in each of the buildings. This will ensure we have accountability of who and when people are coming in and out of the buildings.

Request Justification

Our current door lock system is operating on a 56k modem and is extremely slow to communicate to off-sites throughout town because it communicates through phone lines. The system operates on windows 95 and the computer has not been updated since 1994. If the current computer were to fail, the town has no backup plan in place to fix the problem because we would require a computer that operates windows 98 or older and we do not have this option. Also, the current key cards used in the town are not personalized nor being carried by most employees because many of the doors at town hall, specifically, are being keyed open, thus allowing people to gain access to the building without any accountability. Programs updates, such as this one being recommended, are essential for the safety and protection of not only the employees of these buildings, but the citizens as well who enter these buildings daily.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$59,951 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$59,951

Proposed Funding Sources	Amount
General Fund	$59,951
	$0
	$0
	$0
	$59,951

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 12/9/2011

CUSTOM ALARM SERVICE, INC.
23 Providence Street
P.O. Box 58
MENDON, MASSACHUSETTS 01756
MA Lic. 1455C RI Lic. 1355

PHONE: 800-698-8800 FAX: 508-478-2779

PROPOSAL

TO: Framingham Owned Building Dept
Room 131
150 Concord St.
Framingham MA 01701

PHONE	DATE
508-532-5485	10/26/2011
JOB NAME / LOCATION: Badging software and printer for ID cards	
JOB NUMBER: 11D1026A	JOB PHONE

We hereby submit specifications and estimates for:

Option I:
BadgeBuilder® Classic software includes dossier module.
Package includes:
- BadgeBuilder® Classic software
- Magicard Rio printer
- Full color ribbon (250 prints per ribbon)
- PIC-1 Digital Photo Image Capture System (LU-176 industrial digital camera, lens, tripod, USB converter, power and cables)
- 250 vinyl strap badge clips
- Slot punch

$7037.00 **

Option II: Graphic Quality proximity cards for photobadging.....$6.00 lots of 100 or $6.50 each lots of 50

** Provided & installed on an IBM compatible computer supplied by you. Price includes installation of software, building of basic system databases and one hour training on software. Additional labor to build card or access level databases or do card level entry available at $130.00 per hour.

We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of: Seven Thousand Thirty Seven and 00/100 Dollars dollars ($ 7,037.00).

Payment to be made as follows:
Balance paid as job progresses to completion. All annual or user fees, or special insurance or bond charges required, will be billed separately, directly to you.

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Worker's Compensation Insurance.

Authorized Signature: Ed Dillon

Note: This proposal may be withdrawn by us if not accepted within 30 days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Signature _____

Date of Acceptance: _____

Reorder From NEBS CUSTOM printing service 1-800-898-6327 NEBS, Inc. Peterborough, NH 03458 www.nebs.com

CUSTOM ALARM SERVICE, INC.
23 Providence Street
P.O. Box 58
MENDON, MASSACHUSETTS 01756
MA Lic. 1455C RI Lic. 1355

PHONE: 800-698-8800 FAX: 508-478-2779

PROPOSAL

TO: Framingham Owned Building Dept
Attn. Eric Heideman
Room 131
150 Concord St.
Framingham MA 01701

PHONE	DATE
508-532-5485	10/26/2011

JOB NAME / LOCATION
Update WIN-PAK software for new computer and upgrade and add card access sites to the town security network

JOB NUMBER	JOB PHONE
11D1026A	

We hereby submit specifications and estimates for:

Option I: Provide & install Honeywell WINPAK-PE Windows based software and Keyspan USA 19H High-Speed USB to Serial Adapter to upgrade current Northern software on an IBM compatible computer supplied by you. Price includes basic installation and two hour training on WINPAK program.....$3702.00
Option II: Additional labor as required to convert program or build card or access level database or additional training in use Windows software.....$130.00 per hour
Option III: Upgrade existing Memorial Hall facility to include the following:
3 HID Model 5365 Mini-prox Card Readers (Existing cards will need to be changed)
1 Honeywell LAN-485Kit for network interface
$3358.00 **
Option IV: Upgrade existing Jonathan Maynard facility to include the following:
1 HID Model 5365 Mini-prox Card Readers (Existing cards will need to be changed)
1 Honeywell LAN-485Kit for network interface
$2418.00 **
Option V: Install Northern N1000IV four door access control panel and readers on exterior doors at Main Branch Library to include the following:
1 Northern N1000IV panel to control four readers
2 HID Model 5365 Mini-prox Card Readers
2 Electronic door strike and/or controller connected on the side entrance, and side shipping/receiving door.
D.C. power supplies and battery backup to run door strikes and panel
2 S-4 Suppressor Kit
Wire, install new panel, door hardware & program to work with Town database
$9367.00

We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of: Cont'd
Cont'd
dollars ($).

Payment to be made as follows:
Balance paid as job progresses to completion. All annual or user fees, or special insurance or bond charges required, will be billed separately, directly to you.

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Worker's Compensation Insurance.

Authorized Signature _____

Note: This proposal may be withdrawn by us if not accepted within 30 days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Signature _____

Date of Acceptance: _____

Reorder From NEBS CUSTOM™ printing service 1-800-883-6377 NEBS Inc. Peterborough, NH 03458 www.nebs.com

CUSTOM ALARM SERVICE, INC.
23 Providence Street
P.O. Box 58
MENDON, MASSACHUSETTS 01756
MA Lic. 1455C RI Lic. 1355

PHONE: 800-698-8800 FAX: 508-478-2779

PROPOSAL

TO: Framingham Owned Building Dept
Attn. Eric Heideman
Room 131
150 Concord St.
Framingham MA 01701

PHONE	DATE
508-532-5485	10/26/2011

JOB NAME / LOCATION
Update WIN-PAK software for new computer and upgrade and add card access sites to the town security network

JOB NUMBER	JOB PHONE
11D1026A	

We hereby submit specifications and estimates for:

Option VI: Install Northern N1000IV four door access control panel and readers on exterior doors at McAuliffe Branch Library to include the following:

1	Northern N1000IV panel to control four readers
2	HID Model 5365 Mini-prox Card Readers
2	Electronic door strike and/or controller connected on the front entrance, and rear shipping/receiving door. D.C. power supplies and battery backup to run door strikes and panel
2	S-4 Suppressor Kit
	Wire, install new panel, door hardware & program to work with Town database

$9055.00

Option VII: Install Northern N1000IV four door access control panel and readers on exterior doors at Callahan Senior Center to include the following:

1	Northern N1000IV panel to control four readers
2	HID Model 5365 Mini-prox Card Readers
1	Electronic door hardware replaced/added on the main entrance
1	Existing door strike connected on side parking lot door.
2	D.C. power supplies and battery backup to run door strikes and panel
2	S-4 Suppressor Kit
	Wire, install new panel, door hardware & program to work with Town database

$12,279.00

We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of Cont'd dollars ($).

Payment to be made as follows:
Balance paid as job progresses to completion. All annual or user fees, or special insurance or bond charges required, will be billed separately, directly to you.

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Worker's Compensation Insurance.

Authorized Signature Ed McCann

Note: This proposal may be withdrawn by us if not accepted within 30 days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Signature _____

Date of Acceptance: _____

Reorder From NEBS CUSTOM printing service 1-800-836-3327 NEBS, Inc. Peterborough, NH 03458 www.nebs.com

CUSTOM ALARM SERVICE, INC.
23 Providence Street
P.O. Box 58
MENDON, MASSACHUSETTS 01756
MA Lic. 1455C RI Lic. 1355

PHONE: 800-698-8800 FAX: 508-478-2779

PROPOSAL

TO: Framingham Owned Building Dept
Attn. Eric Heideman
Room 131
150 Concord St.
Framingham MA 01701

PHONE	DATE
508-532-5485	10/26/2011

JOB NAME / LOCATION
Update WIN-PAK software for new computer and upgrade and add card access sites to the town security network

JOB NUMBER	JOB PHONE
11D1026A	

We hereby submit specifications and estimates for:

Option VIII: Install Northern N1000IV four door access control panel and readers on exterior doors at Cushing Chapel to include the following:

1	Northern N1000IV panel to control four readers
2	HID Model 5365 Mini-prox Card Readers
1	Electronic door hardware replaced/added on the main entrance
1	Electronic door strike added on rear entrance door.
2	D.C. power supplies and battery backup to run door strikes and panel
2	S-4 Suppressor Kit
	Wire, install new panel,door hardware & program to work with Town database

$12,735.00

Note 1: Town of Framingham would be responsible for supplying all network wiring and equipment to the card access panels/LAN485Kit connections at each location.
Note 2: This quote is for budgetary consideration only and is not to be construed as a final quote to do the actual work.

We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of: Fifty Two Thousand Nine Hundred Fourteen and 00/100 Dollars dollars ($ 52,914.00).

Payment to be made as follows:
Balance paid as job progresses to completion. All annual or user fees, or special insurance or bond charges required, will be billed separately, directly to you.

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Worker's Compensation Insurance.

Authorized Signature Ed Dellor

Note: This proposal may be withdrawn by us if not accepted within 30 days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Signature _____

Date of Acceptance: _____

Reorder From NEBS CUSTOM™ printing service 1-800-258-6322 NEBS, Inc. Peterborough, NH 03458 www.nebs.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Parking Meter Update Phase 2	Building Services	2
Category	Division	Priority
Equipment (Non-Rolling)	General Government	2

Type	Submitter
Improvement	Eric Heideman
Status	Submitter Title
Submit	Building Services Foreman

Request Description

This project will consist of updating the existing town owned parking meters throughout downtown Framingham. This will be an extension of an already begun phasing out of the old style parking meters. We have already purchased 100 of these meters in 2010 and require another 75 meters to complete the remaining meters. This will require new polls for many units, due to being knocked down by town plowing. We also are planning to update the parking cash box at Hollis street parking lot to a digital cash machine, which has the capability to take credit card form of payment as well as cash.

Request Justification

The old parking meters throughout downtown can not be modified to change the amount to be paid, therefor nearly 50% of the meters still in circulation are undercharging people who park there. The new style of meters we have began to phase these out with are digital and programmable to be set to any price the town decides to charge. The parking box at Hollis Street currently is malfunctioning and needs replacement, we have also had a series of homeless people trying to steal money out of it because it is not secure. The current cash box on site only can take cash and requires patrons to push the money into a slot and many times they do not push it in all the way, thus leaving the opportunity for homeless people to pull it back out.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$53,468 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$53,468

Proposed Funding Sources	Amount
General Fund	$53,468
	$0
	$0
	$0
	$53,468

Estimated Operating Budget Annual Cost
$1,000
Explanation for Operating Budget Costs
There will be a $50 per month charge for the management of the credit card charges on the hollis street parking machine, totaling $600 per year, plus $400 per year in servicing of the mechanical components to the machine.

Printed 12/9/2011

PO Box 430
Russellville, AR 72811-0430
Ph 800-331-7275 or 479-968-2880
Fx 479-968-2840
www.pom.com; pom@pom.com

October 3, 2011

Mr. Eric Heideman
Framingham Building Services
Re: Meter Housing costs

Eric,

The cost for new housings that have the iron vault with the round door and zinc upper housing, which is the same configuration as your existing meters is based on quantity. The schedule below breaks it down appropriately. Additionally we offer a vault with a rectangular door that is a better solution than the round door and was actually created at the request of customers who had the round door and found it to be troublesome. The rectangular door, we call it the tamperproof , is designed to simply fall open when the key is inserted. This is in sharp contrast to the round door, the round door requires that you first lift the door (and the coin box attached to it) with the key, and then pull the door open. This exerts unnecessary strain upon the key and the collector, and is contrary to proper lock and key usage and maintenance. The motion of the tamperproof door actually uses the weight of the coins as a lever and that facilitates the door "falling" open. Your existing keys and coin boxes fit both styles. The prices below reflect complete housings, including coin boxes, enforcement hours plates and mounting hardware. The keys are not included. Shipping of iron housings as you can imagine is a major factor, once you provide a quantity I can give you a firm freight quote. If this is for next year's budget, I have cited VERY LOOSE shipping costs. There is no way at all to predict shipping several months out.

The posts are generally provided and installed by public works, they use the same posts for many applications. When I am tasked with providing them, I simply call the nearest professional fence company as they are most experienced and use this post for most installations. The post itself is a Schedule 40 2" I.D. steel post. They originally are 21' long, yielding 4 posts that are approximately 51" in total length. I have attached the proper installation instructions.

Round door style	rectangular style	Shipping cost each
1-15 housings..... $275.36	$263.13	$20.00
16-50 housings.....$257.83	$246.39	$18.00
51+ housings.....$250.31	$239.20	$10.00

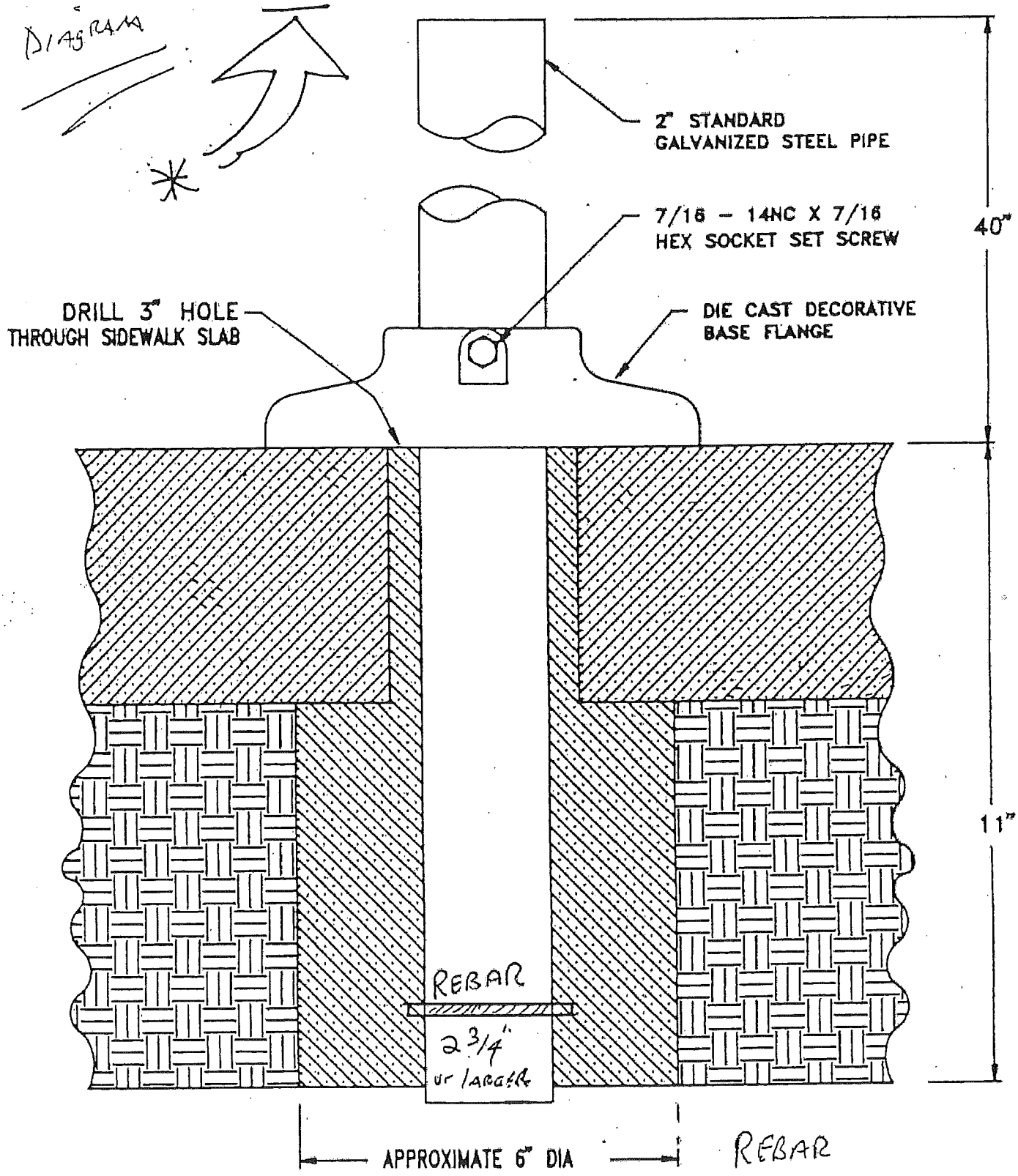
Thanks for the inquiry, let me know if you need anything. Mike

CORRECT

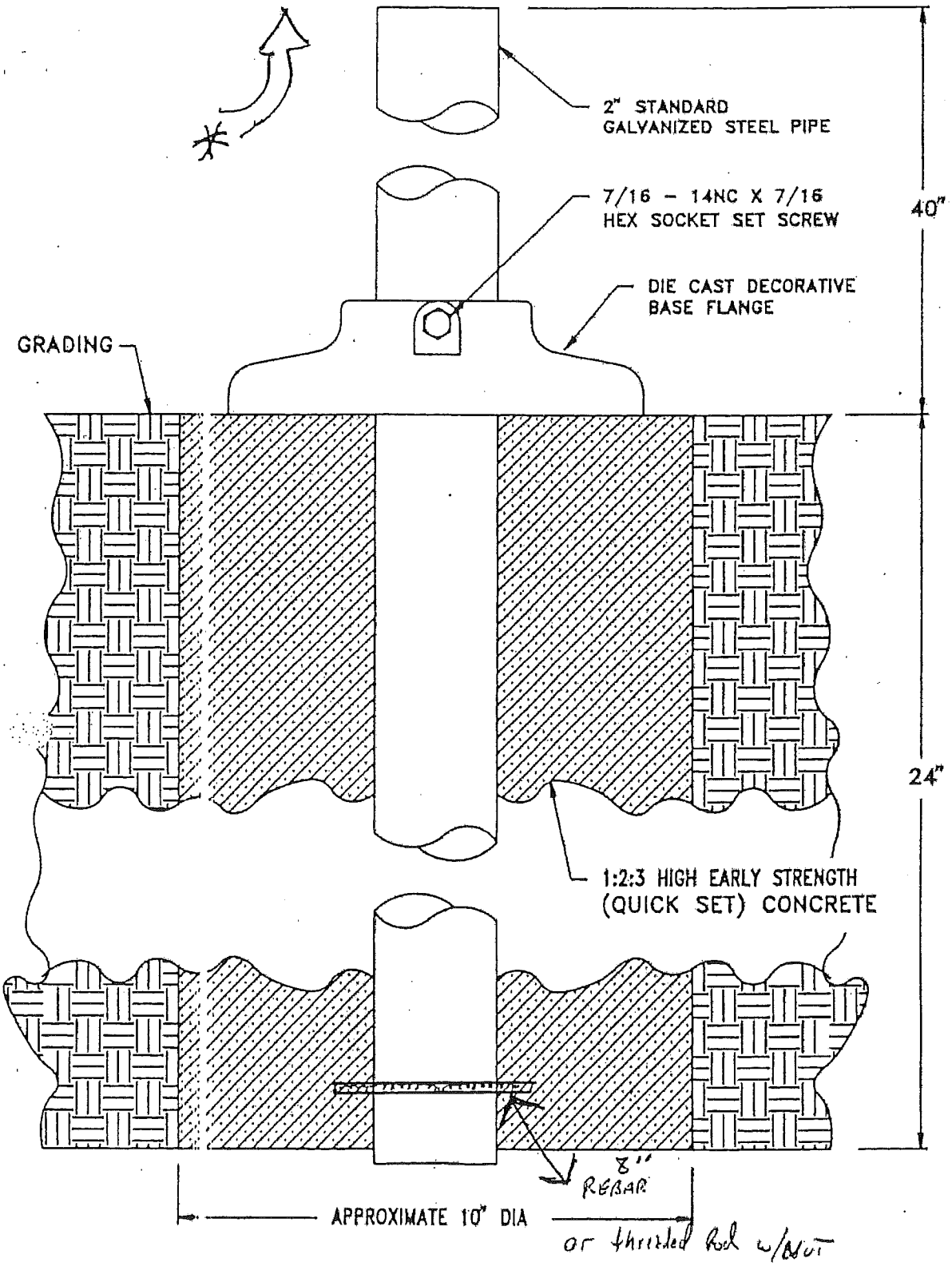
REBAR

DIAGRAM

INSTALLING METER POSTS IN GOOD CONDITION SIDEWALKS



INSTALLING METER POSTS IN BRICK OR POOR CONDITION SIDEWALKS or Soil



PO Box 430
Russellville, AR 72811-0430
Ph 800-331-7275 or 479-968-2880
Fx 479-968-2840
www.pom.com; pom@pom.com

August 25, 2011

Mr. Eric Heideman
Building Services
Framingham, MA
RE: Parking Meter Mechanism Quote

Eric,

The pricing for the same POM APM-E mechanisms that Framingham has been purchasing is as follows:

A. 100 APM-E mechanisms with free time button @$206.13
B. 100 APM-E mechanisms w/o free time button $178.78
Shipping for A or B would be $269.00
C. 180 APM-E mechanisms with free time button @201.38
D. 180 APM-E mechanisms w/o free time button @174.03
Shipping for C or D would be $350.00.

These mechanisms have all the same internal software codes as your existing inventory and as such will work with your existing software and communication hardware, they will simply be inserted into the existing POM housings and replace the POM mechanical meters. I would also recommend you evaluate the existing Lexan domes in the housings that are to receive the new mechanisms as the digital displays are easy to read through old yellowed lens. In the event you wish to purchase new lenses, the cost is $3.06 each. Since 2007, Framingham has only purchased 84 of these lenses. Dick Oleson may have some in his inventory but they really do make a nice impression and make the display much easier to read for both the public and enforcement personnel.

Our current lead time is 3-4 weeks for mechanism production.

Thank you for this opportunity, feel free to call with any questions. If you issue a purchase order, please make it out to POM Inc. (they re already in the city's vendor database) but please send the order to me as I have all the pertinent data in my files.

Regards,
Mike Logue

Eric Heideman

From: Mike Logue <mike@mssc-traffic.com>
Sent: Wednesday, September 21, 2011 10:12 AM
To: Eric Heideman
Subject: Pay Stations
Attachments: LUKE II Brochure.pdf; LUKE Brochure.pdf

Eric, the machine that we now ship is called the Luke II, however the Luke II brochure doesn't show the unit very well. The full keyboard on the Luke II is really only used for pay by license, if you were to go with a standard pay station strictly to replace the existing box, I would suggest the traditional 12 key keypad as shown on the Luke I brochure, it's a little less intimidating. There is a video here so that you can see the operation, Riverside has the pay by space number and the video is pretty clear. There are other videos here. As for budgetary pricing, use $15,500.00. This will cover a solar unit with either coin and credit or coin and bill, in the event you can bring 110 to the site, the price drops to $14,900 and you gain a heater. Solar units can't support the heater, but the heater is important in controlling the level of humidity for the thermal paper and printer as well as providing a better environment for the lcd displays and the keypads. For power we need a 15 amp circuit and the base for either unit is to be concrete, minimum 24" sq. and 8"deep.

Michael W. Logue
Municipal Supply Sales Co.
Auburn, NH 03032
Representing POM Meters/DPT Pay Stations
800-221-6236

DIGITAL
PAYMENT TECHNOLOGIES

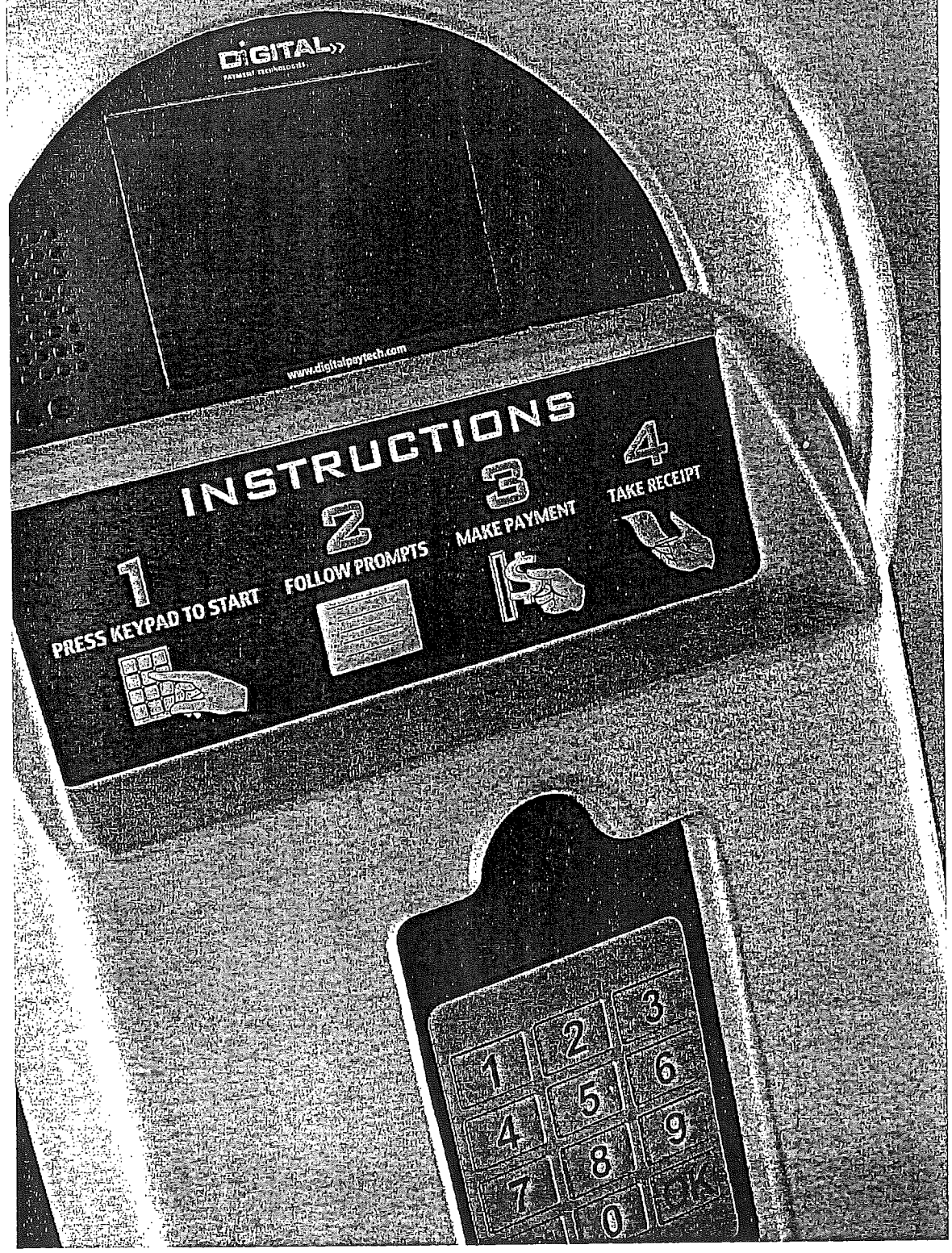
LUKE

Single-space meters that only take coins are becoming a thing of the past.

Parking operations are more complex and so is policy in municipal government. To meet these changes, on-street pay station solutions must be reliable and flexible.

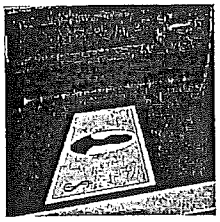
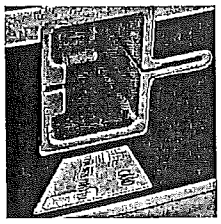
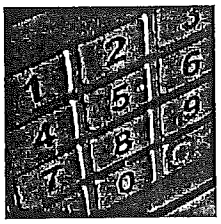
The LUKE multi-space pay station offers more payment options, better revenue opportunities and lower cost of ownership. LUKE is easier for people to use, and easier for operators to maintain.

Reduce your costs.
Increase your revenues.
Improve your streetscape.
With LUKE.



Digital Payment Technologies (DPT) created LUKE to improve on-street parking for both municipalities and parkers. LUKE is an effective solution to the growing challenges in municipal parking.

Our technology gives LUKE significant advantages, including the RADIUS power management system for pay station deployment in low sunlight conditions, real-time credit card authorization, and remote rate configuration. LUKE has a large, full-color screen that's easy to read and can be programmed with prompts in different languages. And LUKE is available in almost any color.

The LUKE Pay Station

Parkers prefer LUKE because it provides:

- a design that's easy to recognize as a pay station
- large, full-color screen that's easy to read
- a better user experience
- prompts in different languages
- standard payment options including coins, bills, and credit cards
- advanced payment options such as smart cards or value cards

Municipalities and institutions choose LUKE because it provides:

- theft-proof design to protect coins and bills
- high levels of encryption for data security
- reduced street clutter
- improved aesthetics, including custom color options
- better user compliance

Parking operators appreciate LUKE because it provides:

- the ability to configure rates remotely – by date, time and payment type
- Pay-and-Display and Pay-by-Space modes
- integration with industry leading enforcement systems
- real-time credit card processing
- Payment Card Industry (PCI) compliance
- reduced maintenance and collection costs
- RADIUS power management system
- complete audit control
- real-time reporting and alarming

Connect with LUKE

The LUKE pay station can work in different modes.

Stand-Alone

Data is collected manually in an easy and efficient process. Our clients are provided with comprehensive management, reporting, and configuration control. Credit card transactions are processed in batches. Rates and messages are created offline and transferred via sneaker-net. Stand-alone systems can be easily upgraded to online systems when required.

Online

We developed our Enterprise Management System (EMS) to give LUKE online capabilities. With EMS, you can use the Internet to manage your parking systems. EMS can connect you directly to your pay stations – each station can advise you when repairs are required and when they should be emptied. No additional hardware is required – LUKE is EMS-ready and just needs a simple Ethernet connection to the Internet.

LUKE

Single-space meters that only take coins are becoming a thing of the past.

Parking operations are more complex and so is policy in municipal government. To meet these changes, on-street pay station solutions must be reliable and flexible.

The LUKE multi-space pay station offers more payment options, better revenue opportunities and lower cost of ownership. LUKE is easier for people to use, and easier for operators to maintain.

LUKE Specifications

- Cabinet – 12 gauge cold rolled or stainless steel with no pry points
- Payment Options – Coins, Bills, Credit Cards, Smart Cards, Value Cards
- Card Reader – Cards are not ingested – no moving parts. Reads Track 1, 2 and 3 of all magnetic stripe cards conforming to ISO 7810 and 7811. Reads and writes to chip-based smart cards conforming to ISO 7810 and 7816
- Note Stacker – 1,000 bill capacity
- Printer – 2" receipt width
- Display – Color LCD with 640 x 480 resolution – monochrome LCD optional
- Keypad – Tactile buttons
- Locks – Can be re-keyed twice without removing lock cylinder
- Communications – GSM/GPRS, CDMA, 802.11b/g Wi-Fi, Metro Scale Wi-Fi Networks, Ethernet
- Environmental Specifications – -40° F to +140° F (-40° C to +60° C)* and up to 85 percent relative humidity (non-condensing)
- Power – AC 120 V, 60 Hz for charging battery or integrated solar panel (20 W)
- Operation Modes – Pay-and-Display and Pay-by-Space
- Multilingual Option – Up to four languages using roman or non-roman characters
- Audible Alarm – Senses shock and vibration
- Online Option – EMS integration to provide real-time credit card processing, real-time reporting, maintenance and security alarms, remote rate configuration, DPT Web Services integration with third-party technologies, and more
- Color – Custom colors available
- Instruction Panel – Customizable
- Standards – PCI compliant, UL/CSA approved, ADA compliant

* -40° F (-40° C) based on separately purchased heater/insulator option.
Low end of range is -4° F (-20° C) ambient without heater/insulator option.

Digital Payment Technologies Corp.

We are an industry leader in the design, manufacture, and distribution of multi-space pay stations, parking management software, and online services. From our beginnings with the Intella-Pay, we've grown to become a leading supplier of innovative parking pay station solutions. We offer an expanded range of Web-based applications and integration with third-party technologies in such areas as smart cards, communications protocols, and enforcement systems.

We're always exploring new ways to add value to our products:

- first North American on-street parking pay station integrated with a metro-scale Wi-Fi network
- first to enable clients to host their own server for online services
- first to integrate a color screen into a multi-space on-street parking pay station
- first to develop integration between pay stations and Pay-by-Phone parking so enforcement data can be automatically consolidated for both systems

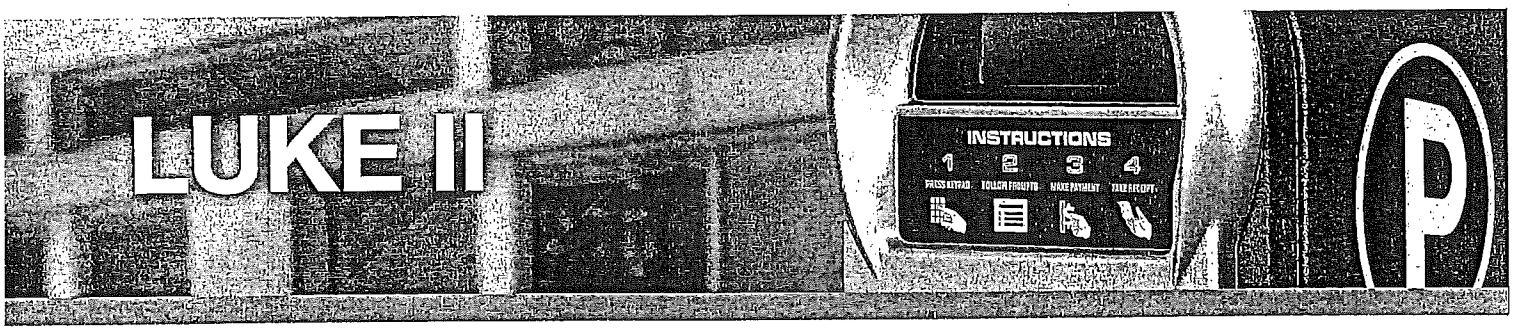
Our products are supported by outstanding customer service. We're available to help you around the clock with 24/7 telephone support. Our Customer Service Support Portal allows you to e-mail support questions, check the status of your helpdesk ticket, download product documentation, browse knowledgebase articles, and access live remote support. We also have a growing network of resllers to provide local sales and on-site support.

DIGITAL
PAYMENT TECHNOLOGIES

To learn more about LUKE, please call 888-687-6822 or visit our Web site at www.digitalpaytech.com.

DIGITAL
PAYMENT TECHNOLOGIES

PRODUCT SHEET



Multi-Space Pay Station

Public and private parking operators are realizing the benefits of multi-space pay stations: increased revenue, reduced operational costs, and superior customer service, to name just a few. Consumers also enjoy the added convenience, diverse payment options, and ease of use provided by pay stations. LUKE II is a highly secure, flexible pay station suitable for on- and off-street deployments. LUKE II fulfills customer service expectations and delivers superior performance and significant contributions to operators' top and bottom line.

LUKE II Features for Consumers

- Range of convenient payment options, such as coins, bills, credit cards, smart cards, value cards, campus cards, coupons, and even Pay-by-Phone
- Contactless payments for rapid parking transactions
- Large color screen that is easy to read
- Prompts in multiple languages
- Ability to pay for parking or extend time at any pay station in the system
- Coin escrow refunds consumers' money upon a cancelled transaction
- 38-key full alphanumeric keypad for easy license plate entry
- Easily recognizable design identifies machine to consumers as a parking pay station

LUKE II Features for Parking Operators

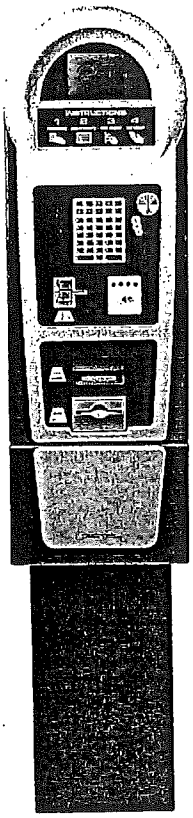
- Separate maintenance and collection compartments for enhanced security
- Theft-resistant design to protect coins, bills, and internal components
- Enhanced locking mechanism and electronic lock support for added security
- PCI compliant and PA-DSS validated system ensures credit card data security
- Pay-and-Display, Pay-by-Space, and Pay-by-License Plate on the same pay station
- Remote configuration of rates and policies saves time and money
- Integration with leading parking technology partners for a complete solution
- Flexible rate structures, diverse payment options, and the elimination of 'piggybacking' can enable up to an 80 percent increase in revenue
- Reduced maintenance and collections costs
- Real-time credit card processing to reduce processing fees and eliminate bad debt
- Real-time reporting and alarming
- Complete audit trail and rich analytics

DIGITAL
PAYMENT TECHNOLOGIES

PRODUCT SHEET

Integrated Parking Management

Parking is more than just pay stations, and Digital Payment Technologies (DPT) believes that complete and integrated parking management yields superior results. To that end, DPT has built its solutions around an open system architecture that allows integration with complementary best-in-class technology partners. A complete integration with leading space sensor, Pay-by-Phone, smart card, credit card processing, enforcement handheld, and license plate recognition (LPR) platforms allows DPT to consolidate payment information in its PCI compliant Enterprise Management System (EMS) back-end in order to conveniently present it to enforcement, accounting, citation management, accounting or other applications.



LUKE II Specifications

- Cabinet: 12-gauge zinc-coated cold rolled steel. Stainless steel optional
- Payment Options: Coins, bills, credit cards, contactless payment, smart cards, value cards, campus cards, coupons, Pay-by-Phone
- Card Reader: Cards are not ingested – no moving parts. Reads Track 1, 2, and 3 of all magnetic stripe cards conforming to ISO 7810 and 7811. Reads and writes to chip-based smart cards conforming to ISO 7810 and 7816
- Note Stacker: 1,000-bill capacity
- Printer: 2" receipt width
- Display: Color backlit LCD with 640 x 480 resolution
- Keypad: 12- or 38-key alphanumeric with tactile buttons
- Locks: Can be re-keyed twice without removal of lock cylinder. Electronic locks optional
- Access: Separate doors for maintenance and collections
- Communications Options: GSM/GPRS, CDMA, 802.11b/g Wi-Fi, Metro Scale Wi-Fi , Ethernet
- Environmental Requirements: Ambient range: -40° C to +60° C (-40° F to +140° F)* Relative humidity: up to 95%
- Power: AC 120 V or 240 V, 60 Hz for charging battery or 20 W solar panel
- Operational Modes: Pay-and-Display, Pay-by-Space, Pay-by-License Plate
- Multilingual Support: Up to four languages using roman or non-roman characters
- Audible Alarm: Senses shock and vibration
- Color: Silver on gray. Custom colors optional
- Standards: UL/CSA approved, ADA compliant, PCI compliant, PA-DSS validated

*using separately purchased heater/insulator option. Low end of range is -20° C (-4° F) ambient without heater/insulator option

GRANT STEEL

2 Mear Road
Holbrook, MA 02343
Phone: 781-767-0505 Fax: 781-767-5911
Website: www.grantsteelcompany.com

October 25, 2011
5:25:30PM

Quotation No. 1024201101

JEFF B

Bill To FRAMINGHAM DPW
C/O FLEET SERVICES
100 WESTERN AVENUE
FRAMINGHAM, MA 01702

Ship To FRAMINGHAM DPW
100 WESTERN AVENUE
FRAMINGHAM, MA 01702
Phone: 508-620-4891
ATTN: JEFF

Customer P.O. #:
Terms: Net 30
Sales 1: Joe Keating
Contract:

F.O.B.: Delivered
Sales 2: Joe Keating

Ship Via: Our Truck
Due Date: 10/25/2011
Quote Date: 10/24/2011

Order Qty	Description	Width	Length	Weight	Price	UM	Extension	Tax
7	2 X .154 SCHED 40 PIPE		21' 0"	536.55	$ 220.00	C	$1,180.41	E
	SAW CUT TO 28 PC 5'-0" TO BE GALVANIZED **********							

Total Weight 536.55

Subtotal Non taxable	**$1,180.41**
Subtotal taxable	**$0.00**
	$0.00
Total	**$1,180.41**

Unloading Instructions:
Receiving Hours:
Max Bundle Weight: 0
Spacers

Messages:
FAX 508-820-0291

PARKING Meters

Galv. Pipe

Print

Capital Budget Requests

Back

Division Priorities

Pri	Title	Total Cost	Description	Justification	Oper Cost	Fiscal
1	F350 4x4 Maintenance Body	$45,411	F350 4x4 maintenance body vehicle with tool boxes.	This vehicle is primarily used by the division mechanic. The vehicle is used to store and transport tools, equipment, and materials to all areas of Town as required to repair and maintain vehicles and equipment in the field. This vehicle replaces a 1997 Ford 350 4x4 maintenance body vehicle with 162,596 miles. The engine in the current vehicle needs major work including rear main seal in engine is leaking and needs replacing, needs new fuel injectors, fuel pump, and glow plugs. In addition to the engine work, the oil pan is rotting and leaking, front axle seal is leaking, rear differential seal is leaking, utility body compartments are rusting with holes, all leaf springs and shocks need to be replaced, the transmission requires work, the vehicle has major rust on chassis, brake lines, spring hangers, cross members, floor boards, and truck bed and is constantly experiencing electrical problems due to corrosion in plug connections. The combination of issues with this vehicle pose a potential safety concern for the operator and public. See mechanics memo included with vehicle information.	$0	2013
2	F350 4x4 Crew Cab Pickup 10,000 GVW	$40,060	F350 4x4 Crew Cab Pick Up 10,000 GVW	All purpose vehicle used to transport park and maintenance workers, equipment, material, and trailers, to various job sites. This vehicle transports a fleet fuel tank for offsite fueling of equipment. This vehicle replaces a 2008 Ford F650 4x2 regular cab dump truck w/7,874 miles. Our semi-regular need to haul large, heavy loads is being met with a line of multi-use vehicles including an F750 J-hook and two F450 dump body vehicles. Our garages have a limited storage capacity and we find it in the best interest of the Town and our operation to minimize specialized use vehicles. The 2008 F650 4x2 dump truck has a trade in value of $22,000 per Larry Christensen, Fleet Truck Manager at MHQ. See attached letter.	$0	2013
3	F250 4x4 Ext Cab Pickup 8,800 GVW	$38,884	F250 4x4, Extended Cab Pick Up, 8,800 GVW	All purpose vehicle used to transport park and maintenance workers, equipment, material, and trailers, to various job sites. This vehicle replaces a 1997 Dodge 4x4 Stake Body w/43,326 miles. After fourteen years of service, this vehicle will require major work on the transmission and engine cooling system to operate safely. The current transmission is slipping consistently and the vehicle overheats after short periods of operation. The combination of issues with this vehicle pose a potential safety concern to the operator and the public. See mechanics memo included with vehicle information.	$0	2013
4	Loring Arena-Infrastructure repair and replacement	$65,433	Engineering and design funds for permanent repairs to arena end walls. Industrial Painting of existing structures for stabilization Removal of failing boiler vent stack and replacement of original boiler.	The existing arena end walls, boiler, and boiler vent stack are original construction from the early 1960's. Years of exposure to the elements coupled with dated technology has brought these materials to the end of their useful life. Coordinating municipal funding cycles, the advanced deterioration of the existing structures, preparation of appropriate designs and bid specifications, receipt of accurate cost estimates, and the arena operating schedules make the solutions to this capital project very complex. The full completion of a plan should be staged over the next few years in order to avoid service disruption. Of immediate concern is to stabilize the structures and slow down the rate of deterioration through an industrial painting contract. Simultaneous to that we should be pursuing options for a permanent fix through design and engineering efforts. We would propose the following: Industrial Painting of East and West Exterior $35,433-see attached estimate Current conditions require an immediate short term solution to stabilize the existing structures. If current conditions are allowed to deteriorate during the design, engineering, and appropriation process, there is potential for a serious public safety issue and or loss of service. The requested appropriation will allow us to hire an industrial painter to scrape and prepare, prime, and paint the exterior surfaces of both end walls. Proper management of already identified hazardous materials and contractor certifications are a part of this initiative. Engineering and Design Options $30,000-	$0	2013

				see attached email from Capital Project Manager The existing end walls consist of a metal frame and panel system which has deteriorated over the years and now needs to be addressed with a permanent fix. Options for the construction of new walls need to be explored and may require use of outside design consultants. We have included a $7,000 line item for identification of design options for the permanent fix. Removal of existing end walls and hazardous materials, or encapsulating the current structures are options that should be explored. Also, included with this project are the replacement of other directly related building systems identified by the Town's Capital Project Manager, who has done preliminary assessments of the problem. Those additional items would include: • Removal of the old convection heating systems that are attached to the interior of both the east and west end walls. The heating systems are no longer used or needed. • Removal and replacement of the failing boiler vent stack. The current boiler stack is deteriorated beyond repair and is attached to the exterior of the west end wall. • Replace the original boiler that is costly to maintain and operate with newer energy efficient technology. New boilers will not require large heating stacks. In an attempt to offset the overall cost of this project and to meet the inflexible time schedules, the Town Capital Project Manager has agreed to perform the above work. This includes bringing the construction to bid and completion. In order to do this he needs the support of appropriate consulting services. If we take this approach it is believed we can save a year in the schedule and more than $50,000 in design work alone. This would reduce the chance of structural failure and service interruptions. Additionally, we are working closely with the utility providers to identify financial incentives to implement improvements of this nature.		
5	Cushing Memorial Park Phase 5- Childrens Grove Play Area	$480,000	Phase 5 development of Cushing Memorial Park. It is recommended to appropriate this money at the Annual Town Meeting contingent on obtaining a letter of grant award. This will avoid calling a special Town Meeting to participate in the reimbursable grant program.	A comprehensive Master Plan was completed in 2001 with significant cooperation and participation of Town Residents. Cushing has become the central park in Framingham and is used by hundreds of residents daily for passive recreation. An Urban Self Help Grant Application will be filed for Phase V in the same manner as Phases I, II, and III, and IV. Three themes were identified during the planning health, preservation of open space, and history of the site. These three themes provide benchmarks for improvements implemented at the park. Improvements proposed in phase 5 include creation of a Children's Grove play area. The concept of the Children's Grove is unique from other typical playgrounds in that it is focused on integrating play and the natural environment through the use of trees and earthwork. Research shows this approach to play results in numerous benefits that span from improved overall health to increased learning and cognizance. This phase also includes continued improvements to the landscape and installation of site amenities such as benches and shade structures.	($5,000)	2013
6	Park Signage Phase I	$33,904	Installation of a signage program for Parks and Recreation properties throughout town. Proposed phase 2 locations include Bates Park, Learneds Pond, Nobscott Park,Oakvale, Sax Beach, Waushakum Beach, Woodfield, and Mary Dennsion.	Current signage throughout our Parks is outdate and limited in impact as well as aesthetics. Beautification of Parks properties lends to neighborhood stabilization and a sense of pride in community. The Board of Selectmen Vision Statement indicates "Our Town will foster a sense of pride by placing a high priority on quality education, neighborhood parks... and promote a clean and beautiful Town." The "Choose Framingham" initiative identifies the fact that "The average distance to a playground or other recreation area from any single family parcel is approximately a quarter of a mile." Proposed signage will create a common theme for all Park properties, while improving the aesthetics and beautifying the neighborhoods and the Town. This signage program is a low cost way to advance both the Board of Selectmen Vision Statement, and the "Choose Framingham" initiative.	$0	2013
7	Playground Fiber Mulch Safety Surfacing Replacement Phase 1	$29,550	This is phase 1 of a multi-phased project to bring the safety surfacing at Town playgrounds up to industry standards. Proposed locations for	Industry studies have shown that two-thirds of all playground injuries result from falls to improper safety surfacing below play structures. The Town currently has regular wood chips in most locations. These chips are not ADA compliant and do not meet industry standards. Regular woodchips have sharp edges which can cause injury and can contain contaminants such as poison ivy. Our department	($2,500)	2013

			improvement include Apple St., Arlington St., Bates Park, Butterworth, Cushing Memorial Park, and Danforth Park.	has received numerous complaints from park users indicating their displeasure and safety concerns with the woodchips used in our playgrounds. We propose replacing the existing woodchips with Wood Fiber, which is a processed wood material that is certified to meet both ADA requirements for accessibility and industry standards for safety.		
8	Park & School Fence Replacement Phase 3	$458,143	Demolish and replace various size chain link fence, gates, and guardrail at schools and parks. This quote contains a 15% contingency fee.	This is phase 3 of an approved program with expected implementation by the Town, see report of 1996. Fencing is an important feature at our locations. Properly installed and maintained fencing improves public safety, protects field access from vehicle damage-reducing unnecessary repair expenses, and improves aesthetics. Most fencing lasts 15-20 years. A majority of the areas in this phase are well over 40 years old. The department has completed Phase 1 & 2 of this project. This phase includes addition of safety fencing for the player bench areas at multiple little league and softball fields throughout town. NOTE: This project has also been submitted in the Capital Debt Exclusion program under Miscellaneous Property Improvements.	$0	2013
9	F350 4x4 Crew Cab Pickup 10,000 GVW	$33,789	F350 4x4 Crew Cab Pick Up 10,000 GVW	All purpose vehicle used to transport park and maintenance workers, equipment, material, and trailers, to various job sites. This vehicle transports a fleet fuel tank for offsite fueling of equipment. This vehicle replaces a 2000 F350 4x4 Crew Cab Pick Up with 71713 miles.	$0	2014
10	F250 4x4 Extended Cab Pickup Truck 8,800 GVW	$32,393	F250 Extended Cab Pick Up Truck	This truck is used to transport crews, materials, trailers and other equipment to job sites. This truck replaces a 2000 F250 4x4 Extra cab pick up with 58,540 miles.	$0	2014
11	John Deere Tractor Model 5425	$45,112	John Deere Tractor model 5425	This vehicle is essential to day to day operations in all seasons. The tractor is used for material handling, turf maintenance attachments, and snow removal. This vehicle is replacing a 1999 Tractor w/5,222 hours which is equivalent to 78,330 driving miles.	$0	2014
12	Edwards Cemetery Roadway Reconstruction	$126,975	Reconstruction of the Edwards Cemetery Roadways.	Current roadways at the Edwards Cemetery are inadequate in width and integrity to handle the equipment required for conducting burieals and routine maintenance at the site. The roadways have suffered the extremes of New England seasons resulting in crumbling edges, frost heaves, potholes, and washouts. The condition of the roads also makes it difficult for families attending burials.	$0	2014
13	Portable, Handicapped Accessible Restroom	$48,950	Portable 5 unit restroom facility with running water in the sinks and flushable toilets. The equipment consists of four units for able bodied individuals and one unit that is fully handicapped accessible, meeting all ADA guidelines for handicapped accessibility.	Framingham Parks and Recreation hosts events throughout the year which often require the use of protolets. Portolets can have health and safety concerns, in addition to aesthetic shortcomings. This unit is a self contained portable restroom facility with porcelain flushable fixtures and sinks with running water. The unit also provides a fully ADA compliant restroom for persons with handicaps. This unit can be brought to indoor and outdoor events to augment available restrooms or provide restrooms at remote locations without restroom facilities.	($500)	2014
14	Portable Stage	$166,633	Portable stage	This mobile stage will allow for versatility in presenting community events. Currently the Town of Framingham hosts several cultural and musical events annually that would benefit from this piece of equipment. These events include concerts on the common, graduations, Flag Day celebration, and a community bonfire. In addition to these events, we receive requests from residents and local corporations to host fund raisers, registrations, cookouts and gatherings at our parks. This equipment would be beneficial to those requests as well. Other municipalities have had success renting this equipment out to help offset the capital investment. This mobile stage is handicap accessible. This funding request includes a 20% contingency to allow for further customization as needed.	$0	2014
15	Cushing Phase 6 Feasibility Study	$50,000	Cushing Phase 6 Feasibility Study.	A comprehensive Master Plan was completed in 2001 with significant cooperation and participation of Town Residents. Cushing has become the central park in Framingham and is used by hundreds of residents daily for passive recreation. We propose a feasibility study that will identify the requirements to install a pond, currently proposed for the southern area of the park near the Winter Street parking lot.	$0	2014

16	Winch Restrooms	$90,792	This project will replace restroom and storage facilities the were previously housed under the old grandstand structure. Price includes construction and engineering contingencies in addition to overhead and profit for a general contractor if needed.	Demolition of the Winch Park Grandstands took place in the fall of 2007. The previous grandstand structure housed restrooms for the adjacent athletic fields, basketball and tennis courts, and play structures. There was also some athletic equipment storage capabilities lost when the grandstands were removed. Currently participants must use restrooms in the school when the school is open. Night and weekend facility user groups do not have access to restrooms. Price includes construction and engineering contingencies in addition to overhead and profit for a general contractor if needed.	$0	2014
17	Butterworth Park Phase 2-Parking Improvements	$71,918	reconstruction and formalization of the perimeter parking along Arthur Street	Most parking at the 10.5 acre site in informalinformal gravel area along the west perimeter. Formalization of ththis parking area will provide increased safety and facility access for all park patrons and include handicap accessibility improvements. Proposed parking formalization will include aesthetic improvements to the park perimeter. The proposed plans include new shade tree plantings, sloped granite curb, and fencing upgrades. This is phase 2 of a multi phased approach to improve this neighborhood park. Future phases may include athletic field reconstruction and irrigation, walking paths and restrooms.	$0	2014
18	Loring Arena compressors and control panel	$98,160	Replacement of the original compressors installed in 1963, and installation of a new ice cooling system control panel.	These compressors are original equipment installed in the arena in 1963. Significant man hours are spent each off-season to completely rebuild the compressors in order to ensure, to the best of our ability, the compressors function as needed during the winter months. These compressors and their associated motors are significantly less energy efficient to operate than motors produced currently. The control panel is also original equipment. replacement of the control panel will allow for operating outputs to be matched with operating needs during fluctuations in use and weather conditions. This flexibility will increase operating efficiency and reduce energy consumption.	$0	2014
19	Park Sinage Phase II	$31,458	Installation of a signage program for Parks and Recreation properties throughout town. Proposed phase 2 locations include Mary Dennison, Veterans Park, Waushakum Beach, Roosevelt Park, and Winch Park.	Current signage throughout our Parks is outdated and limited in impact as well as aesthetics. Beautification of Parks properties lends to neighborhood stabilization and a sense of pride in community. Proposed signage will create a common theme for all Park owned properties, while improving the aesthetic qualities of the property. Signage will be placed in highly visible area.	$0	2014
20	Tennis and Basketball Court Resurfacing Phase 1 - Winch Tennis and Winch Basketball	$381,482	Resurfacing of the sport courts and installation of new fencing, tennis, and basketball hardware.	Typically tennis and basketball courts need to be resurfaced every 10-15 years. The Winch Basketball courts have not been resurfaced in over 10 years and now will require additional maintenance in order to bring them back to safe playable condition. Without recommended maintenance these courts will be closed due to safety issues. The Winch Tennis courts are beginning to display significant cracks in the surfacing. Attempts to resolve the cracking through repair has not yielded the desired results.	$0	2014
21	Walsh Synthetic Field and Lighting Renovations	$2,478,662	Replace grass with Synthetic Turf at Walsh Field and add lighting. This project contains a 15% construction contingency , 15% engineering contingency, and 10% overhead and profit figure.	There are a number of factors that limit the ability to maintain a natural turf field on this property. This facility is used all year for classes and outdoor sports. The use is so extensive a natural turf field becomes impossible to maintain is a safe and playable manner. In addition to use there is no irrigation system to aid in turf growth during attempted repair. Currently the facility has metal drainage structures located within the turf growth area that significantly limit the size of the playing field, in addition to posing safety issues for sports participants. A lack of lighting limits the use of patrons and user groups to daylight hours.	$0	2014
22	Lower Longs Soccer renovation and Irrigation	$385,382	Renovation of the Keefe Tech Soccer field located on Fountain Street, including hte installation of irrigation.	This project represents the continuation of a Town-wide field improvement initiative. Field use in the Town is intense for all of our locations. These conditions have been magnified as community user groups continue to multiply, and additional space is not available. The carrying capacity of the athletic fields across the Town are significantly impacted. Without a consistent effort to improve maintenance capabilities, safe and acceptable playing conditions cannot be achieved. Installation of an irrigation system at this location will improve the ability of the Department to maintain safe conditions throughout the playing season, regardless of	($5,000)	2014

				natural conditions.		
23	Bowditch Track Reconditioning	$170,000	Refrubishment of the Bowditch running track.	The Bowditch track was resurfaced in 2005. Industry standards indicate track constructed of this materail should be resurfaced every 5-7 years depending weather conditions and uv deterioration.	$0	2014
24	Play. Equip \ Hand. Access., Phase 3- Oakvale Park	$77,050	The Parks and Recreation Department has a play structures list that is prioritized according to equipment in need of replacement or upgrade. Phase 3 of this replacement program will provide funding to significantly improve Oakvale Park. The budget estimate is based on a project currently under construction with associated pricing provided by Weston and Sampson Architectural Firm and includes accessibility improvements, play equipment, rubber safety mulch and poured in place rubber surfacing.	Many of the Parks playgrounds provide limited handicapped accessibility as well as outdated and potentially hazardous play equipment and safety surfacing. Studies have shown that two-thirds of playground injuries result from falls to inappropriate surfacing below the equipment. Other injuries often occur from protrusions, sharp edges, hot surfaces, pinch points. Current equipment at these locations has been in existence for many years and is far from being in compliance with current industry standards. The U.S. Consumer Product Safety Commission has established standards for playground equipment and safety surfacing. Traditionally play equipment was not designed with a high degree of regard for safety standards and handicap accessibility. New equipment and safety surfacing is designed in conjunction with the new CPS safety guidelines to eliminate these common problems. This appropriation will be provide significantly improved handicapped accessibility, compliant play equipment and a combination of poured in place safety surfacing and rubber mulch.	$0	2014
25	Loring Arena Accessibility Improvements- Wheelchair Lift	$32,917	Installation of a wheelchair lift at Loring Arena.	The Loring Ice Arena was built in the early 1960's, and as a result has extremely limited accommodation related to handicapped spectator viewing. In the attempt to make some immediate improvements, the Parks and Recreation Department has researched several options that include raised platforms and wheel chair lifts. The installation of this wheelchair lift will provide handicapped spectators with access to the top tier of viewing perspective. The Parks and Recreation Department's Capital Plan includes a $2.8 million dollar figure to modernize the building and bring it up to code.	$0	2014
26	F550 4x4 Grain Body for leaf and woodchip collection	$102,127	F550 4x4 Grain Body for leaf and woodchip collection. The information source for this vehicle is Larry Christenson at MHQ. Price includes an adjustment for the 2010 model.	This vehicle replaces a 2000 F450 with 32,522 miles without 4-wheel drive. The vehicle is used throughout the year for transporting crew, equipment, and materials to job sites. The vehicle is used specifically for leaf collection in the spring and the fall. Due to the weather conditions during these times of year, the vehicle needs 4-wheel drive to pull the leaf collection vacuum in wet and muddy areas, without getting stuck. During the winter this vehicle is used for collection of woodchips from brush and tree removal. Due to the site conditions and weather during the winter the vehicle needs 4-wheel drive to pull the chipper and avoid getting stuck.	$0	2015
27	F350 4x4 Dual Cab Dump Truck 10,000 GVW	$36,714	F350 4x4 Standard Cab Pick Up 10,000 GVW	All purpose vehicle used to transport park and maintenance workers, equipment, material, and trailers, to various job sites. This vehicle replaces a 2000 F450 Dump w/ 55,155 Miles.	$0	2015
28	F350 4x4 Standard Cab Pickup 10,000 GVW	$30,748	F250 4x4 Extended Cab Pickup	All purpose vehicle used to transport park and maintenance workers, equipment, material, and trailers, to various job sites. Replacing a 2001 F350 4x4 Regular Cab pickup with 52,937 miles.	$0	2015
29	Longs/Loring Parking Reconstruction	$672,003	Grind, grade, pave and restripe the parking areas shared by the Longs Athletic Complex and Loring Arena.	Parking surface conditions at the Longs Athletic Complex and Loring Arena are in disrepair. Current conditions include pot holes, puddeling and pooling of water, and worn parking lines. These conditions continue to deteriorate each season due to the freeze thaw cycle associated with New England weather. Current line striping is faded does not clearly delineate no parking zones.	$0	2015
30	Merchant Road Soccer Field Restrooms and Storage	$87,550	Installation of a building containing restrooms and storage at the Merchant Road soccer field.	Merchant Road soccer fields are used spring, summer and fall by town residents and visiting players. This remote location does not have sanitary facilities and requires the use of portable toilets. These portable toilets have health and safety issues in addition to aesthetic shortcomings. Installation of permanent facilities will significantly increase the user experience at this popular facility.	($2,000)	2015

31	Park Property Video Surveillance Phase 1- Arlington St., Mary Dennison	$47,408	Installation of video surveillance equipment at various parks locations throughout town.	Framingham has a very diverse mix or parks properties ranging from remote to heavily used. Public safety has become a concern at some of these locations. Each location has challenges related to monitoring and ensuring patron and property safety. Installation of this equipment will allow for monitoring these areas and trying to meet the challenges each location presents. Video equipment will allow programming and security enhancement and increase safety and enjoyment of the properties.	$0	2015
32	Miscellaneous Building Roof replacement Phase 1	$39,032	Replacement of roofs at various park locations. This phase would replace the roofs at Waushakum Beach, Mary Dennison Bathrooms, Danforth Park Storage Building, Longs Concession, and Little League Concession, Cushing Building #2, Cushing Building #3.	Parks outbuilding roofs have begun to show wear due to New England weather. Proper planning dictates inclusion of these facilities in the capital budget plan. Buildings are showing wear at differing rates and proposed phases may be adjusted to reflect current conditions.	$0	2015
33	Loring Arena End Wall Reconstruction	$600,000	Reconstruction of the end walls at Loring Arena.	The existing end walls are original construction and consist of a system of panels with metal framing. Testing has revealed that original construction materials include lead paint and asbestos. Due to current condition and hazardous materials, repair of the panel system is not a viable option and removal is not cost effective. This project will reconstruct end walls on both the inside and outside of the existing walls. These new walls will encapsulate the hazardous materials, provide an aesthetically pleasing appearance, and improve building energy efficiency.	$0	2015
34	Beach Landscape & Design Improvements Phase 1- Waushakum	$72,000	Aesthetic improvements including new walkways, plantings, benches, picnic areas.	The Town Beaches are antiquated in appearance. Beautification of our Town owned properties creates a sense of pride in the community. These requested improvements are often mentioned by beach patrons. After visiting surrounding Town facilities, it was decided that these improvements are needed.	$0	2015
35	(Open Space Acquisition) Expansion of Cushing Memorial Park	$2,500,000	Possible future expansion of Tercentennial Park through adjacent land acquisition. Through the insight of the Town Government and Framingham residents, the Town was able to acquire the large parcel of land formerly the site of Cushing Hospital. In conjunction with intensive input from the residents of Framingham a Master Plan for redevelopment was conceived and approved by Town Meeting. Implementation of the first three phases of the Master Plan has begun the transformation of the former Cushing Hospital Property into a central park for the Town of Framingham. This park is currently used for passive recreation by hundreds of people daily, during all seasons of the year.	The large tract of land adjacent to Tercentennial Park is the last remaining large parcel of privately owned and undeveloped land in the area. If the land ever becomes available the department feels that it would be in the best interest of the town to acquire this property. The location of this parcel adjacent to Tercentennial Park creates an unique opportunity for the Town to potentially expand the current park acreage and preserve additional open space.	$0	2015
36	Loring Arena Zamboni	$111,115	Replacement of the Zamboni ice resurfacer at Loring Arena.	The current Zamboni was purchased in 1997 and has approximately 4,700 hours on it, which is equivalent to 164,500 miles. FY11 we spent roughly $11,000 on maintenance and service.	$0	2015
37	Playground	$45,398	This is phase 2 of a	Industry studies have shown that two-thirds of all	$0	2015

	Fiber Mulch Safety Surfacing Replacement Phase 2		multi-phased project to bring the safety surfacing at Town playgrounds up to industry standards.	playground injuries result from falls to improper safety surfacing below play structures. The Town currently has regular wood chips in most locations. These chips are not ADA compliant and do not meet industry standards. Regular woodchips have sharp edges which can cause injury and can contain contaminants such as poison Ivey. We propose replacing the existing woodchips with Wood Fiber, which is a processed wood material that is certified to meet both ADA requirements for accessibility and industry standards for safety.		
38	Relamping Baseball Fields	$59,400	Relamp and Clean Lenses at four lighted ball fields, Bowditch, Ryan, Mary Dennison, Winch. Maintenance checks are also performed for failing hardware and cross arms. This project contains a 15% construction contingency.	The present lights are over 11 years old. After a certain number of hours in use the output of the lamps reduces by approximately 40%-50% of original lighting capacity. Industry standards require specific lighting levels to ensure safe play. Routine replacement of lamps and maintenance of fixtures to provide accurate aiming and clean lenses improves performance. These locations are used extensively by Framingham High, Framingham State College, Keefe Tech, Framingham Legion, Senior Babe Ruth, Town Softball, corporate user groups, and resident user groups. Quote provided by J. E. Geurtin Co.	$0	2015
39	Park & School Fence Replacement Phase IV	$401,680	Demolish and replace various size chain link fence, gates, and guardrail at schools and parks. This quote contains a 15% contingency fee.	This is phase 3 of an approved program with expected implementation by the Town, see report of 1996. Fencing is an important feature at our locations. Properly installed and maintained fencing improves public safety, protects field access from vehicle damage-reducing unnecessary repair expenses, and improves aesthetics. Most fencing lasts 15-20 years. A majority of the areas in this phase are well over 40 years old. The department has completed Phase 1 & 2 of this project. This phase includes addition of safety fencing for the player bench areas at multiple little league and softball fields throughout town. NOTE: This project has also been submitted in the Capital Debt Exclusion program under Miscellaneous Property Improvements.	$0	2015
40	Softball Field Lighting-Mass Bay/Farley Field	$127,500	Installation of lighting and electrical service for Mass Bay/Farley Field.	Increased programming in the Parks and Recreation Dept., School Dept., and an increase in community user groups, results in an immediate need for additional space to schedule events. The most effective short term means of meeting these needs is extending the hours of use for various locations throughout the Town. Addition of lighting to this field will enable scheduling of events into the evening. The will allow for increasing scheduling flexibility and field availability to meet increased user demand. Currently there is no lighting on this field. There is a possibility that Framingham Girls Fastpitch Softball may contribute to this project There is a possibility that Keefe Tech School can do the installation at a savings of approximately $35,000.	($2,000)	2015
41	F550 4x2 Trash Packer	$89,494	F550 4x2 Trash Packer	This vehicle is used to remove trash from Parks and Recreation and recreation properties and events throughout the year. This vehicle is also used to remove trash from other Town owned properties and events. This vehicle replaces a 207 F550 with 50,031 miles.	$0	2016
42	Ford F650 J-Hook	$149,969	Ford F750 J-Hook	This vehicle is an all purpose vehicle used to transport park and maintenance workers, equipment, material, and trailers, to various job sites. In addition this vehicle has multiple attachments that are able to be changed and transported as different projects arise. These attachments include, leaf vac, dump body, material container, and water tank. This vehicle replaces a Ford F750 Jhook with 12,625miles.	$0	2016
43	Kubota Tractor L4740 GST 4x4	$37,511	Kubota Tractor L4740 GST 4x4	This vehicle is essential to day to day operations in all seasons. The tractor is used for material handling, turf maintenance attachments, and snow removal. This vehicle replaces a 1997 Kubota Tractor w/ 822 Hours which is equivalent to 28,770 driving miles.	$0	2016
44	Cushing Memorial Park Phase 6	$600,000	Phase 6 of the development of Cushing Memorial Park	This project has been approved by Town Meeting and Framingham Residents. A comprehensive Master Plan was completed in 2001 with significant cooperation and participation of Town Residents. The park has become the central park in Framingham and is used by hundreds of residents daily for passive recreation. An Urban Self Help Grant Application will be filed for Phase VI in the same manner as Phases I,II, and III, IV, and V. It is recommended to appropriate this money at the Annual Town Meeting contingent on obtaining a letter of grant award. This	$0	2016

				will avoid calling a special Town Meeting to participate in the reimbursable grant program. Note: This project has also been submitted in the Capital Debt Exclusion program under Tercentennial Total Build Out.		
45	Bowditch Track Reconstruction & Synthetic Field	$2,599,830	Reconfiguration and reconstruction of the track at Bowditch Field and construction of a new synthetic field.	As a portion of the Bowditch Athletic Complex Renovations, the grandstands are being moved back on each side of the field. Moving the grandstands allows future expansion of the playing field to include full dimension soccer fields. As a result of the expansion of the field the track will need to be reconfigured and replaced. The current thought process is to reconfigure and replace the track at that point in the future that the current rubber surface shoes significant wear, and would need refurbishment. During the installation of the new track an assessment would be made regarding the installation of a new synthetic playing surface. Turf surface could remain at a significantly reduced figure over a synthetic installation.	$0	2016
46	Tennis and Basketball Court Resurfacing Phase 2 - Bowditch Tennis and Basketball	$284,442	Resurfacing of the sport courts, installation of new fencing, and installation of new tennis and basketball hardware.	Typically tennis and basketball courts need to be resurfaced every 10-15 years.	$0	2016
47	Park and School Fence Replacement Phase V	$360,223	Demolish and replace various size chain link fence, gates, and guardrail at schools and parks. Phase 3 includes Framingham High School, Barbieri, Hemenway, Juniper Hill, and Potter Road. This quote contains a 15% contingency fee.	This is phase 3 of an approved program with expected implementation by the Town. See report of 1996. Parks and Athletic fields need fencing to control activities and protect field from damage by vehicles. Without proper controls in place, maintenance becomes very difficult and expended resources less effective. Most fencing lasts 15-20 years. Most of the areas described are well over 40 years. Deteriorated fencing is a detraction to our neighborhoods and public properties. The department has completed Phase 1 & 2 of this project.	$0	2016
48	Play. Equip \ Hand. Access., Phase 4-Winch Park	$77,050	The Parks and Recreation Department has a play structures list that is prioritized according to equipment in need of replacement or upgrade. Phase 4 of this replacement program will provide funding to significantly improve Winch Park. The budget estimate is based on a project currently under construction with associated pricing provided by Weston and Sampson Architectural Firm and includes accessibility improvements, play equipment, rubber safety mulch and poured in place rubber surfacing.	The U.S. Consumer Product Safety Commission has established new standards for playground equipment. Traditionally play equipment was not designed with a high degree of regard for safety standards and handicap accessibility. Current equipment at these locations has been in existence for many years and is far from being in compliance with current industry standards. Injuries often occur from protrusions, sharp edges, hot surfaces, pinch points, and entrapment areas. New equipment is designed in conjunction with the new CPS safety guidelines to eliminate the common problems. This appropriation will be allocated to several Town facilities in need of upgrade.	$0	2016
49	Loring Arena Energy Improvements	$81,250	Upgrade and improvement of the various mechanical energy systems of the rink including heating for spectator areas, hot water boiler and distribution system.	To provide comfort for rink users and patrons and improve the reliability and efficiency of the hot water system.	$0	2016
50	Miscellaneous Building Roof Replacement Phase 2	$49,170	Replacement of roofs at various park locations. this phase will replace the roofs at buildings #1 and #2 at Tercentennial Park.	Building #1 houses various Recreation Programs in addition to a wood working shop and field painting supplies and equipment. Building #2 houses all of the fertilizers and turf treatment products for the Parks Maintenance operations. Parks outbuilding roofs have begun to show wear due to New England weather. Proper planning dictates inclusion of these facilities in the capital budget plan. Buildings are showing wear at differing rates and proposed phases may be adjusted to reflect current conditions.	$0	2016

51	Butterworth Athletic Fields Renovation and Irrigation	$528,300	Complete renovatin of 9 acres of softball, baseball, & multi purpose area at Butterworth Complex including irrigation, 1" top dressing and clay infield installation. This project quote contains a 15% Engineering fee, 15% contingency fee, 10% Overhead and Profit Fee	This is a continuation of a field improvement plan that has been in progress. Fields are getting intense use year round and acceptable field conditions cannot be achieved without irrigation. The has been a tremendous shift in society's interest and expectations toward recreation and athletic filed conditions. Community organizations using public facilities have increased demand, types of services required, and length of seasons.	($9,000)	2016
52	Saxonville Beach Landscape and Design Improvements	$72,000	Improvements to landscape, linkage to the bathhouse from the parking, and other amenities.	The Town Beaches are antiquated in appearance. Beautification of our Town owned properties creates a sense of pride in the community. These requested improvements are often mentioned by beach patrons. After visiting surrounding Town facilities, it was decided that these improvements are needed. MWRA awarded monies to improve the bathhouse, and our department completed that project for the 01 summer season. The Saxonville beach committee has been instrumental in improving the beachfront area and has requested that additional improvements be made to the area to enhance appearances and function. NOTE: This project has also been submitted in the Capital Debt exclusion program under Miscellaneous Property Improvements.	$0	2016
54	Park Signage Program Phase 3	$32,712	Installation of a signage program for Parks and Recreation properties throughout town.	Current signage throughout our Parks is outdated and limited in impact as well as aesthetics. Beautification of Parks properties lends to neighborhood stabilization and a sense of pride in community. Proposed signage will create a common theme for all Park owned properties, while improving the aesthetic qualities of the property. Signage will be placed in highly visible area.	$0	2016
55	F450 4x4 Crew Cab Dump Truck 16,000 GVW	$62,782	F450 4x4 Crew Cab Dump Truck 16,000 GVW	This vehicle is used to haul maintenance crews, materials, trailers and other pieces of equipment to various park locations throughout the town. This vehicle replaces a 2006 F450 4x4 Crew Cab Dump Truck w/ 26,598 Miles	$0	2017
56	F450 4x4 Reg Cab Dump Truck 16,000 GVW	$55,962	F450 4x4 Reg Cab Dump Truck 16,000 GVW	This vehicle is used to haul maintenance crews, materials, trailers and other pieces of equipment to various park locations throughout the town. This vehicle replaces a 2007 F450 4x4 Reg Cab Dump w/22,687 miles	$0	2017
57	Case MTX 570 Loader	$75,744	Case MTX 570 Loader.	This vehicle is essential to our day to day operations. This laoder is used to move and load materials daily, move heavy pieces of equipment, operate field maintenance attachments, and perform snow removal. This replaces a 2005 Case Loader W/3,353 miles which is the equivalent of 117,355 Miles	$0	2017
58	Beach Landscape & Design Improvements Phase 3 - Learneds	$72,000	Aesthetic improvements including new walkways, plantings, benches, picnic areas.	The Town Beaches are antiquated in appearance. Beautification of our Town owned properties creates a sense of pride in the community. These requested improvements are often mentioned by beach patrons. After visiting surrounding Town facilities, it was decided that these improvements are needed.	$0	2017
59	Play Equip. / Hand. Access., Phase 5-Temple Street Park	$77,050	The Parks and Recreation Department has a play structures list that is prioritized according to equipment in need of replacement or upgrade. Phase 5 of this replacement program will provide funding to significantly improve Temple Street Park. The budget estimate is based on a project currently under construction with associated pricing provided by Weston and Sampson Architectural Firm and includes accessibility improvements, play	Many of the Parks playgrounds provide limited handicapped accessibility as well as outdated and potentially hazardous play equipment and safety surfacing. Studies have shown that two-thirds of playground injuries result from falls to inappropriate surfacing below the equipment. Other injuries often occur from protrusions, sharp edges, hot surfaces, pinch points. Current equipment at these locations has been in existence for many years and is far from being in compliance with current industry standards. The U.S. Consumer Product Safety Commission has established standards for playground equipment and safety surfacing. Traditionally play equipment was not designed with a high degree of regard for safety standards and handicap accessibility. New equipment and safety surfacing is designed in conjunction with the new CPS safety guidelines to eliminate these common problems. This appropriation will be provide significantly improved handicapped accessibility, compliant play equipment and a combination of poured in place safety surfacing and rubber mulch.	$0	2017

			equipment, rubber safety mulch and poured in place rubber surfacing.			
60	Irrigation Wells-Miscellaneous Sites	$287,500	Installation of irrigation wells at 12 playing fields- Bowditch, Galvani, Fuller, Butterworth, Mary Dennison, Long's Little League, Barbieri, Victory, Center Common, King, Winch, and Potter Road. This project contains a 15% construction contingency , 15% engineering contingency, and 10% overhead and profit figure.	Well water will significantly reduce the cost of water related to the use of irrigation, in addition to allowing for irrigation to continue regardless of water supply issues related to MWRA. NOTE: This project was also submitted in the Debt exclusion project under Miscellaneous Property Improvements.	$0	2017
61	Winch Lower Synthetic Turf Installation	$796,875	Installation of Synthetic Turf at Framingham High School.	The lower practice field is used all school year for phys ed classes and after school sports. The traffic is so heavy it becomes impossible to maintain natural turf, and difficult to close the field down for maintenance due to the proximity and needs of the high school. We have moved this up in the Capital requests as the conditions of the fields have become a safety issue.	$0	2017
62	Loring Arena Renovations	$2,800,000	This renovation program will provide 4 locker rooms with adjacent shower and toilet facilities, mens and ladies rooms, skate shop, snack bar, lobby/office, building code issues, handicapped accessibility, and some mechanical systems.	The arena has been in operation for 41 years. The building needs design modifications to provide effective public service. Since the rink opening it was common occurrence to have teams changing in makeshift areas, cars, hallways, etc...The addition of girls hockey has exacerbated the problem. (See enhancement study of March 16, 2001 by Veitas Engineering.) Note: This project has also been submitted to the Capital Debt Exclusion program under Loring Arena Enhancements.	$0	2017
63	Furber Park Retaining Wall and Irrigation	$126,875	Installation of a retaining wall and irrigation at Furber Park.	Furber park is a neighborhood park with limited parking. Installation of a retaining wall will create additional off street parking, in addition to improving usability of the facility. Currently there is no irrigation at this location. Installation of irrigation will allow for establishment of improved natural turf and significantly improve safety and playing conditions on the field.	$0	2017
64	Tennis and Basketball Court Resurfacing Phase 3 - Butterworth Courts	$259,469	Resurfacing of the sport courts, installation of new fencing, and installation of new tennis and basketball hardware.	Typically tennis and basketball courts need to be resurfaced every 10-15 years.	$0	2017
65	Farm Pond Shelter and Public Toilet Construction	$173,712	Shelter and Public Toilet construction at Farm Pond.	Farm Pond is a major area where group outings and picnics are held. There is no shelter for protection from the sun and rain. In addition to lack of shelter the park has no restroom facilities for patrons, which results in public health concerns. This pricing does not include shipping, infrastructure installation, site prep, crane, associated installation services.	$0	2017
66	Brush Bandit 1590XT Brush Chipper	$49,401	Brush Bandit 1590XT Brush Chipper.	This piece of equipment is used to chip brush and tree debris on Parks, Conservation, School, and Selectman owned parcels of land throughout the Town. This replaces a 2001 chipper W/ 2,746 hours which is equivalent to 96,110 driving miles.	$0	2018
67	F250 4x4, Extended Cab Pickup, 8,800 GVW	$31,009	F250 4x4, Extended Cab Pick Up, 8,800 GVW	All purpose vehicle used to transport park and maintenance workers, equipment, material, and trailers, to various job sites. This vehicle replaces a 2006 F250 4x4 Ext Cab pick up w/28,075 miles.	$0	2018
68	F350 4x4 Extended Cab 10,000 GVW	$34,068	F350 4x4 Extended Cab 10,000 GVW	This vehicle is used to transport workers, materials, trailers and other pieces of equipment to various job sites throughout the Town. This vehicle replaces a 2008 F350 4x4 Extended Cab W/20,882 miles.	$0	2018
69	Lighting Mary Dennison II Softball Field	$161,250	Lighting Mary Dennison II softball field.	Increased programming in the Parks and Recreation Dept., School Dept., and community user groups, results in an immediate need for additional space to schedule events. The	($1,000)	2018

				most effective short term means of meeting these needs is extending the hours of use for various locations throughout the Town. Addition of lighting to this field will enable scheduling of events into the evening, increasing scheduling flexibility and field availability to meet increased user demand. In addition to scheduling flexibility addition of lights to this field will allow for the entire mens softball league to run at the Mary Dennison location. This move eliminates the situation of young children playing baseball with adults playing softball on adjacent fields. Currently there is no lighting on this field.		
70	Tennis and Basketball Court Resurfacing Phase 4 - Anna Murphy, Arlington St, Furber, Mt. Wayte	$215,381	Resurfacing of the sport courts and installation of new fencing, and installation of new tennis and basketball hardware.	Typically tennis and basketball courts need to be resurfaced every 10-15 years.	$0	2018
71	Barbieri Complex Renovation & Irrigation	$484,035	Complete renovation and irrigation of 5.29 acres of playing fields located at Barbieri School.	This is a continuation of a field improvement plan that was voted by Town Meeting when the School Fields were transferred to the Park Dept. Fields are getting intense use year round, acceptable field conditions cannot be achieved without irrigation. There has been a tremendous shift in society's interest and expectations toward recreation and athletic field conditions. Community organizations using public facilities have increased types of services and length of seasons. This plan was reviewed by Town Meeting with expectation toward implementation.	($9,000)	2018
72	Waushakum Beach Handicapped Accessibility Improvements	$250,000	Handicapped accessibility improvements to Waushakum Beach.	Current design of the Waushakum Beach bath house is not handicapped accessible.	$0	2018
73	Rollerblade and Skateboard Park	$393,750	Construction of a Rollerblade and Skateboard Park	Currently there is no formal area for children to skateboard and rollerblade.	$0	2018
74	Walsh restrooms and storage	$90,792	Addition of restrooms at the Waslh Athletic Complex.	With three softball fields, two multipurpose athletic fields, tennis, track and playground facilities on site, there are no restrooms for amenity users. Currently participants must use restrooms in the school when the school is open. Night and weekend facility user groups do not have access to restrooms. Price includes construction and engineering contingencies in addition to overhead and profit for a general contractor if needed.	$0	2018
75	Ford Explorer 4x4 Utility Vehicle	$28,529	Ford Explorer 4x4 Utility Vehicle	This is the Diviion Director's vehicle. This replaces a 2004 Explorer W/24,896 miles.	$0	2019
76	F550 4x4 Crew Cab Dunp Truck 17,950 GVW	$64,536	F550 4x2 Crew Cab 17,950 GVW	This vehicle is used to haul heavier equipment, trailers, and materials to Parks locations throughout the town. This vehicle is also used to transport parks maintenance crews This vehicle replaces a 2008 F550 4x2 w/17,975 miles.	$0	2019
77	F550 4x4 Regular Cab Dump Truck 26,000 GVW	$57,716	F650 4x2 Regular Cab Dump Truck 26,000 GVW	This vehicle is used to haul heavier equipment, trailers, and materials to Park locations throughout the Town. This vehicle replaces a 2000 F250 4x2 regular cab pick up truck w.	$0	2019
78	Play. Equip. and Handicapped Access Improvements Phase 6-Mason Park	$77,050	Replacement of play structures at Butterworth Park. The installation of these structures will be a step towards compliance with Consumer Product Safety Commission standards, and handicap accessibility.	The U.S. Consumer Product Safety Commission has established new standards for playground equipment. Traditionally play equipment was not designed with a high degree of regard for safety standards and handicap accessibility. Current equipment at these locations has been in existence for many years and is far from being in compliance with current industry standards. Injuries occur from protrusions, sharp edges, hot surfaces, pinch points, and entrapment areas. New equipment is designed in conjunction with the new CPS safety guidelines to eliminate the common problems. This appropriation will be allocated to multiple Town facilities in need of upgrade.	$0	2019
79	Mary Dennison Renovation & Irrigation	$980,030	Renovation of 12.9 acres of playing fields located at the Mary Dennison Complex.	This project represents the continuation of a Town-wide field improvement initiative. Field use in the Town is intense for all of our locations. These conditions have been magnified as community user groups continue to multiply, and additional space is not available. The carrying capacity of the athletic fields across the Town are significantly impacted. Without a consistent effort to improve maintenance capabilities, safe	($9,000)	2019

				and acceptable playing conditions cannot be achieved. Installation of an irrigation system at this location will improve the ability of the Department to maintain safe conditions throughout the playing season, regardless of natural conditions.		
80	Toro Groundmaster 580-D 4x4	$97,900	Toro Ground Master 580-D 4x4 gang mower.	Used to maintain large acreage areas and municipal play fields. This peice is critical for the mission to service the needs of the residents. This replaces a 2008 gang mower with 800 hours which is equivalent to 28,000 miles.	$0	2020
81	Kubota Tractor L4740 GST 4x4	$39,138	Kubota Tractor L4740 GST 4x4	This vehicle is essential to day to day operations in all seasons. The tractor is used for material handling, turf maintenance attachments, and snow removal. This vehicle replaces a 2006 Kubota Tractor w/ 798 Hours which is equivalent to 27,930 driving miles.	$0	2020
82	Ford Escape 4x4	$24,909	Ford Escape 4x4	This vehicle replaces a 2006 Ford Taurus 4 Door Sedan with 31,927 miles. This recreation vehicle is used for managing over 200 plus recreation programs and staff. Travel includes three town beaches, out of town programming, conducting quality assurance check on programs throughout town and department administrative business. Additionally, our programming needs during the winter months require us to drive to our ski and skating programs in winter weather.	$0	2020
83	Danforth Restrooms	$150,000	Bringing the Danforth Park bathrooms back online.	Danforth Park is a heavily used neighborhood park that has a baseball field that is used during the spring, summer and fall. The current building does have restroom facilities but they are disconnected and the condition of the infrastructure and equipment is unknown. This price is an estimate.	$0	2020
84	Beach Dock Replacement Phase 2	$65,000	Replacement of 14 sections of beach dock and associated equipment. These docks will be rotated into the curent inventory and replace the most worn sections.	Beach docks have begun to show significant wear. This wear is attributed to several factors including use, weather, transport and storage associated with beach opening and closing each year.	$0	2020
85	Bobcat Skid Steer Loader	$36,019	Bobcat S185 Skid Steer Loader	This vehicle is essential to day to day operations in all seasons. The tractor is used for materail handling, turf maintenance, and snow removal. Replaces a 2010 Bobcat.	$0	2021
86	F350 4x4 Stake Body Dump	$44,030	F350 4x4 Stake Body	This vehicle is used to transport personnel, materails, trailers, and other pieces of equipment to various sites throughout town. This vehicle is equipped with plow and is used to maintain Park division facilities throughout town during the winter. This vehicle replaces a 2009 stake body.	$0	2021
87	F250 4x4 Regular Cab Pickup	$28,637	F250 4x4 Regular Cab Pick Up	This vehicle is used to transport personnel, materials, trailers and other pieces of equipment to various sights throughout town. THis vehicle replaces a 2011 F250 4x4 Regular Cab Pickup.	$0	2021
88	Potter Road Athletic Field Renovation & Irrigation	$368,354	Complete renovation of Potter Road 3.41 acres of playing fields.	This project represents the continuation of a Town-wide field improvement initiative. Field use in the Town is intense for all of our locations. These conditions have been magnified as community user groups continue to multiply, and additional space is not available. The carrying capacity of the athletic fields across the Town are significantly impacted. Without a consistent effort to improve maintenance capabilities, safe and acceptable playing conditions cannot be achieved. Installation of an irrigation system at this location will improve the ability of the Department to maintain safe conditions throughout the playing season, regardless of natural conditions.	($9,000)	2021
89	Tennis and Basketball Court Resurfacing Phase 5	$178,102	Resurfacing of the sport courts, installation of new fencing, and installation of new tennis and basketball hardware.	Tennis and Basketball courts typically need to be resurfaced every 10 - 15 years.	$0	2021
90	Park Property Video Surveillance Phase II	$49,562	Installation of video surveillance equipment for park properties in Town	Framingham has a very diverse mix or parks properties ranging from remote to heavily used. Each location has challenges related to monitoring and ensuring patron and property safety. Installation of this equipment will allow for monitoring these areas and trying to meet the challenges each location presents. Video equipment will allow programming and security enhancement to increase safety and enjoyment of the properties.	$0	2021

Print

Capital Budget Request FY 2013

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Request Title	Department	Priority
F350 4x4 Maintenance Body	Parks and Recreation	1
Category	Division	Priority
Equipment (Rolling)	Parks and Recreation	1

Type	Submitter
Replacement	Robert L. Merusi
Status	Submitter Title
Submit	Division Director

Request Description
F350 4x4 maintenance body vehicle with tool boxes.

Request Justification
This vehicle is primarily used by the division mechanic. The vehicle is used to store and transport tools, equipment, and materials to all areas of Town as required to repair and maintain vehicles and equipment in the field. This vehicle replaces a 1997 Ford 350 4x4 maintenance body vehicle with 162,596 miles. The engine in the current vehicle needs major work including rear main seal in engine is leaking and needs replacing, needs new fuel injectors, fuel pump, and glow plugs. In addition to the engine work, the oil pan is rotting and leaking, front axle seal is leaking, rear differential seal is leaking, utility body compartments are rusting with holes, all leaf springs and shocks need to be replaced, the transmission requires work, the vehicle has major rust on chassis, brake lines, spring hangers, cross members, floor boards, and truck bed and is constantly experiencing electrical problems due to corrosion in plug connections. The combination of issues with this vehicle pose a potential safety concern for the operator and public. See mechanics memo included with vehicle information.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$45,411 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$45,411

Proposed Funding Sources	Amount
General Fund	$45,411
	$0
	$0
	$0
	$45,411

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

Framingham
Parks and Recreation Department

475 Union Ave. 508 532 5960

Memorandum

From the desk of Donald Capen

DATE: 10/3/11

TO: Chris McGinty

RE: Capital Budget Vehicle Replacement – 1997 Ford 350 4x4

Chris,
As requested here is a description of the current issues with the 1997 Ford F350 4x4.

- Current mileage is 162,596
- The engine requires major work including replacement of the rear main seal, new fuel injectors, new fuel pump, and new glow plugs.
- The vehicle suspension requires a rebuild including all leaf springs and shocks.
- Front Axle seal is leaking
- Rear differential seal is leaking
- Transmission requires work
- Oil pan is rotting and oil pan seal is leaking
- Needs all new tires and an alignment
- Vehicle has major rust on chassis, brake lines, spring hangers, floor boards, bed, and utility body.
- Electrical system is constantly malfunctioning due to corrosion in the plug connectors.

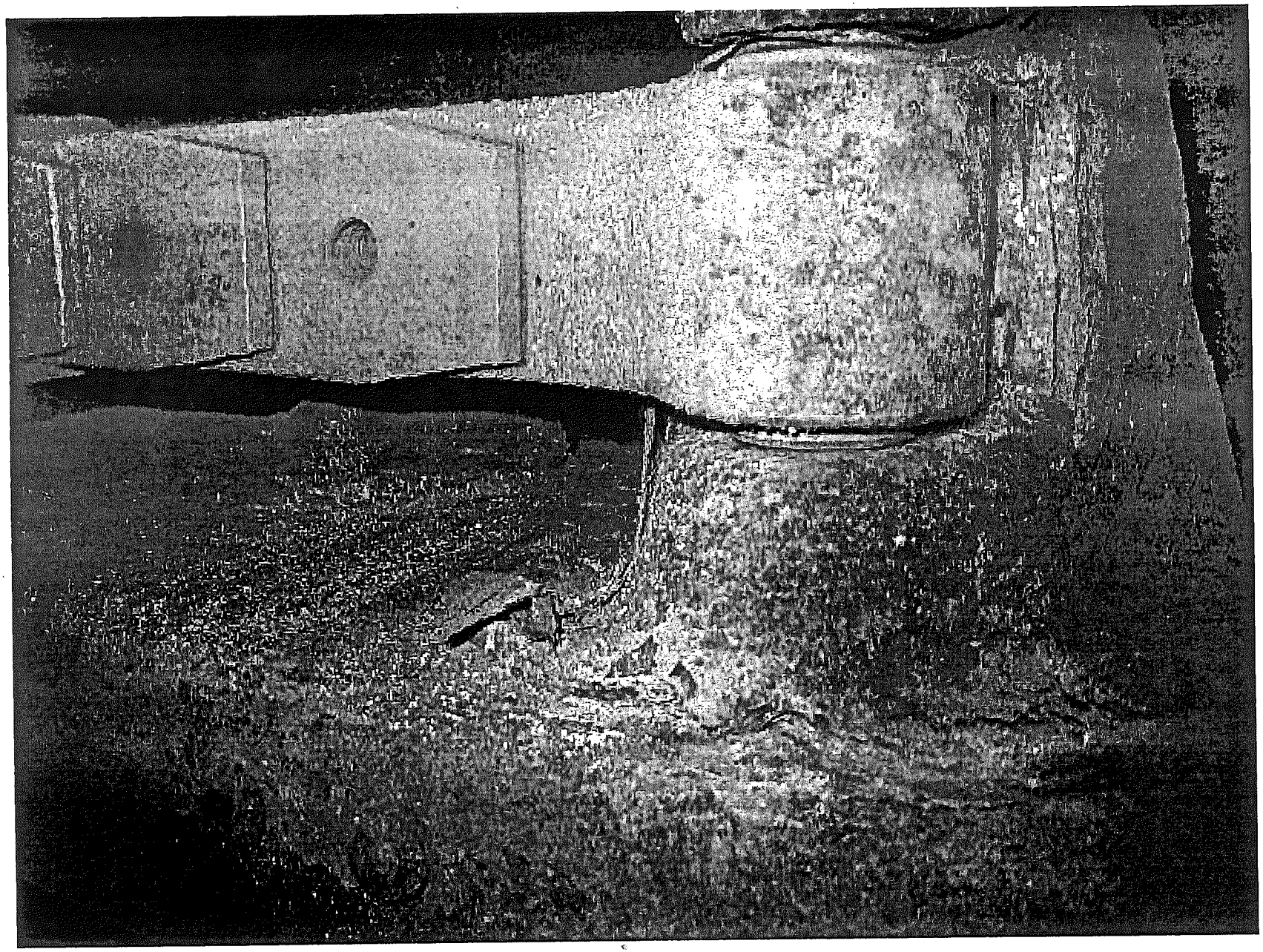
The most pronounced issues with this vehicle are not readily identifiable by visual inspection. The combination of issues with this vehicle creates a potential safety concern for both the vehicle operator and the public.

Regards,

Donald Capen
Mechanic

Rust on underside of vehicle body/frame

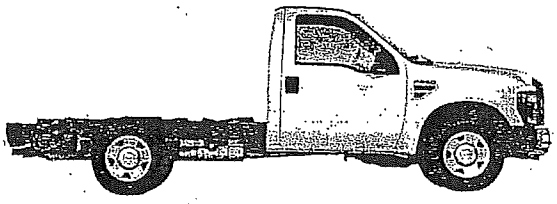
Rust on underside of vehicle body/frame



Rust on leaf springs where they connect to the frame

Plymouth County Commissioners
Cooperative Procurement Specifications

13,000 GVW 4X4 STANDARD SIZE CAB AND CHASSIS



Manufacturer:	FORD MOTOR COMPANY
Model Year:	2011 OR CURRENT
Model Name:	F350 CAB AND CHASSIS
Specification:	11-19/H1.04
Contract Price:	$ 25,845.00

STANDARD EQUIPMENT SUMMARY

- 6.2L V8 FFV gasoline engine
- 5 SPD automatic O.D. transmission
- Power steering
- Front and rear stabilizer bars
- Heavy duty 78 AMP hour battery
- Heavy duty 155 AMP alternator
- 141" wheelbase - 60" cab to axle
- Front axle – mono beam with coil spring
- Rear axle – non limited slip
- Factory snow plow prep suspension
- Seven (7) LT245/75R17E all season tires
- Computer generated front spring capacity
- Rear leaf springs
- Heavy duty gas shock absorbers
- 40 gallon fuel tank, aft-axle
- Four (4) upfitter switches dash mounted
- Full factory gauge package
- Auxiliary power point outlet
- Factory tinted glass windows
- Heavy duty vinyl bench seat
- Air conditioning
- AM/FM radio with digital clock
- Heavy duty vinyl flooring
- Five (5) amber clearance lights
- Interior insulation and headliner
- Intermittent windshield wipers
- Power brakes with 4 wheel anti-lock
- Telescoping trailer towing mirrors
- Scotchlite reflective lettering
- Transfer warning equipment
- Transfer radio equipment

CAB & CHASSIS

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Capital Budget Request FY 2013

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Request Title	Department	Priority
F350 4x4 Crew Cab Pickup 10,000 GVW	Parks and Recreation	2
Category	Division	Priority
Equipment (Rolling)	Parks and Recreation	2

Type	Submitter
Improvement	Robert L. Merusi
Status	Submitter Title
Submit	Director

Request Description
F350 4x4 Crew Cab Pick Up 10,000 GVW

Request Justification
All purpose vehicle used to transport park and maintenance workers, equipment, material, and trailers, to various job sites. This vehicle transports a fleet fuel tank for offsite fueling of equipment. This vehicle replaces a 2008 Ford F650 4x2 regular cab dump truck w/7,874 miles. Our semi-regular need to haul large, heavy loads is being met with a line of multi-use vehicles including an F750 J-hook and two F450 dump body vehicles. Our garages have a limited storage capacity and we find it in the best interest of the Town and our operation to minimize specialized use vehicles. The 2008 F650 4x2 dump truck has a trade in value of $22,000 per Larry Christensen, Fleet Truck Manager at MHQ. See attached letter.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$40,060 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$40,060

Proposed Funding Sources	Amount
General Fund	$40,060
	$0
	$0
	$0
	$40,060

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR
401 Elm Street
Marlborough, MA 01752

September 26, 2011

Town of Framingham
Parks Department

Attn : Chris McGinty

Please find below a quote for a Ford F-350 pickup truck per the Plymouth County Commissioners Cooperative Contract# 09-10-11. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jursidiction. All off contract items must be procured under M.G.L. c. 30B.

	Item#			
		2011 Ford F350 pickup per contract spec.#09-17	$	19,908.00
		Estimated 2012 model increase	$	996.00
	H 1.04	Four wheel drive	$	4,795.00
	H 1.13	4 door Crew Cab cab - 6 3/4' bed	$	3,595.00
	H 1.09	6.7 liter Power Stroke diesel engine	$	7,395.00
	J 1.17	Engine block heater	$	120.00
		Automatic transmission		included
		Color : Forest Green cleracoat		included
		Air conditioning		included
		AM/FM radio w/ clock		included
		Snow plow prep package		included
		(5) all season radial tires		included
		Class III receiver hitch		included
	H11.14	Slide in pintle/ball hitch		135.00
	H 1.14	Electronic shift on the fly		176.00
	H 1.28	Cab steps		325.00
	H11.09	Aluminum Coss body tool box		495.00
	H11.02	Rhino Liner		490.00
H 9.05	H 9.06	Motorla CDM-1250 2-way radio		1,080.00
	C 3.11	Whelen 4-corner hide away LED's amber/red		550.00
	Total Contract Price:		**$**	**40,060.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

M-H-Q MUNICIPAL VEHICLES
Formerly A-M-I
401 Elm Street
Marlborough, MA 01752

Town of Framingham
Park & Recreation Dept.

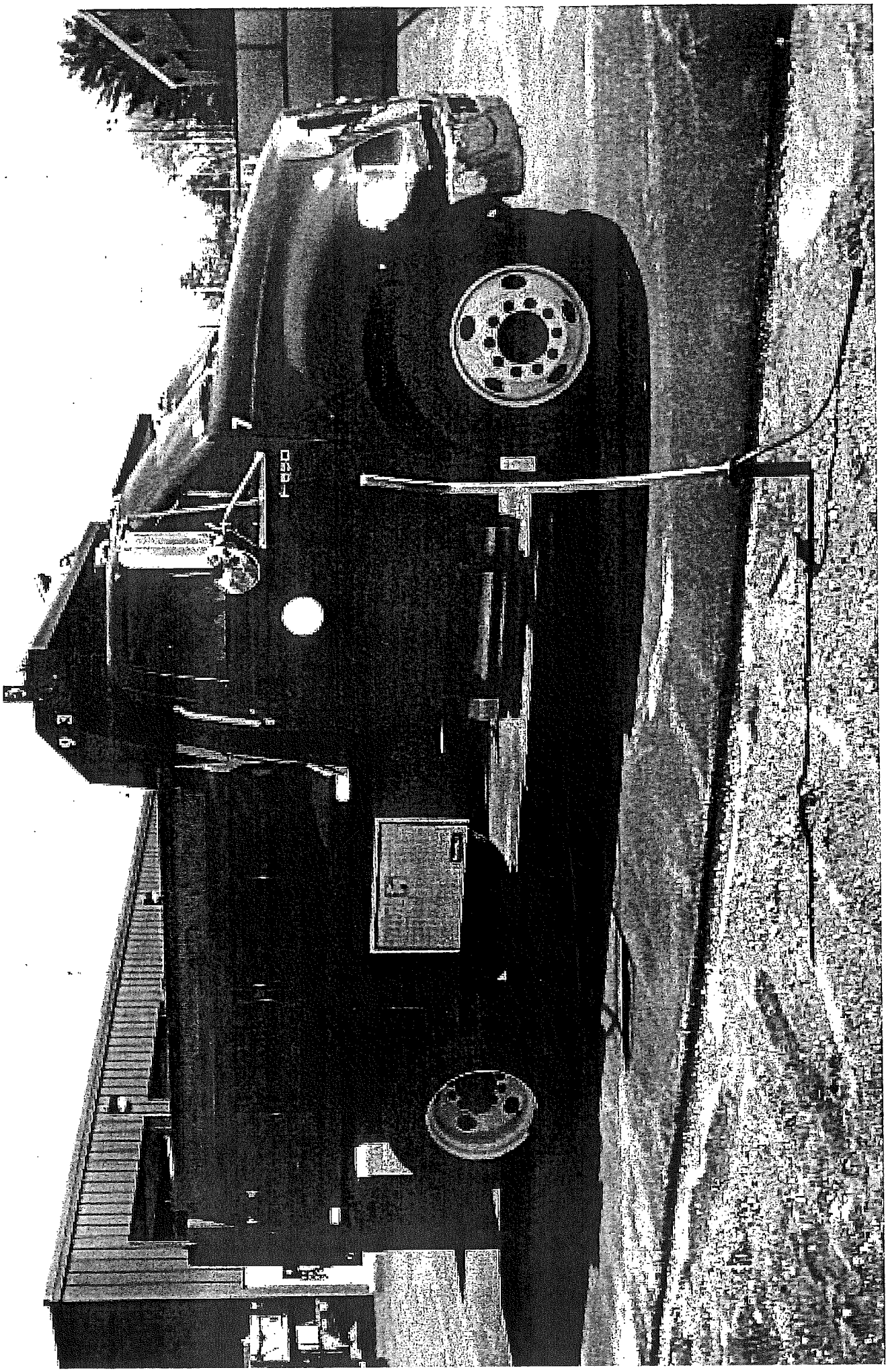
Attn : Chris McGinty

The appraised value for your 2008 Ford F650 dump
Truck is $22,000.00

Let me know if you have further questions.

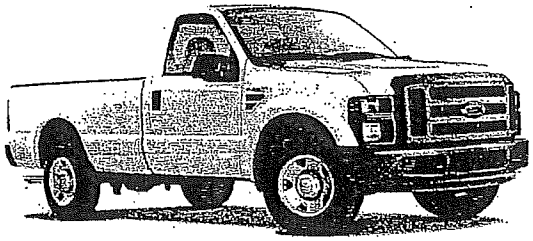
Thanks,
Larry Christensen
Fleet Truck Manager

(508) 573-2622 Fax: (508) 573-2722



Plymouth County Commissioners
Cooperative Procurement Specifications

10,000 GVW 4X4 STANDARD SIZE PICK-UP TRUCK



Manufacturer:	FORD MOTOR COMPANY
Model Year:	2011 OR CURRENT
Model Name:	F350 SUPER DUTY PICK-UP
Specification:	11-17/H1.04
Contract Price:	$ 24,703.00

STANDARD EQUIPMENT SUMMARY

- 6.2L V8 FFV gasoline engine
- 5 SPD automatic O.D. transmission
- Power steering
- Front stabilizer bar
- Heavy duty 72AMP hour battery
- Heavy duty 155 AMP alternator
- Front axle – mono beam with coil spring
- Rear axle - non limited slip
- Snow plow prep package
- Five (5) LT245/75R x 17E all season tires
- 38 gallon fuel tank
- H/D gas shock absorbers
- Intermittent windshield wipers
- Full factory gauge package
- Dual exterior fold away mirrors
- Rear step and tow bumper
- Factory tinted glass windows
- Auxiliary power point outlet
- Interior insulation and headliner
- Heavy duty vinyl bench seat
- Heavy duty vinyl flooring
- 4-wheel anti-lock brakes
- Eight foot styleside body
- Drop down removable tailgate
- Air conditioning
- AM/FM radio with digital clock
- Cargo area flood light
- Scotchlite reflective lettering
- Transfer warning equipment
- Transfer radio equipment

PICKUPS

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Capital Budget Request FY 2013

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Request Title	Department	Priority
F250 4x4 Ext Cab Pickup 8,800 GVW	Parks and Recreation	3
Category	Division	Priority
Equipment (Rolling)	Parks and Recreation	3

Type	Submitter
Replacement	Robert L. Merusi
Status	Submitter Title
Submit	Director

Request Description
F250 4x4, Extended Cab Pick Up, 8,800 GVW

Request Justification
All purpose vehicle used to transport park and maintenance workers, equipment, material, and trailers, to various job sites. This vehicle replaces a 1997 Dodge 4x4 Stake Body w/43,326 miles. After fourteen years of service, this vehicle will require major work on the transmission and engine cooling system to operate safely. The current transmission is slipping consistently and the vehicle overheats after short periods of operation. The combination of issues with this vehicle pose a potential safety concern to the operator and the public. See mechanics memo included with vehicle information.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$38,884 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$38,884

Proposed Funding Sources	Amount
General Fund	$38,884
	$0
	$0
	$0
	$38,884

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
No impact on Operating Budget

Printed 1/20/2012

MHQ
VEHICLES & EQUIPMENT & GEAR
401 Elm Street
Marlborough, MA 01752

October 26, 2011

Town of Framingham
Parks Department

Attn : Chris McGinty

Please find below a quote for a Ford F-250 pickup truck per the Greater Boston Police Council Cooperative Contract. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jursidiction. All off contract items must be procured under M.G.L. c. 30B.

Item#			
	2011 Ford F250 pickup per contract spec.	$	19,510.00
	Estimated 2012 model increase	$	976.00
	Four wheel drive	$	4,295.00
	Extended cab - 6 3/4' bed	$	3,457.00
	6.7 liter Power Stroke diesel engine	$	7,395.00
	6 speed Automatic transmission		included
	Color : (GG) Forest Green		included
	Air conditioning		included
	AM/FM radio w/ clock		included
	Snow plow prep package		included
	(5) all season radial tires		included
	Class III receiver hitch		included
	Slide in pintle/ball hitch		135.00
	Electronic shift on the fly		176.00
	Cab steps		325.00
	Aluminum Coss body tool box		495.00
	Rhino Liner		490.00
	Motorla CDM-1250 2-way radio		1,080.00
	Whelen 4 corner hide away LED's amber/red		550.00
Total Contract Price:		**$**	**38,884.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Framingham
Parks and Recreation Department

475 Union Ave. 508 532 5960

Memorandum

From the desk of Donald Capen

DATE: 10/3/11

TO: Chris McGinty

RE: Capital Budget Vehicle Replacement – 1997 Dodge 3500 4x4

Chris,
As requested here is a description of the current issues with the 1997 Dodge 3500 4x4.

- The transmission is slipping frequently and will require either a new transmission or a complete rebuild of the existing in order to eliminate the problem.
- The engine cooling system requires major work to eliminate constant overheating. A new radiator, thermostat and water pump will be required to fix the problem.

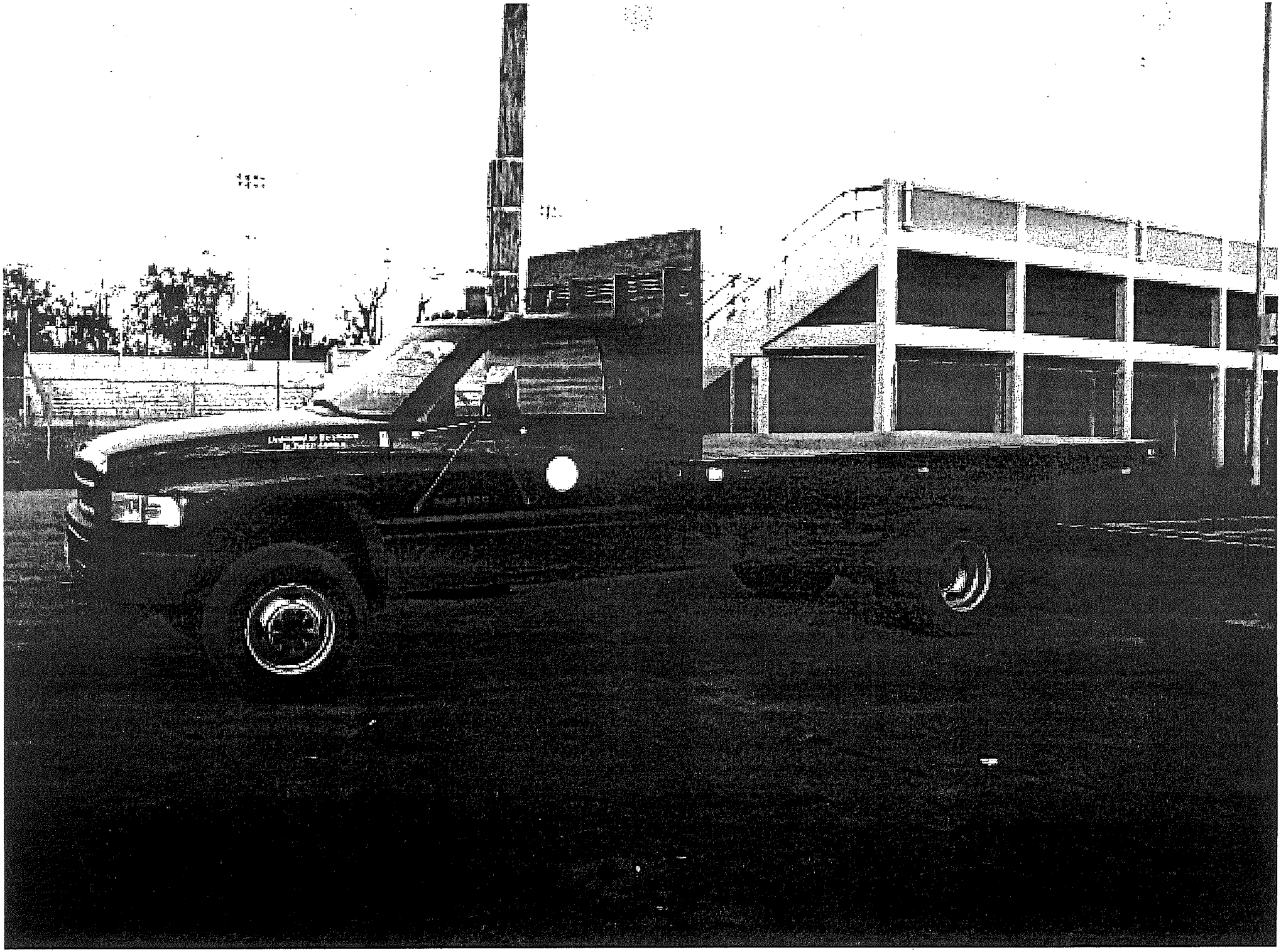
In addition to the work required above, the vehicle has recently required the below repairs:

- Extensive work on the hydraulic dump system.
- Rewiring of the vehicle marker light system due to corrosion and faulty grounding.
- Installing a used door and hinges due to extensive corrosion and rot of the original equipment.

The combination of issues with this vehicle creates a potential safety concern for both the vehicle operators and the public.

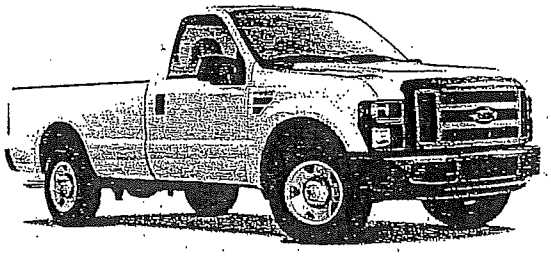
Regards,

Donald Capen
Mechanic



Plymouth County Commissioners
Cooperative Procurement Specifications

8800 GVW 4X4 STANDARD SIZE PICK-UP TRUCK



Manufacturer:	FORD MOTOR COMPANY
Model Year:	2011 OR CURRENT
Model Name:	F250HD SUPER DUTY PICK-UP
Specification:	11-16/H1.04
Contract Price:	$ 23,512.00

STANDARD EQUIPMENT SUMMARY

- 6.2V8 FFV gasoline engine
- 6 SPD automatic O.D. transmission
- Variable ratio power steering
- Front stabilizer bar
- Heavy duty 72 AMP hour battery
- Heavy duty 155 AMP alternator
- Front axle – mono beam with coil spring
- Rear axle – non limited slip
- Factory snow plow prep package
- Five (5) LT245/75R x 17 all season tires
- Argent painted steel wheels
- H/D gas shock absorbers
- Intermittent windshield wipers
- Full factory gauge package
- Manual telescoping trailer tow mirrors
- Trailer receiver hitch
- Rear step and tow bumper
- Factory tinted glass windows
- Auxiliary power point outlet
- Interior insulation and headliner
- Heavy duty vinyl bench seat
- Heavy duty vinyl flooring
- 4-wheel disc brakes with 4-wheel anti-lock
- Eight foot styleside body
- 38 gallon fuel tank
- Air conditioning
- AM/FM radio with digital clock
- Cargo area flood light
- Scotchlite reflective lettering
- Transfer warning equipment
- Transfer radio equipment
- Tire pressure monitoring system

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Capital Budget Request FY 2013

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Request Title	Department	Priority
Loring Arena-Infrastructure repair and replacement	Parks and Recreation	4
Category	Division	Priority
Building	Parks and Recreation	4

Type	Submitter
Improvement	Robert L. Merusi
Status	Submitter Title
Submit	Division Director

Request Description
Engineering and design funds for permanent repairs to arena end walls. Industrial Painting of existing structures for stabilization Removal of failing boiler vent stack and replacement of original boiler.

Request Justification
The existing arena end walls, boiler, and boiler vent stack are original construction from the early 1960's. Years of exposure to the elements coupled with dated technology has brought these materials to the end of their useful life. Coordinating municipal funding cycles, the advanced deterioration of the existing structures, preparation of appropriate designs and bid specifications, receipt of accurate cost estimates, and the arena operating schedules make the solutions to this capital project very complex. The full completion of a plan should be staged over the next few years in order to avoid service disruption. Of immediate concern is to stabilize the structures and slow down the rate of deterioration through an industrial painting contract. Simultaneous to that we should be pursuing options for a permanent fix through design and engineering efforts. We would propose the following: Industrial Painting of East and West Exterior $35,433-see attached estimate Current conditions require an immediate short term solution to stabilize the existing structures. If current conditions are allowed to deteriorate during the design, engineering, and appropriation process, there is potential for a serious public safety issue and or loss of service. The requested appropriation will allow us to hire an industrial painter to scrape and prepare, prime, and paint the exterior surfaces of both end walls. Proper management of already identified hazardous materials and contractor certifications are a part of this initiative. Engineering and Design Options $30,000-see attached email from Capital Project Manager The existing end walls consist of a metal frame and panel system which has deteriorated over the years and now needs to be addressed with a permanent fix. Options for the construction of new walls need to be explored and may require use of outside design consultants. We have included a $7,000 line item for identification of design options for the permanent fix. Removal of existing end walls and hazardous materials, or encapsulating the current structures are options that should be explored. Also, included with this project are the replacement of other directly related building systems identified by the Town's Capital Project Manager, who has done preliminary assessments of the problem. Those additional items would include: • Removal of the old convection heating systems that are attached to the interior of both the east and west end walls. The heating systems are no longer used or needed. • Removal and replacement of the failing boiler vent stack. The current boiler stack is deteriorated beyond repair and is attached to the exterior of the west end wall. • Replace the original boiler that is costly to maintain and operate with newer energy efficient technology. New boilers will not require large heating stacks. In an attempt to offset the overall cost of this project and to meet the inflexible time schedules, the Town Capital Project Manager has agreed to perform the above work. This includes bringing the construction to bid and completion. In order to do this he needs the support of appropriate consulting services. If we take this approach it is believed we can save a year in the schedule and more than $50,000 in design work alone. This would reduce the chance of structural failure and service interruptions. Additionally, we are working closely with the utility providers to identify financial incentives to implement improvements of this nature.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$65,433 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9

Proposed Funding Sources	Amount
General Fund	$65,433
	$0
	$0
	$0
	$65,433

$0 Year 10
$65,433

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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M.L. McDONALD
SALES COMPANY, LLC

50 OAKLAND STREET
P.O. BOX 315
WATERTOWN, MA 02471-0315
P: 617-923-0900
F: 617-926-8418

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ACOUSTICAL/TACK PANELS

FIREPROOFING

WOOD FINISHING

WINDOW TREATMENTS

November 7, 2011

Mr. Alan Miller
11 Turnpike Road
Suite C
Southborough, MA 01772

Reference: Loring Arena (Skating Rink)
165 Fountain Street
Framingham, MA
MLM Estimate #20-1284**R1**

Subject: Paint Estimate

Dear Alan,

Per your request, we have performed a visual inspection of the above referenced project and we are pleased to submit the following estimate:

I. Exterior Two (2) End Walls
   A. Scope and Coatings: Galvanized Metal Frame
      a. Preparation:
         1. Hand scrape (SSPC-SP-2)
         2. Power wash (2500 PSI) with detergent injected

      b. Primer:
         1. Sherwin Williams Galvite (galvanized primer)
         2. Sherwin Williams Duration Satin

   B. Panels:
      a. Power wash (2500 PSI) with detergent injected
      b. Primer: Sherwin Williams Bond Plex
      c. Finish: Sherwin Williams Duration Satin

Industrial Hygiene		$ 1,452.00
Waste Transportation and disposal		1,060.00
Preparation and painting		27,150.00
	Amount:	$ 29,662.00

Note:
1. Excludes premium time
2. The color on the galvanized frames and panels will be the same color
3. The operator of the aerial lift has been certified to operate the aerial lift by the vendor.
4. We were told the exiting coating on the stacks contain lead. So not to generate any dust during the preparation operation, we will follow the following procedure:
   a. Power wash with detergent injected.
   b. Wet hand scrape (SSPC-SP-3) so not to generator any dust.
5. We were also informed the caulking and panels contained asbestos. These areas will only receive 4000 PSI power wash with detergent injected.
6. During the preparation operation our workforce will wear tyvek suit, safety glasses, work gloves and half face respirator. We will lay down two (2) layers of 6 mil poly beneath the work area. Also daily clean up will be performed at the end of each work day. Paint chips will be stored in a 5 gallon pail with a lock down lid, and used poly, tyvek suits, work gloves and used respirator carriages will be stored in a 55 gallon drum with lock down lid.

III. Concrete Pier:
Scope and Coatings:
a. Preparation:
1. Power wash 2500 PSI with detergent injection

b. Spot Prime Re-bar:
1. RD Elastometal

c. Full Coat of Primer:
1. RD Muracryl (matte)

d. Finish:
1. RD Muracryl (Satin)

Amount: $8,410.00

This proposal is for your acceptance for a period of 30 days from the above date. We appreciate the opportunity to provide our quotation for this project and sincerely hope our price, terms and conditions meet your full consideration in the awarding of this contract.

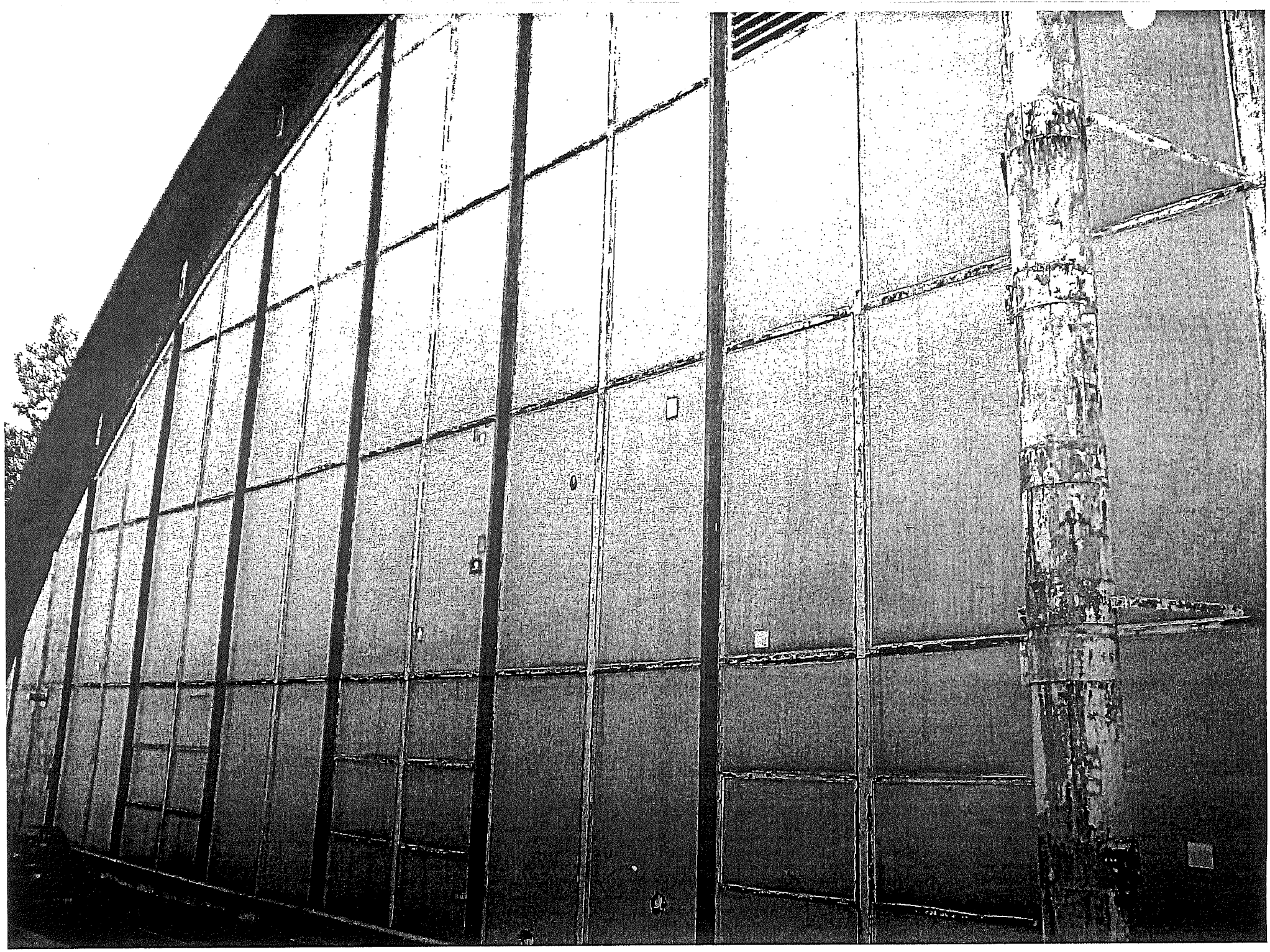
Very truly yours,

Robert L. Ayers

Robert L. Ayers
Vice President of Field Operations
Extension 1252

RLA/ja

cc: D. Costello
A. Gallonio



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Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Cushing Memorial Park Phase 5-Childrens Grove Play Area	Parks and Recreation	5
Category	Division	Priority
Infrastructure	Parks and Recreation	5

Type	Submitter
Improvement	Robert L. Merusi
Status	Submitter Title
Submit	Director

Request Description
Phase 5 development of Cushing Memorial Park. It is recommended to appropriate this money at the Annual Town Meeting contingent on obtaining a letter of grant award. This will avoid calling a special Town Meeting to participate in the reimbursable grant program.

Request Justification
A comprehensive Master Plan was completed in 2001 with significant cooperation and participation of Town Residents. Cushing has become the central park in Framingham and is used by hundreds of residents daily for passive recreation. An Urban Self Help Grant Application will be filed for Phase V in the same manner as Phases I, II, and III, and IV. Three themes were identified during the planning health, preservation of open space, and history of the site. These three themes provide benchmarks for improvements implemented at the park. Improvements proposed in phase 5 include creation of a Children's Grove play area. The concept of the Children's Grove is unique from other typical playgrounds in that it is focused on integrating play and the natural environment through the use of trees and earthwork. Research shows this approach to play results in numerous benefits that span from improved overall health to increased learning and cognizance. This phase also includes continued improvements to the landscape and installation of site amenities such as benches and shade structures.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$480,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$480,000

Proposed Funding Sources	Amount
General Fund	$192,000
State Grant	$288,000
	$0
	$0
	$480,000

Estimated Operating Budget Annual Cost
($5,000)
Explanation for Operating Budget Costs
Current estimates range between $2,500 and $3,000 per acre of improved landscape for maintenance. This phase improves approximately 2 acres.

Printed 1/20/2012

Cushing Memorial Park
Framingham, MA

Phase 5 Program

The Town of Framingham intends to pursue a fifth round of funding through the Commonwealth of Massachusetts, Division of Conservation Services to assist in the continued development of park and recreational amenities at Cushing Memorial Park (the former Cushing Hospital Property).

The transformation of this important open space asset is well underway with the first four phases of work creating one of the most successful park environments in Framingham, and all of eastern Massachusetts. The realization of this next phase will bring the Town closer to achieving the comprehensive vision captured by the community in the 2001 Master Plan document.

To date, the following phases have been completed and the attendant financial resources secured:

Phase	Project Budget	Status / Description
1	$420,000	Complete. Work included construction of a new lit parking area at the Chapel, new gardens and pathways in the Chapel vicinity, reconstruction of the major pedestrian corridor along the eastern side of the property.
2	$420,000	Complete. Work included the new park entrance near Keefe Tech., new parking areas at the southern edge of the property, new pedestrian pathways and all associated landscaping and site furnishings.
3	$420,000	Complete. Work included the reconstruction of the major pedestrian corridors that run along the southern edge of the property near the Barbieri School and that link to Winter Street at the former hospital entrance.
4	$450,000	Complete. Reconfiguration of the western pedestrian corridor, addition of landscaping and tree plantings, benches, a stone sitting area, installation of a stairway to Winters St., and a planted pergola area- including historical display.

Approximately 60% of the total funds secured to date have been received from the state granting authority, with the balance of funds coming from Town sources.

View of Phase 4 Improvements

The Phase 5 program is focused on the creation of a "Children's Grove" play area. The concept of the Children's Grove is unique from other typical playgrounds and focuses on integrating play and the natural environment through the use of trees and earthwork. Research shows this approach to play results in numerous benefits that span from improved overall health to increased learning and cognizance.

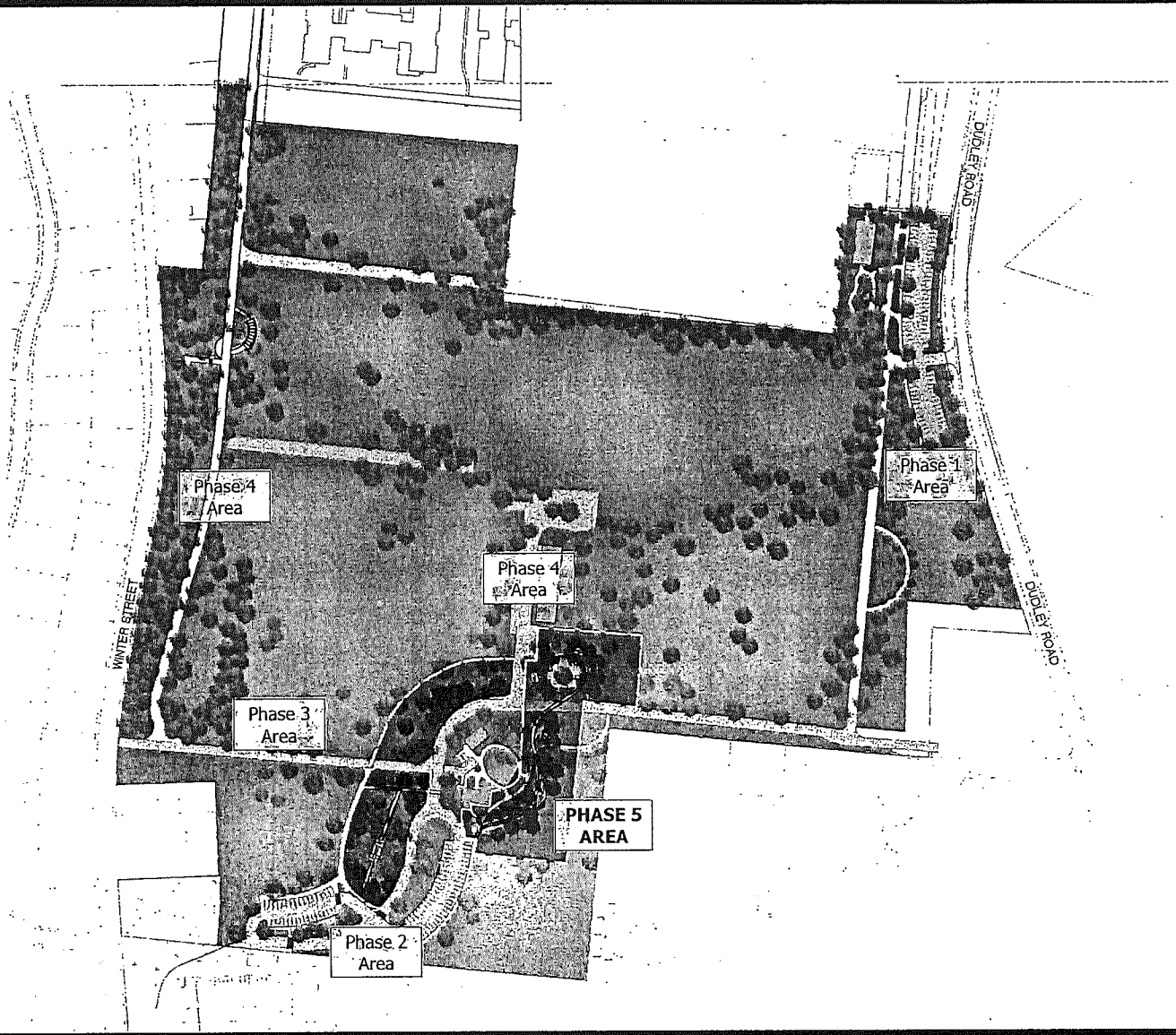
Today, Cushing Park is used by hundreds of residents daily for walking, jogging, roller-blading, reading, relaxing and other passive recreational pursuits. Under the Phase 5 improvement scenario the Town intends to extend Cushing Park's programming to include:

- A defined park entrance from the southwest parking lot into park open space behind the Academy Building, creating an aesthetically appealing and functional access to the park interior.
- Improvements to the overall landscape quality through plantings and seating.
- Introduction of a" linear" style park including integration of formal play elements along the corridor as it approaches the Children's Grove.
- A safe crossing of the road to access the proposed Children's Grove.
- Renovation of the existing playground to create the Children's Grove, taking advantage of existing trees, supplementing with large new shade tree plantings, creation of earthen mounds and the integration of natural play elements (see attached play precedent imagery).
- In the area to the west of the existing parking areas and main entrance gate, leverage the existing mound feature to create a passive garden space that will recognize donors and community support for the tremendous progress that has been made at Cushing Park and Framingham as a whole. (if funding allows)

The budget below is approximate and the actual cost of particular items may require adjustment as preliminary and final designs are undertaken. The Phase 5 Program overall, will not exceed the Total Budget Consideration below:

Park Improvement	**Budget Consideration**
Demolition / Site Preparation	$25,000
Earthwork	$30,000
New Pedestrian Pathways	$130,000
Storm Drainage Improvements	$15,000
Site Furnishings (Benches, Trash Receptacles)	$25,000
Plantings	$50,000
Children's Grove Play Environment Components	$140,000
Construction Subtotal	$415,000
Design / Engineering / Construction Administration	$65,000
Total Project Budget	$480,000
	State Share: $288,000 Local Share: $192,000

TOWN OF FRAMINGHAM, MASSACHUSETTS

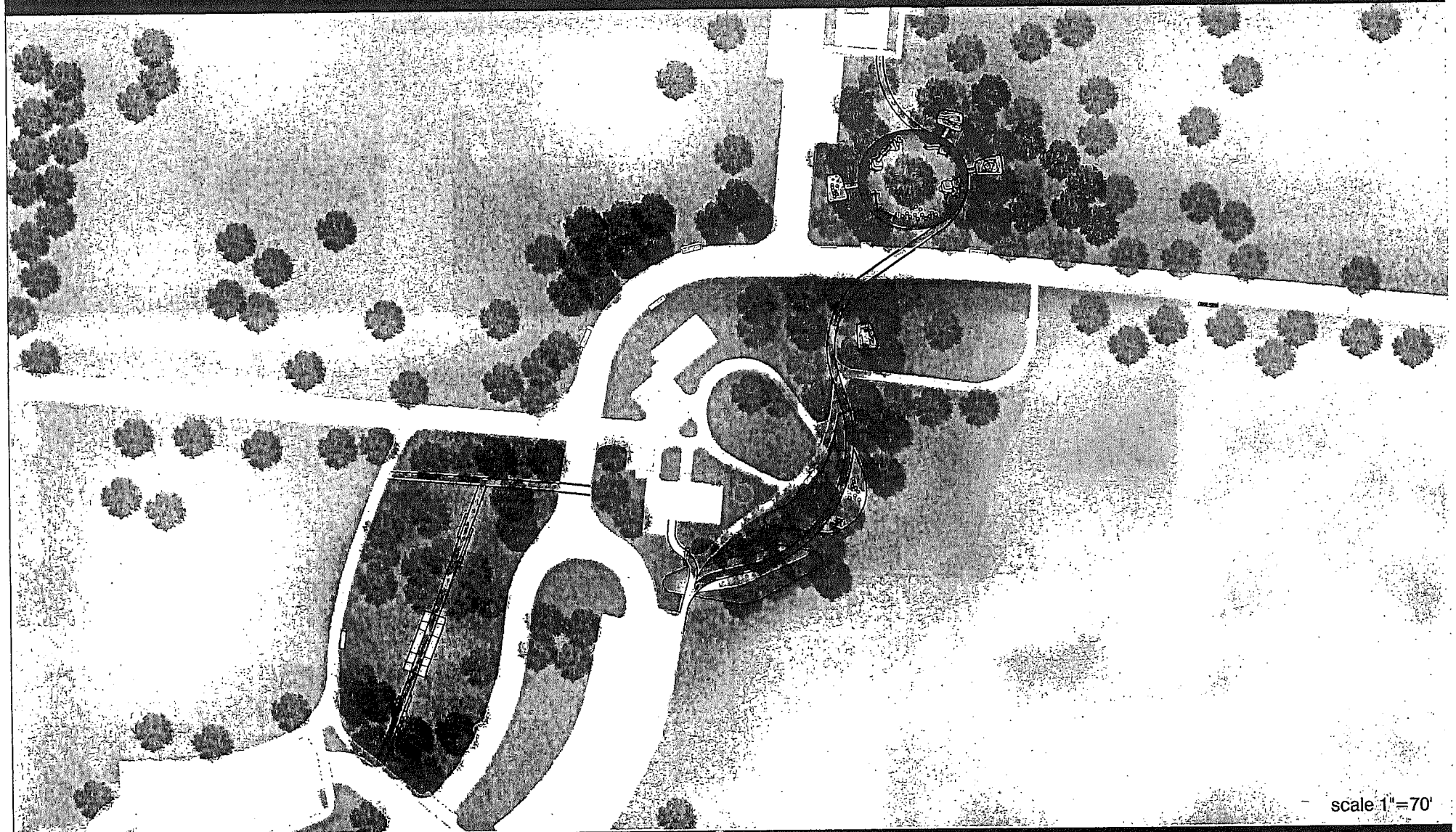


Cushing Memorial Park - Children's Grove

Children's Grove (Phase 5)

Weston&Sampson

TOWN OF FRAMINGHAM, MASSACHUSETTS

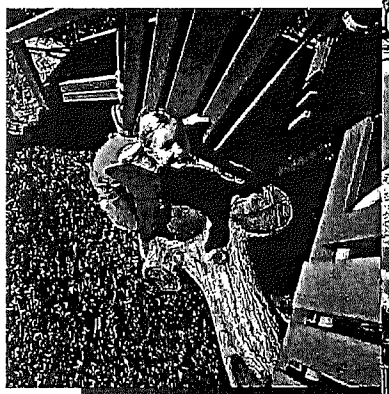


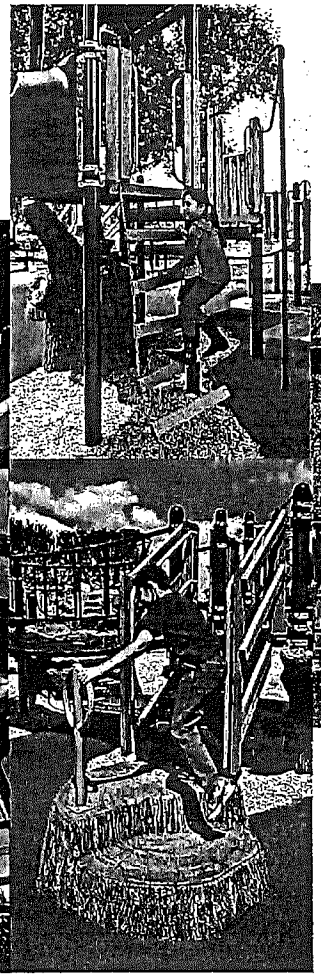
Cushing Memorial Park - Children's Grove

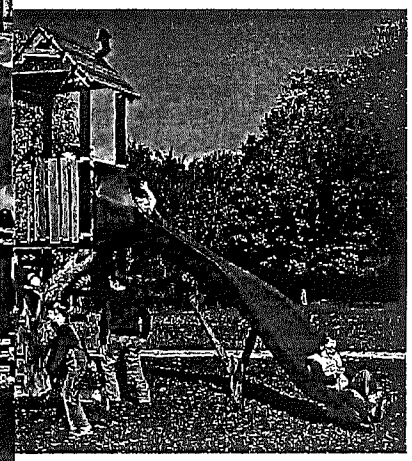
Conceptual Design Plan

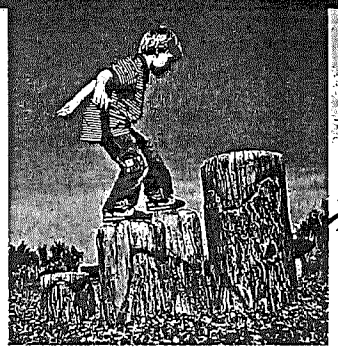
Weston&Sampson®

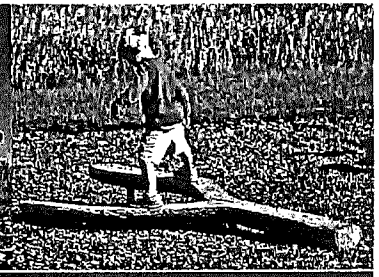
TOWN OF FRAMINGHAM, MASSACHUSETTS











Cushing Memorial Park - Children's Grove

Play Precedents

Weston&Sampson®

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Capital Budget Request FY 2013

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Request Title	Department	Priority
Park Signage Phase I	Parks and Recreation	6
Category	Division	Priority
Infrastructure	Parks and Recreation	6

Type	Submitter
Improvement	Robert L. Merusi
Status	Submitter Title
Submit	Director

Request Description
Installation of a signage program for Parks and Recreation properties throughout town. Proposed phase 2 locations include Bates Park, Learneds Pond, Nobscott Park,Oakvale, Sax Beach, Waushakum Beach, Woodfield, and Mary Dennsion.

Request Justification
Current signage throughout our Parks is outdate and limited in impact as well as aesthetics. Beautification of Parks properties lends to neighborhood stabilization and a sense of pride in community. The Board of Selectmen Vision Statement indicates "Our Town will foster a sense of pride by placing a high priority on quality education, neighborhood parks... and promote a clean and beautiful Town." The "Choose Framingham" initiative identifies the fact that "The average distance to a playground or other recreation area from any single family parcel is approximately a quarter of a mile." Proposed signage will create a common theme for all Park properties, while improving the aesthetics and beautifying the neighborhoods and the Town. This signage program is a low cost way to advance both the Board of Selectmen Vision Statement, and the "Choose Framingham" initiative.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$33,904 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$33,904

Proposed Funding Sources	Amount
General Fund	$33,904
	$0
	$0
	$0
	$33,904

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
No impact on operating budget.

Printed 1/20/2012

Proposed Phase I Locations

	Single Sided	Double Sided
Longs Athletic Complex	1	1
Farm Pond	1	1
Danforth Park	1	
Temple Street	1	
Veterans Park		1
Winch	1	1
Roosevelt Park		1
Cushing Memorial Park-Winter Street		1
Total	**5**	**6**

Sign Panel	Price/Ea	Qty		Total
Single-sided 3' x 5' Maintenance free composite panel with lettering and logo including two 54" x 6" x 6" mounting posts.	$2,300.00	5		$11,500.00
Double-sided 3' x 5' Maintenance free composite panel with lettering and logo including two 54" x 6" x 6" mounting posts.	$3,465.00	6		$20,790.00
			Sub Total	**$32,290.00**
	5% Construction Contingency			$1,614.50
			Estimated Total	**$33,904.50**

Parks Sign Locations

Location	Single Sided	Double-Sided	Quantity
Anna Murphy		1	1
Apple Street	1		1
Arlington Street	1		1
Bates	1		1
Cushing		1	1
Danforth	1		1
Farm Pond	1	1	2
Furber		1	1
Learneds Pond Beach	1		1
Little League Complex		1	1
LongsAthletic Complex	1	1	2
Mary Dennison	1	1	2
Merchant Road		1	1
Mount Wayte	1		1
Nobscott Park	1		1
Oakvlae	1		1
Old Conn Path		1	1
Roosevelt Park		1	1
Sax Beach	1	1	2
Simpson Dr.		1	1
Temple Street	1		1
Veterans Park		1	1
Victory		1	1
Waushakum Beach		1	1
Winch	1	1	2
Woodfield	1	1	2

Quotation

Cylex Signs
2830 N. 29th Avenue
Phoenix, AZ 85009
Phone: (480) 894-1706 or (800) 356-3055
Fax: (480) 894-1275

Quote Number: 1
Quote Date 10-4-11
Page 1

Quoted To: Town of Framingham
Re: Quotation for Park Signs
Attn: James P. Duane jpd@framinghamma.gov 508 532 5972

WE ARE PLEASED TO QUOTE AS FOLLOWS:

Estimated Shipping Date:	Terms:	F.O.B.:	Date:
6-8-weeks	50% deposit-50% upon receipt	Phoenix	10-4-11

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	5' x 3' Double Sided Park Signs per spec on (2) 5' x 5" x 5" Cylex posts	$3,465.00	**$3,465.00**
1	5' x 3' Single Sided Park Sign per spec on (2) 5' x 5" x 5" Cylex posts	$2,300.00	**$2,300.00**
	Freight		**$870.00**
	Total		**$6,635.00**

ACCEPTANCE OF QUOTE AND AUTHORIZATION TO PROCEED WITH ORDER GIVEN BY:

X_____

ABOVE PRICES ARE GOOD FOR 30 DAYS.

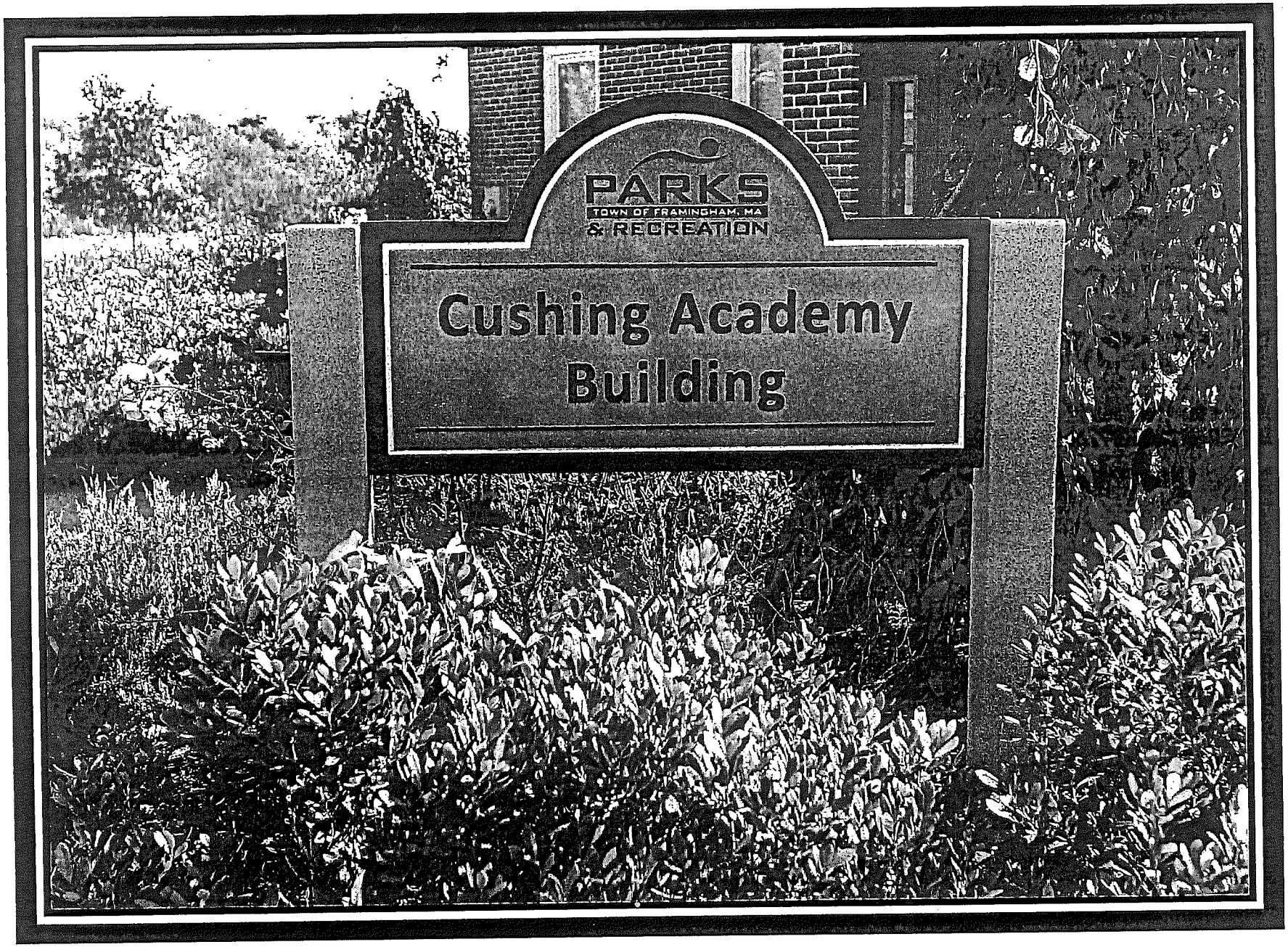
OFFICIAL SIGNATURE:_____

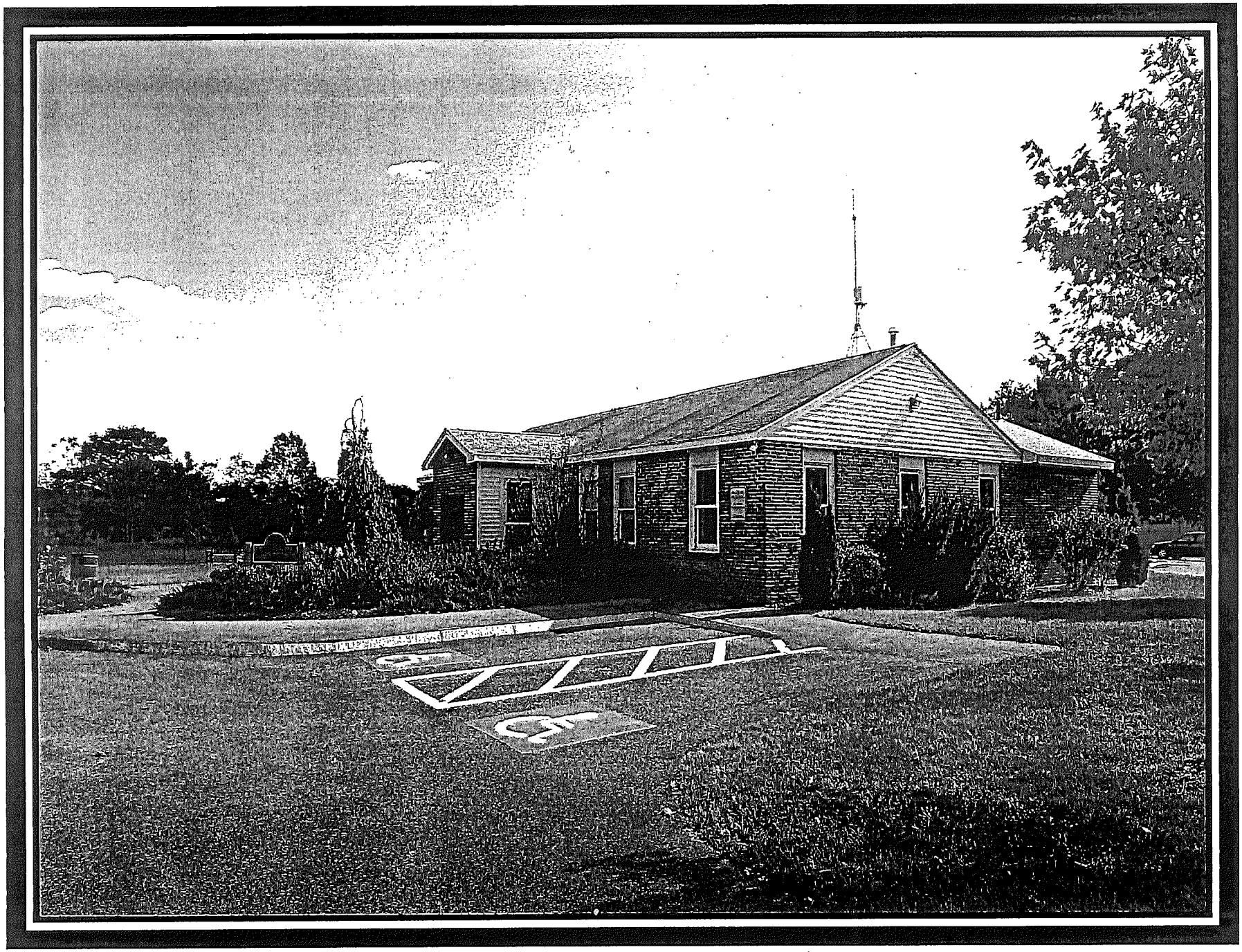
PARKS
TOWN OF FRAMINGHAM, MA
& RECREATION
Cushing Memorial
Park

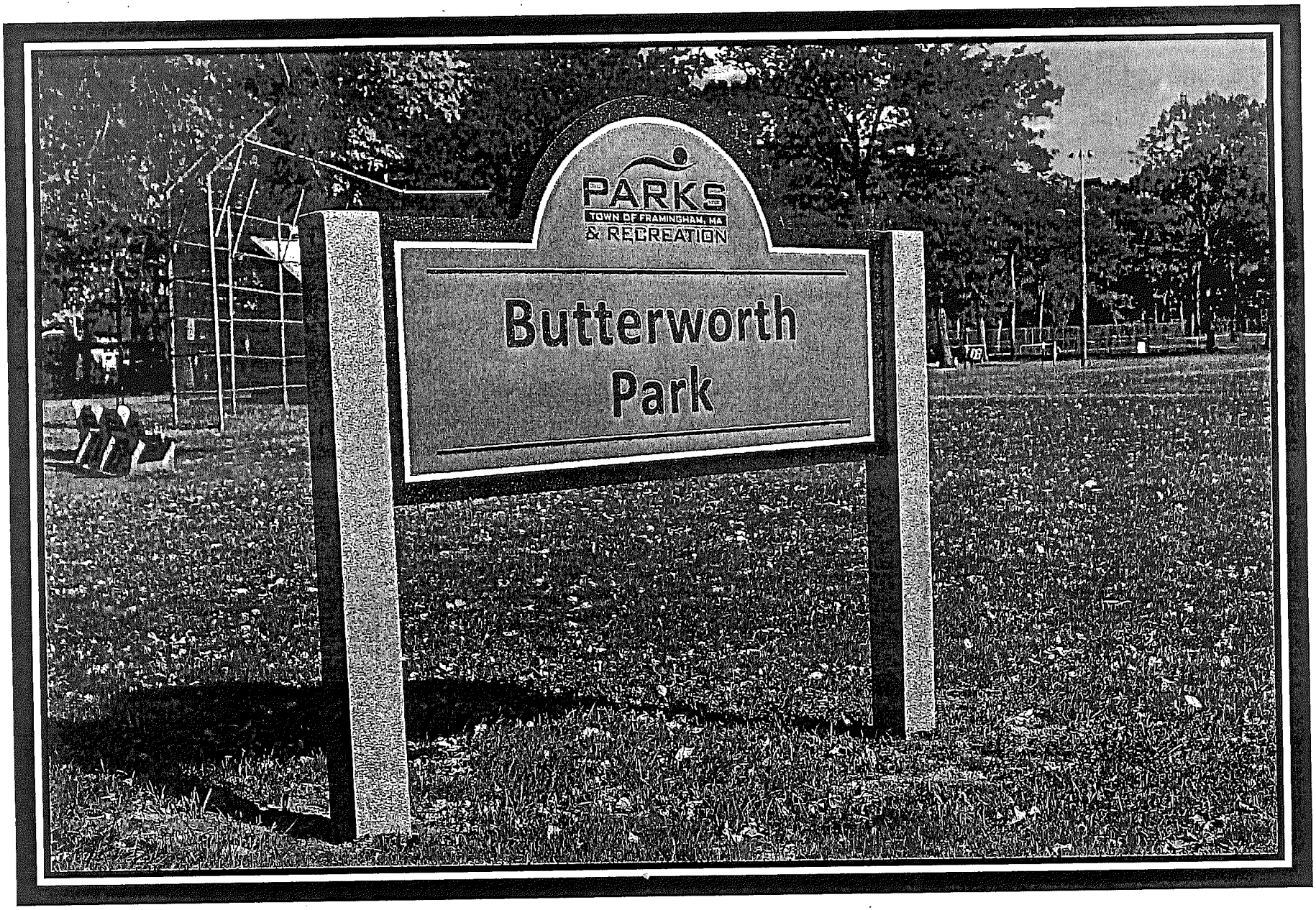
PARKS
Cushing Memorial
Park

PARKS
TOWN OF FRAMINGHAM, MA
& RECREATION
Mason Park

LCPL
USMC
DANIEL B. ZINCK
OPERATION
TEAM SPIRIT
SOUTH KOREA
MEMORIAL SQUARE
Mason Park


PARKS
TOWN OF FRAMINGHAM, MA
& RECREATION
Cushing Academy
Building




PARKS
TOWN OF FRAMINGHAM, MA
& RECREATION
Butterworth
Park

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Playground Fiber Mulch Safety Surfacing Replacement Phase 1	Parks and Recreation	7
Category	Division	Priority
Infrastructure	Parks and Recreation	7

Type	Submitter
Improvement	Robert Merusi
Status	Submitter Title
Submit	Director

Request Description
This is phase 1 of a multi-phased project to bring the safety surfacing at Town playgrounds up to industry standards. Proposed locations for improvement include Apple St., Arlington St., Bates Park, Butterworth, Cushing Memorial Park, and Danforth Park.

Request Justification
Industry studies have shown that two-thirds of all playground injuries result from falls to improper safety surfacing below play structures. The Town currently has regular wood chips in most locations. These chips are not ADA compliant and do not meet industry standards. Regular woodchips have sharp edges which can cause injury and can contain contaminants such as poison ivy. Our department has received numerous complaints from park users indicating their displeasure and safety concerns with the woodchips used in our playgrounds. We propose replacing the existing woodchips with Wood Fiber, which is a processed wood material that is certified to meet both ADA requirements for accessibility and industry standards for safety.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$29,550 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$29,550

Proposed Funding Sources	Amount
General Fund	$29,550
	$0
	$0
	$0
	$29,550

Estimated Operating Budget Annual Cost
($2,500)
Explanation for Operating Budget Costs
This is the anticipated savings on labor and material associated with annual replacement of woodchips.

Printed 1/20/2012

Safety Surfacing

Phase 1

	Cubic Yards	Cost Per Cu. Yd.	Fiber Total
Winch Park	145	$30.00	$4,350.00
Mary Dennison	261	$30.00	$7,830.00
Mt. Wayte	284	$30.00	$8,520.00
Temple Street	295	$30.00	$8,850.00
		Total	**$29,550.00**

Phase 2

Longs	48	$30.00	$1,440.00
Bates	586	$30.00	$17,580.00
Furber	199	$30.00	$5,970.00
Oakvale	89	$30.00	$2,670.00
		Total	**$27,660.00**

J.M. Cook Company, Inc.

252 Milford St
Upton, MA 01568
508-634-3300 FAX #: 508-634-3338

Quote

Date	Quote
10/18/2011	876

Name / Address
Town of Framingham Parks Dept 475 Union Ave Framingham, MA 01702

Project/Job	Terms		Phone #	Fax #	Contact
	Net 30		508-328-2290	508-620-4801	

Item	Description	Qty	Cost	Per	
Playground Mulch	Cubic Yards of Playgroumd Mulch		30.00	Cubic Yard	30.00

Signature _____

Phone #	Fax #

Regular Woodchips

Contains large, inconsistently shaped, sharp pieces.
Not compliant with industry safety standards.

Regular Woodchips

Contains large, inconsistently shaped, sharp pieces.
Not compliant with industry safety standards.

Certified Wood Fiber

Consistent shape and size with softer edges.

Complies with safety and accessibility codes

Certified Wood Fiber

Consistent shape and size with softer edges.

Complies with safety and accessibility codes

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Park & School Fence Replacement Phase 3	Parks and Recreation	8
Category	Division	Priority
Infrastructure	Parks and Recreation	8

Type	Submitter
Replacement	Robert Merusi
Status	Submitter Title
Submit	Director

Request Description
Demolish and replace various size chain link fence, gates, and guardrail at schools and parks. This quote contains a 15% contingency fee.

Request Justification
This is phase 3 of an approved program with expected implementation by the Town, see report of 1996. Fencing is an important feature at our locations. Properly installed and maintained fencing improves public safety, protects field access from vehicle damage-reducing unnecessary repair expenses, and improves aesthetics. Most fencing lasts 15-20 years. A majority of the areas in this phase are well over 40 years old. The department has completed Phase 1 & 2 of this project. This phase includes addition of safety fencing for the player bench areas at multiple little league and softball fields throughout town. NOTE: This project has also been submitted in the Capital Debt Exclusion program under Miscellaneous Property Improvements.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$458,143 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$458,143

Proposed Funding Sources	Amount
General Fund	$458,143
	$0
	$0
	$0
	$458,143

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
No impact on operating budget.

Printed 1/20/2012

Park and School Fence and Backstop Repair				
	Town	School	10% Contingency	Sub Total
Phase III	$341,863.51	$116,280.00	$45,814.35	**$503,957.86**
Phase IV	$321,066.25	$44,097.50	$36,516.38	**$401,680.13**
Phase V	$0.00	$327,475.51	$32,747.55	**$360,223.06**
Total				**$1,265,861.05**

School Property All Phases

Sub Total	**$487,853.01**
10% Contingency	**$48,785.30**
School Total	**$536,638.31**

Fence Replacement Phase III

Project		Item	Qty.	Unit Price		Total
Bates Road		Wooden Guardrail	150	$33.75		$5,062.50
Brophy (School)		Wooden Guardrail	1480	$33.75		$49,950.00
Brophy (School)		Leaf Gates (14 ft.)	4	$12,400.00		$49,600.00
Farm Pond		Wooden Guardrail	1070	$33.75		$36,112.50
Farm Pond		Leaf Gates (14 ft.)	3	$12,400.00		$37,200.00
Oakvale Park		Wooden Guard Rail	145	$33.75		$4,893.75
Oakvale Park		16 ft. backstop	1	$17,316.00		$17,316.00
Oakvale Park		backstop removal	1	$1,078.38		$1,078.38
Oakvale Park		Leaf Gates (14 ft.)	1	$12,400.00		$12,400.00
Oakvale Park		6 ft. fencing installation	60	$57.25		$3,435.00
Victory Field		Wooden Guardrail	600	$33.75		$20,250.00
Victory Field		Leaf Gates (14 ft.)	1	$12,400.00		$12,400.00
Danforth Park		Wooden Guardrail	300	$33.75		$10,125.00
Dr. Harvey Cushing Dr.		Wooden Guardrail	240	$33.75		$8,100.00
Dr. Harvey Cushing Dr.		Leaf Gates (14 ft.)	1	$12,400.00		$12,400.00
Edwards Cemetery		Wooden Guardrail	90	$33.75		$3,037.50
Edwards Cemetery		Leaf Gates (14 ft.)	1	$12,400.00		$12,400.00
Maine St. Cemetery		6 ft. fencing installation	630	$59.75		$37,642.50
Keefe Tech		20 ft. backstop	1	$24,089.50		$24,089.50
Keefe Tech		Backstop removal	1	$1,078.38		$1,078.38
Keefe Tech		6 ft. fencing installation	60	$59.75		$3,585.00
Temple Street		Wooden Guardrail	140	$33.75		$4,725.00
Temple Street		Leafgate (14 ft.)	1	$12,400.00		$12,400.00
Winch Park		Wooden Guard Rail	730	$33.75		$24,637.50
Winch Park		Leafgate (14 ft.)	1	$12,400.00		$12,400.00

Player Bench Screens						
Winch Baseball		6 ft. fencing installation	70	$59.75		$4,182.50
King Softball (School)		6 ft. fencing installation	70	$59.75		$4,182.50
Longs Softball		6 ft. fencing installation	70	$59.75		$4,182.50
Bates Baseball		6 ft. fencing installation	70	$59.75		$4,182.50
Butterworth Softball		6 ft. fencing installation	70	$59.75		$4,182.50
Butterworth Baseball		6 ft. fencing installation	70	$59.75		$4,182.50
Muster Field Softball #1(School)		6 ft. fencing installation	70	$59.75		$4,182.50
Muster Field Softball #2 (School)		6 ft. fencing installation	70	$59.75		$4,182.50
Farley Softball (School)		6 ft. fencing installation	70	$59.75		$4,182.50
Keefe Baseball		6 ft. fencing installation	70	$59.75		$4,182.50
		Sub Total				$458,143.51
		10% Contingency				$45,814.35
		Total Request				$503,957.86

Note:
Unit pricing above is taken from budget prices quoted to us by Steelco Fencing Sept. 2011.

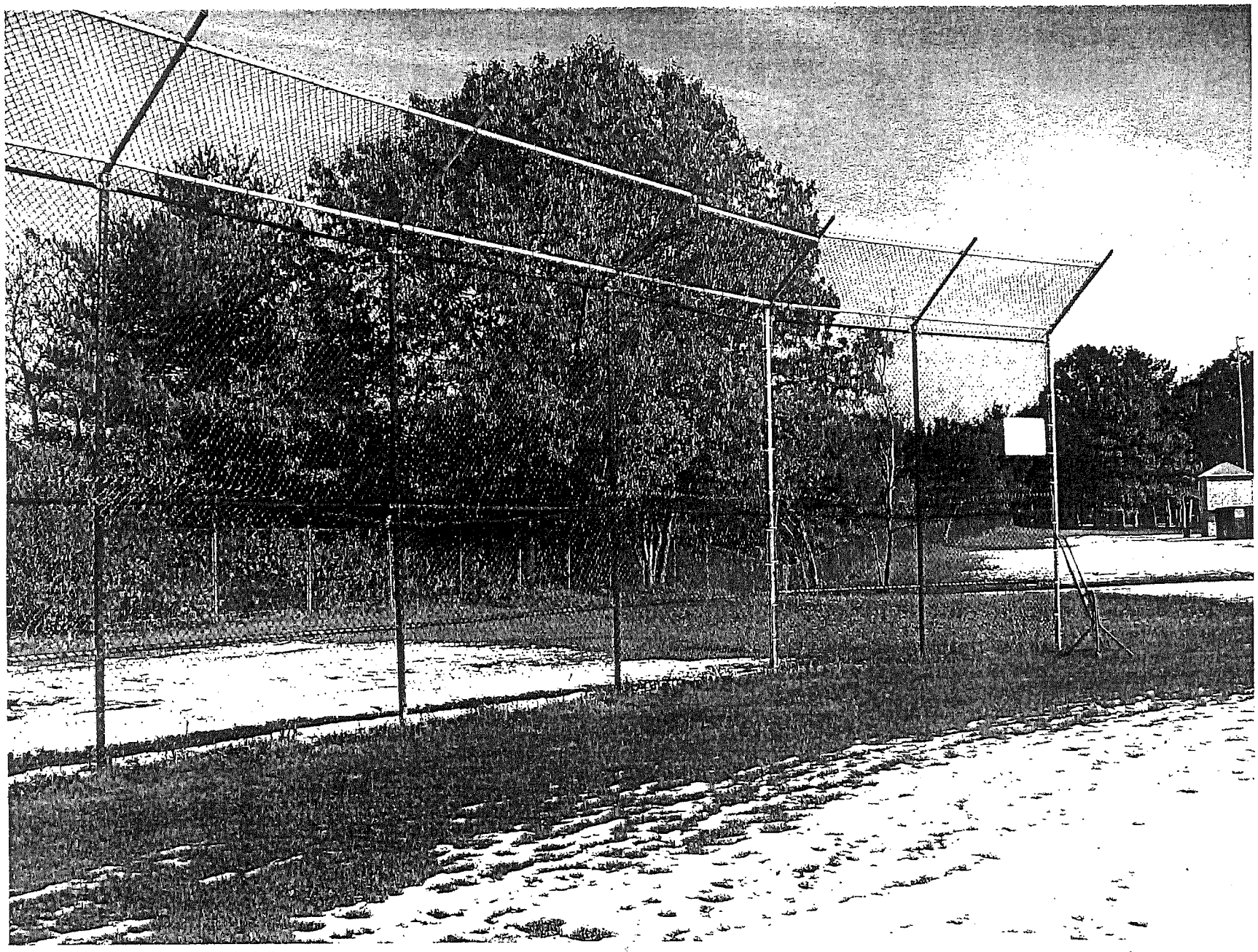
Framingham Park & Recreation Department

Appropriated

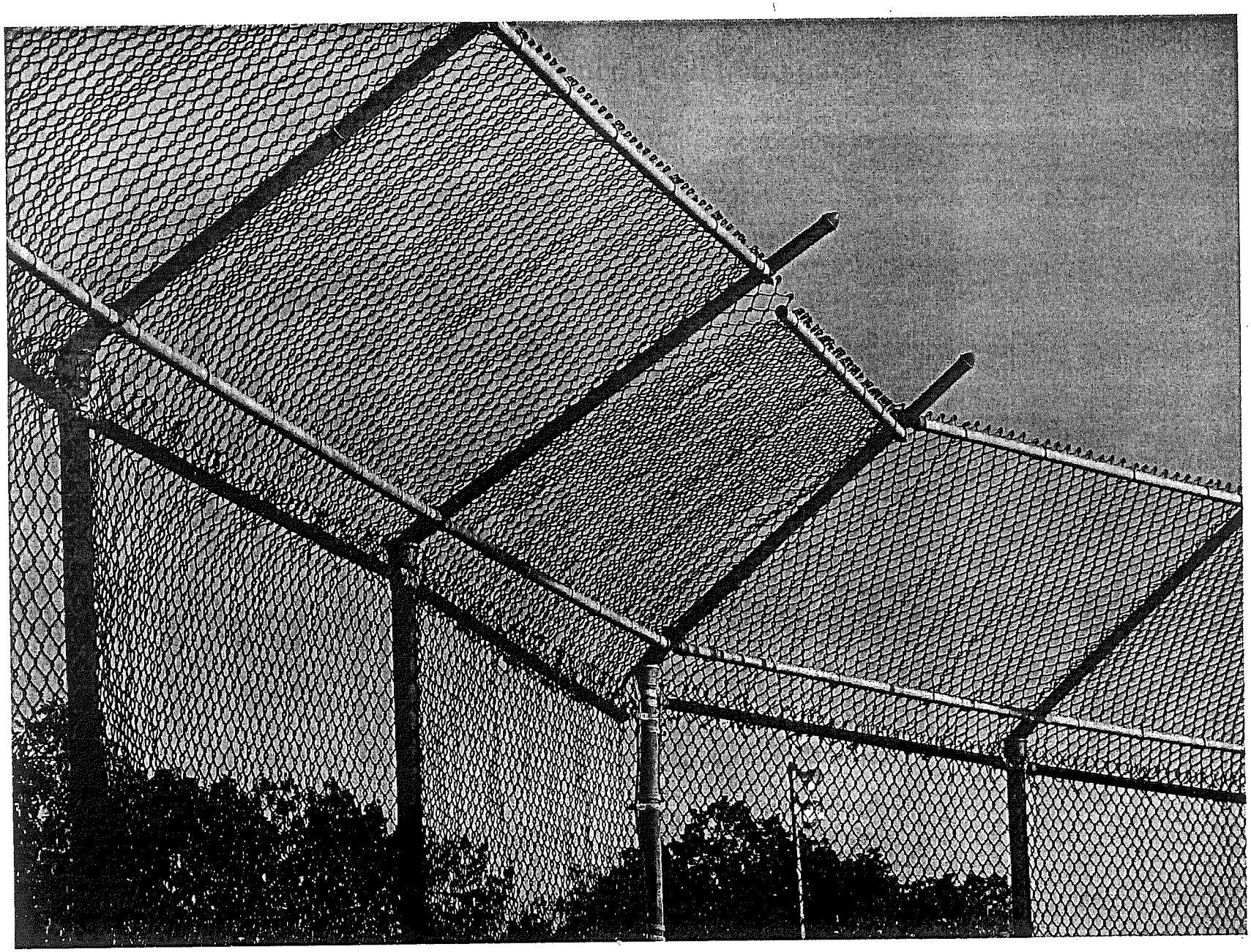
This method of payment will be per linear foot for fencing, and per each unit for posts and gates
This will include all excavation, concrete work, backfilling and grading necessary to complete work

ITEMS:	PRICE:
1 48 Inch Chain Link Fence - to include end posts, corner posts & top & bottom rail	$35.00
2 60 Inch Chain Link Fence - to include end posts, corner posts, line posts & top & bottom rail	$41.70
3 72 Inch Chain Link Fence - to include end posts, corner posts, line posts & top & bottom rail	$59.75
4 96 Inch Chain Link Fence - to include end posts, corner posts, line posts & top & bottom rail	$68.60
5 12 Foot High Backstop - Backstops with canopy per unit installed	$12,000.00
6 16 Foot High Backstop - Backstops with canopy per unit installed	$17,316.00
7 20 Foot High Backstop - Backstops with canopy per unit installed	$25,200.00
8 Wood Guard Rail - L.F.	$33.75
9 12 Inch Bollards - Ea.	$350.00
10 Steel Leaf Gates 12' - per units installed	$8,241.50
11 Steel Leaf Gates 14' - per units installed	$12,400.00
FENCE REPAIR	
12 Backstop Removal - Ea.	$1,178.38
13 Remove & Repair 48" Terminal Posts	$70.00
14 Remove & Repair 60" Terminal Posts	$90.00
15 Remove & Repair 72" Terminal Posts	$125.00
16 Remove & Repair 48" Line Posts	$46.20
17 Remove & Repair 60" Line Posts	$52.00
18 Remove & Repair 72" Line Posts	$61.00
19 Remove & Repair 48" Fabric	$13.00
20 Remove & Repair 60" Fabric	$16.00
21 Remove & Repair 72" Fabric	$15.00
22 Remove & Repair Top Rail - L.F.	$6.00
23 Remove & Repair Bottom Rail - L.F.	$7.10
24 4 Foot High Walk Gates - with gate posts	$645.00
25 5 Foot High Walk Gates - with gate posts	$725.00
26 6 Foot High Walk Gates- with gate posts	$815.00
27 4 Foot High Double Gates - with gate posts	$1,060.00
28 5 Foot High Double Gates - with gate posts	$1,450.00
29 6 Foot High Double Gates- with gate posts	$1,390.00
30 Demolition and Removal 4', 5', 6', 7', and 8' - L.F.	$7.00
31 Domolition and Removal Wood Guard - L.F.	$7.00
32 Clearing of Fence Lines - L.F.	$7.00

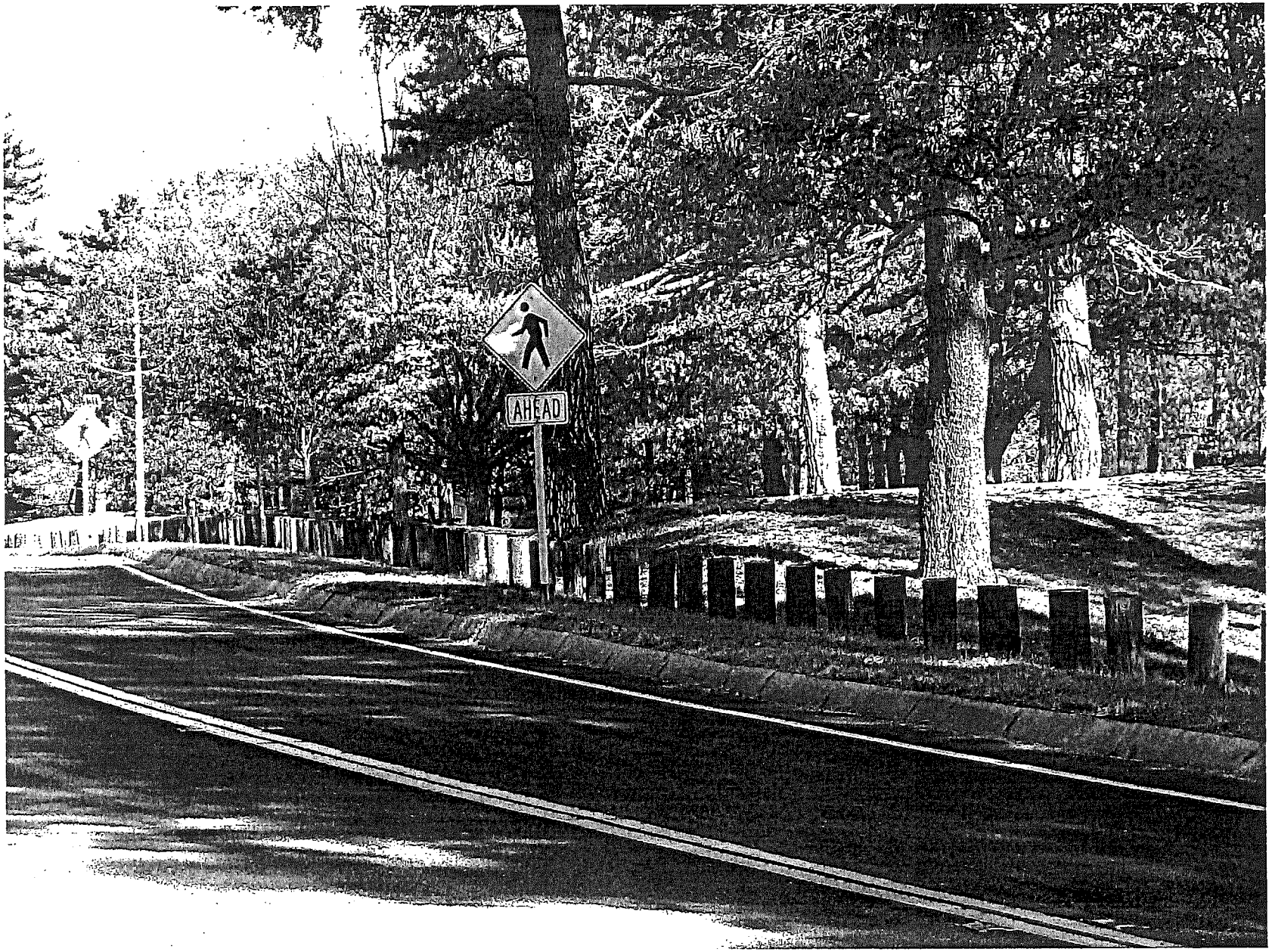
Updated 9/13/11 Dave Meledy Steelco. Includes price increase over 2010 prices.



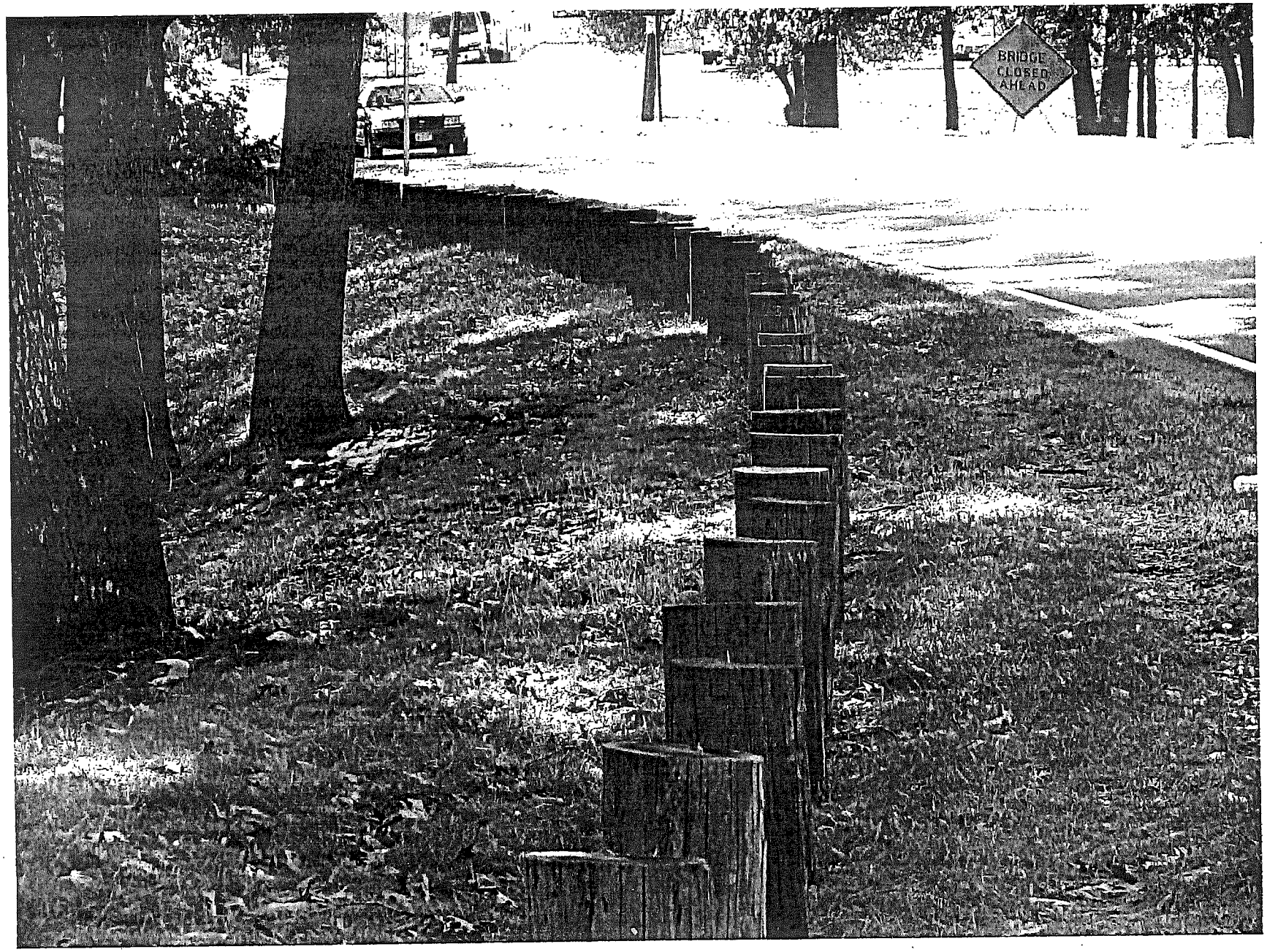
Lower Longs/Keefe Baseball Backstop



Lower Longs/Keefe Baseball Backstop



Phone Pole Fence Farm Pond Park



Phone Pole Fence Farm Pond Park

Print

Capital Budget Requests

Back

Division Priorities

Pri	Title	Total Cost	Description	Justification	Oper Cost	Fiscal
1	EMERGENCY GENERATOR UPGRADE PHASE 1	$53,560	UPGRADE WIRING TO HANDLE ADDITIONAL LOAD	Present generator is not wired to handle the emergency needs of the police station. HVAC and elevator are not on the generator. During a recent emergency when the generator was activated, it did not sustain the energy needs of the station. Critical areas of the station were without power. An energy review conducted after this incident showed additional load space available on the generator. This project will wire the generator to handle the added energy load. The present generator is 17 years old and should be considered for replacement in the not to distant future. This wiring upgrade will be the 1st phase of this project.	$850	2013
	EMERGENCY GENERATOR PHASE 2	$115,000	TO REPLACE EMERGENCY GENERATOR 200 KW NATURAL GAS GENERATOR	PRESENT GENERATOR IS 17 YEARS OLD AND SHOULD BE ON THE CAPITAL BUDGET FORCAST LIST FOR REPLACEMENT , PHASE 1 WILL UPGRADE THE PRESENT WIRING TO ACCOMODATE A NEW GENERATOR,AS WELL AS ADD CRITICAL AREAS OF THE STATION THAT WERE LEFT OFF OF GENERATOR. ESTIMATED COST INCLUDES REMOVAL OF OLD GENERATOR FROM ROOF BY CRANE AND INSTALLATION OF NEW 200KW NATURAL GAS GENERATOR < GAS FITTINGS AND ELECTRICAL CONNECTIONS	$850	2014

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
EMERGENCY GENERATOR UPGRADE PHASE 1	Police	1
Category	Division	Priority
Building	Police	1

Type	Submitter
Improvement	Steven Carl
Status	Submitter Title
Submit	Police Chief

Request Description
UPGRADE WIRING TO HANDLE ADDITIONAL LOAD

Request Justification
Present generator is not wired to handle the emergency needs of the police station. HVAC and elevator are not on the generator. During a recent emergency when the generator was activated, it did not sustain the energy needs of the station. Critical areas of the station were without power. An energy review conducted after this incident showed additional load space available on the generator. This project will wire the generator to handle the added energy load. The present generator is 17 years old and should be considered for replacement in the not to distant future. This wiring upgrade will be the 1st phase of this project.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$53,560 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$53,560

Proposed Funding Sources	Amount
General Fund	$53,560
	$0
	$0
	$0
	$53,560

Estimated Operating Budget Annual Cost
$850
Explanation for Operating Budget Costs
contract for maintenance

Printed 12/9/2011

Cammarata Electric, Inc.
Richard J. Cammarata, Jr.
Electrical Contractor
396 Edmands Road
Framingham, MA 01701
Office: (508) 877-2156 * Cell: (508) 509-9781 * Fax: (508) 877-2156

STATEMENT OF WORK

Prepared For: 10/17/2011

Town of Framingham
Police department
1 William Welch way
Framingham Mass.01702

200K generator wiring. **BUDGET PRICING**

Furnish and install auxiliary wiring for additional load on the emergency generator system. This wiring will include selected HVAC/ventilation equipment, Elevator, and selected computer terminals or work stations throughout the main station and dispatch areas.

This estimate is for budgetary considerations, formal pricing to follow with finalized equipment list selected for connection.
It is understood that this work would not commence if accepted, until 7/1/2012

$52,000.00

Agreed Upon By:

Richard J. Cammarata, Jr. Electrical Contractor	Town of Framingham Police dept
Date	Date

Print

Capital Budget Requests

Back

Division Priorities

Pri	Title	Total Cost	Description	Justification	Oper Cost	Fiscal
1	Acquisition of a 11,000 GVW 4WD Utility Body Truck with Plow #704 Sewer	$56,152 E.F.	This unit is one of four assigned to the routine maintenance management of the 51 wastewater pump stations, as well as, to the six water pump stations and the five above ground reservoirs in the system. Each of these stations has large mechanical components such as pumps, motors, and electrical components that need to be maintained on a regular basis. Most of the stations have no emergency power capability and when power is interrupted, the response time is critical in order to avoid the development of a Sanitary Sewer Overflow (SSO) which is the primary reason for the imposition of the consent order on the Town by the State. The Department is required to respond rapidly in order to avoid SSO's at the stations which can be caused by the failure of any of its countless component parts, or just by the infusion of ground water during heavy or prolonged rain events. The truck carries the essential equipment and tools necessary to perform the repairs required to keep the station functioning under severe conditions. The vehicle often works in emergency situations and its ongoing reliability is critical. This unit was deferred from last year's Capital Budget.	This unit will be 10 years old by the time its replacement will have been acquired and it has been a first response vehicle to system failures for most of its operational life. The body is in relatively good shape due to the need to repair damage that had occurred last year, but the mechanical components of the cab and chassis have significant wear due to the long hours of idling at work sites in order to operate its component equipment. The idle time is in addition to the significant mileage that is estimated to be close to 100,000 miles before a replacement could be procured and received in early 2013. The goal is to replace the vehicle before any major component fails as it would be another two years before a replacement would be procured, assembled, and put into service if it is not approved in the FY2013 capital budget. This piece of equipment will be replaced with 11,000 GVW four wheel drive cab & chassis with a utility body, two way radio, warning lights, and a snow plow. The heavier gross vehicle weight specified is better suited to the type of work it performs and to the longevity expected from the vehicle. If the equipment is approved in the FY2013 Capital Budget process, it would be calendar year 2013 before a replacement could be procured, assembled, and placed into service.	$0	2013
1	Replacement 2004 72,000 GVW Cab & Chassis w/31 CY Refuse Packer & Snow Plow #511 Sanitation	$259,500 G.F.	This equipment is used in the collection of curbside refuse each week from 15,500 homes, and is used in the spring and fall for the collection of yard waste. It is also used on weekends for the compaction of refuse at the Transfer Station. The refuse collection vehicles also play an important role in the removal of snow from the major arteries in the Town offsetting the need to acquire a contracted vehicle of that equivalent size that has a contract rate of $130.00 per hour. These large trucks and their 11' snow plows are able to very efficiently clear heavy snow from the Town's many multi lane wide roads such as Concord Street (RT126), Water Street, Waverly Street (RT135), Old Connecticut Path, Cochituate Road (RT30), Western Avenue, Union Avenue, Elm Street, and others. The Department would typically have to expend as much as $15,000 each winter (average 12 storm events @ 10 hours each) from the snow budget for a snow plow vehicle of an equivalent capability. The new unit will include an automated refuse collection system. In recent years, these retired chassis have been overhauled by the Department's technicians and refitted to provide a seasonal and less demanding use with different body applications. Over the past seven years,	The refuse packer that is proposed for replacement in the FY13 budget has extensive corrosion and wear throughout the body that will require significant repairs to be accomplished in order to extend its life another year. The chassis currently (October 2011) has 10,300 hours of operation and it is projected to have over 11,700 hours at its time of replacement in early 2013 (this it he equivalent of approximately 410,000 miles). The transmission, suspension, and axle components of these refuse trucks receive a tremendous amount of wear and fatigue from their constant stop start action wherein they typically move in short distance house to house intervals. Their use during winter months as a heavy duty snow plow also contributes to the aggressive aging of the truck. The suspension components are fatigued which will result in the replacement of springs and bearings. It takes as much as 9 months (estimated delivery: March 2013) from the appropriation date for a chassis to be procured, fabricated, and drop shipped to a factory in the Midwest to have the refuse body installed, and then shipped here for	$0	2013

			these re-used chassis have been converted into: four extended range snowfighters, one Tilt Frame Hoist Truck for Roll-Off Containers, one Ten wheel Dump Truck for hauling bulk materials, and one Prentiss Loader truck for heavy tree work. These re-used Cabs and Chassis have an average extended lifecycle of an additional 8-10 years in their seasonal functions and are a tremendous resource in that regard. This method of re-use has saved the Town hundreds of thousand dollars over the acquisition of new equipment and the application of these extended range snowfighters has increased our storm coverage area by a factor of three. Upon arrival of a new unit, this Cab and Chassis would be taken out of service, rebuilt in house by the fleet maintenance staff, and then re-used as a replacement for the earliest snowfighter conversion unit which is a 1993 Autocar that will be 20 years old at that the time the replacement actually occurs. This unit presently (October 2011) has 76,000 miles of use and it is projected to have a mileage near 84,000 by the time it could be replaced if approved in the FY13 capital budget. This unit was deferred from the FY2012 Capital Budget.	further outfitting. The replacement of the packer body floor and the supporting steel has an estimated cost of $4,000 - $5,000 including labor and materials. The work to stop the expansion of the corrosion would be another $3,000 - $4,000. The refuse collection vehicles are mostly parked out of doors and they are subject to the detrimental effects of the environment. The Department of Public Works equipment typically works under the most corrosive of operating environments and the Department is therefore required to expend a considerable amount of effort and resources to minimize the deteriorating effect that the corrosion has in the early depreciation of its equipment. For the ten years prior FY2011, the Town had funded the replacement of one refuse collection vehicle each year which equated to an eight (8) year life cycle for each truck. Due to budget constraints, that has now been modified to a nine (9) year life cycle. It is anticipated that the secondary use of the cab and chassis will provide a minimum total operating life of 18 to 20 years.		
1	Acquisition of a 11,000 GVW 4WD Utility Body Truck with Plow #615 Water	$56,152 E.F.	This vehicle is used by Department staff in the regulatory compliance program related to the operation of the Water Distribution System and the operating requirements of its State and Federal licensing. The individuals that will be utilizing this vehicle are responsible for the inspection and semi-annual testing of over 2,000 backflow devices and the survey of properties to determine if they comply with backflow regulations. The Town is required to maintain a backflow and inspection program in accordance with Commonwealth of Massachusetts Regulation 310 CMR 22.22 and the reporting requirements are stringent and the consequences of failure are severe. The Department operates these types of Public Utility vehicles in order to accommodate the transportation of staff engaged in maintaining the various regulatory compliance standards and to meet other customer service requirements relative to requests for service such as meter maintenance, pressure testing, and other related inquiries. In many respects the service by staff in the vehicle provided is similar to the type of customer service provided by individuals representing Verizon, NStar, or a Cable company. They are typically one or two individual assignments that are often in a home and are appointment driven. The Department services 18,000 individual accounts ranging from single family homes to large industrial complexes. This vehicle also works in the snow management program and helps offset the need for additional contracted equipment	This unit will be 8 years old at the time of replacement and it has a significant amount of wear and tear on the mechanical components associated with its age. This unit will be replaced with an 11,000 GVW four wheel drive cab & chassis with a utility body, two way radio, warning and work lights, and a snow plow. If the equipment is approved in the Capital Budget process, it would be calendar year 2013 before a replacement could be procured, assembled, and placed into service.	$0	2013
2	Acquisition 40,000 GVW Cab&Chassis w/DumpBody, plow, sander&underbody scraper #442	$225,697	This heavy truck is used throughout the year in the maintenance and construction of the 250 miles of public roads in Framingham. The work includes the maintenance of roadway	The existing truck will be 17 years old at the time of replacement and have over 9,200 hours (this is the equivalent of 322,000 miles). It is in very poor condition after having	$0	2013

	Highway	G.F.	appurtenances such as sidewalks, curbing, catchbasins, stormdrains, and trees. The truck hauls materials and trailers equipment to and from the worksites. The typical material hauled by this truck would include asphalt, gravel, sand, cement block, and other construction related materials. The vehicle also tows equipment to and from work sites such as small excavators, backhoes, compressors, and other medium duty equipment. In the winter season, this truck serves as one of the primary zone sander trucks assigned to critical areas of the Town during snow events. The frequent breakdown of this vehicle can delay response times and thereby has a detrimental effect on the ability for motorists to safely travel during a snow event. Framingham serves as a transportation hub for the Metrowest area and is also the center for one of the largest retail and manufacturing bases in New England. This presents a significantly more difficult challenge for the Department in the management of its winter operations due the tremendous volume of vehicles that either have Framingham as there destination, or are passing through Framingham in order to get to a major highway. This burden is significantly greater than that of other communities in the region and the Department is required to be prepared for the appropriate response at all times. The existing truck will be replaced with a similarly configured unit. The replacement vehicle will be a 40,000 GVW dump body truck equipped with a snowplow, underbody scraper, two way radio, material spreader, and hydraulic controls. The production of a heavy truck and the assembly of its component parts require approximately a year (and winter) from the date of the bid award. As such, the truck will have to function for another year even if it is approved by Town Meeting in the spring. This unit was deferred from last year's Capital Budget.	worked as a front line unit in construction and snow fighting service. It is also extremely difficult to acquire parts for this vehicle as the manufacturer closed its heavy truck business and the production of component parts at about the same time the truck was acquired. The resultant long delay in locating parts together with the general unreliability of this older vehicle, creates frequent inefficiencies and chaos in the production of planned work especially in winter conditions. This is one of the heavy trucks that has a critical primary sander route and its functional reliability is necessary to keep routes open and safe to travel upon. The Department still operates two of these Ford L8000 cab and chassis' and they are all in an advanced state of deterioration after 16 years of heavy use in difficult environmental conditions.		
2	Acquisition of a 15,000 GVW 4WD Utility Body Truck with Automatic Gate Turner #608 Water	$79,627 E.F.	This equipment is used by Department staff in the regulatory compliance program related to the operation of the Water Distribution System and the operating requirements of its State and Federal licensing. The vehicle will be outfitted with an automatic gate turner Wachs model TM- 4. It will also include portable generator, compressor, washer and vacuum to facilitate the cleaning and maintenance of water infrastructure. This vehicle is critical to the planned Gate Valve operating program which will carry on throughout the next several years once this vehicle is acquired. The Town currently spends thousands of dollars each year repairing seized and corroded gate valves throughout the 250-mile water distribution system. Many of these valves are in unworkable condition because they properly exercised and maintained. Also, unworkable valves pose a threat to public safety as they necessitate extensive shutdowns to repair water main breaks and they inhibit the	The existing unit is undersized and improperly equipped to fulfill the needs of the Gate Valve operation program. Currently, the Department requires two vehicles to properly serve gate valves. Use of a single vehicle will not only save equipment costs, but also require less man-hours. This will save money in overtime charges and allow the Department to service a greater number of gate valves each year.	$0	2013

			Department's ability to control flows and assist with fire fighting.			
2	Acquisition of a 15,000 GVW 4WD Utility Body Truck with Plow #721 Sewer	$62,228 E.F.	This unit is one of four assigned to the routine maintenance management of the 51 wastewater pump stations operated as part of the Town's wastewater collection system. Most of the stations have no emergency power capability and when power is interrupted, the response time is critical in order to avoid the development of a Sanitary Sewer Overflow (SSO) which is the primary reason for the imposition of the consent order on the Town by the State. The Department is required to respond rapidly in order to avoid SSO's at the stations which can be caused by the failure of any of its countless component parts, or just by the infusion of ground water during heavy or prolonged rain events. Each of these stations has large mechanical components such as pumps, motors, and electrical components that need to be maintained on a regular basis. The new vehicle will be equipped with a lift gate to assist in the handling of portable pumps, generators and associated equipment and will have the ability to carry tools and supplies necessary to maintain the pumping stations.	This unit will have an estimated 120,000 miles by the time its replacement will have been acquired and it has been a first response vehicle to system failures for most of its operational life. The goal is to replace the vehicle before any major component fails as it would be another 2 years before a replacement would be procured, assembled, and put into service if it is not approved in the FY2013 capital budget. This piece of equipment will be replaced with 15,000 GVW four wheel drive cab & chassis with a utility body, two way radio, warning lights, and a snow plow. The heavier gross vehicle weight specified is better suited to the type of work it performs and to the longevity expected from the vehicle. If the equipment is approved in the FY2013 Capital Budget process, it would be calendar year 2013 before a replacement could be procured, assembled, and placed into service.	$0	2013
3	Irving, Loring and Herbert Street Intersection Water Improvements - Construction Water	$1,795,000 E.F.	This project will provide funds for the construction of approximately 1,300 linear feet of water main between Irving, Herbert, Loring intersection and Blandin Avenue. The new 12-inch main will replace a network of small and older mains which are in poor condition. The water main will cross Beaver Dam Brook above the water surface through the existing box culvert. Disturbed roadway surfaces will be temporarily paved with a trench patch followed by full width mill and overlay. The new system will replace two parallel antiquated water mains, which have experienced frequent breaks.	The water system in this area represents some of the oldest pipes in the Framingham water system, constructed in excess of 100 years ago. The pipes have experienced frequent water main breaks during the last several years. This project will significantly reduce the incidence of emergency maintenance and increase overall system reliability for the critical facilities located in this area of Town. The existing pipe network has two parallel pipes providing water, which will be reduced to a single more reliable pipe after construction.	$5,000	2013
3	Acquisition of a 40,000 GVW Cab & Chasis with Dump Body and Snow Plow # 732 Sewer	$225,697 E.F.	The proposed vehicle is a critical piece of equipment used routinely for both pipeline construction and for snow plowing. This equipment is used during the underground construction work that requires the removal and transport of backfill material, as well as for the transportation of pipe and excavation machinery. This vehicle responds to emergency repairs such as broken wastewater force mains which result in several Sanitary Sewer Overflows which have resulted in the Administrative Consent Order by the Department of Environmental Protection. Also, each year the Department performs in house construction of several capital projects and completed them efficiently and effectively, and at a 50% savings over the contracted construction estimate. The construction or repair of underground utilities requires the use of dump trucks as part of the excavation process.	This 15 year old dump truck currently has 7,520 hours which if the equivalent of 265,800 miles. The truck is in poor condition despite our efforts to keep it running and the body intact. It is one of only two dump trucks in the Wastewater Division Fleet and they often are both needed at construction sites and emergency repairs. This also is one of 20 Public Works vehicles that have been routinely stored outside throughout the year and thereby suffers from the prolonged exposure to the environment. This piece of equipment will be replaced with a 40,000 GVW cab and chassis with dump body, central hydraulic system, warning lights, two way radio, snow plow, material spreader and underbody scraper. This type of heavy truck will take approximately one year from the date of order to be manufactured, assembled, and delivered ready for service. Even if approved by the spring Town Meeting, the new truck would not be ready to go into service before the summer of 2013.	$0	2013

3	Replacement 4WD Cab & Chassis with Platform Body, Lift Gate and Plow # 409 Highway	$66,305 G.F.	This request is for the acquisition of a new 15,000 GVW 4WD Cab and Chassis with platform, lift gate, and plow to replace the existing unit. This truck is used in the maintenance of the Town's Stormwater system and is used to facilitate the reconstruction of its physical assets by transporting materials to the job site. This includes water, concrete, block, frames, covers and other heavy materials typical in the replacement of manholes and pipes.	The existing truck is 16 years old and it has 160,000 miles on the odometer. It will be 17 years old and will have an estimated 170,000 miles on the odometer at the time of its actual replacement in 2012, assuming it is approved in the FY2013 budget. This truck is beyond any reasonable expectation for its life function and requires continuous maintenance to use for daily operation. Components of the truck and the body are extremely fatigued and it is not worth investing in their replacement. The truck performs an important function in the Department and its heavy use typifies that fact.	$0	2013
4	Beebe Water Storage Tanks Upgrade Construction Project Water	$3,214,000 E.F.	The Beebe Water Storage Tanks will be upgraded to provide a reliable facility for the northwestern Framingham water pressure zone. There are two tanks located on the site. The older was constructed more than 80 years ago and needs to be replaced. The newer concrete tank is in fair condition but requires several upgrades to extend the life span of the facility, allow for maintenance and to provide a safe and reliable facility within the Town's water distribution system. The anticipated work includes the demolition and replacement of the existing steel tank, safety and access upgrades to the concrete tank. Improvement to the mixing, electrical and SCADA control systems for the tank site as well as minor site improvements associated with the work. On-line and back-up power systems including the use of solar power will be included as part of the upgrade project. The funding will provide for the final design and construction of the Beebe upgrade project.	The water distribution system associated with these improvements has concerns related to the condition and age of the facilities. Improvements to address safety and access are also part of the project. The reliability of the control systems will be improved as part of the project. The existing steel tank is in excess of 80 years and in poor condition.	$1,000	2013
4	Acquisition of a 4WD HD Cab & Chassis with Pickup Body and Snow Plow # 725 Sewer	$45,374 E.F.	This unit is assigned to the Wastewater Division for; the transportation and/or towing of equipment, tools, and personnel to work sites within the 250 mile wastewater collection network. The types of equipment transported include emergency lighting units, air compressors, diesel generators, cement mixers, heavy duty pumps, equipment trailers, and other construction and emergency types of specialized equipment. This vehicle responds to emergency repairs such as broken wastewater force mains which result in several Sanitary Sewer Overflows which have resulted in the Administrative Consent Order by the Department of Environmental Protection. Also, each year the Department performs in house construction of several capital projects and completed them efficiently and effectively, and at a 50% savings over the contracted construction estimate.	This vehicle will be 10 years old and have over 90,000 miles at the time of replacement if approved in the FY2013 Capital Budget. The truck is becoming prone to breakdowns and is not a reliable vehicle for its intended assignment. It is proposed to be replaced with a heavier duty 4WD Cab, Chassis with Pickup Body, and will be equipped with a snow plow.	$0	2013
4	Replacement of 15,000 GVW 4WD Cab and Chassis with Dump Body and Plow # 416 Highway	$66,672 G.F.	This request is for the replacement of a model year 1995 4WD Cab and Chassis with a 2.5 CY Dump Body and snow plow. This truck is assigned to the Highway Department and is used daily for the transport of brush and tree chips from the work involved in the removal and pruning of the 10,000 plus inventory of Public Shade Trees that exist within	The existing unit is 17 years old and has a current mileage of 101,000 miles, much of it acquired during snow plowing activity which is particularly abusive to the powertrain and suspension components of a vehicle, especially after this many years of service. It is estimated that the truck will have in	$0	2013

			the Town's 250 mile right of way. The truck has an enclosed rear body that receives the brush chipper feed and it is used to transport and dispose of that waste at approved sites. The truck is also equipped with a snow plow and is assigned a designated area for the removal of snow during winter operations.	excess of 110,000 miles and will be 18 years old at the time of its actual replacement assuming it's was approved in the FY2013 budget. The body and Frame has extensive corrosion that had been repaired, but after 17 years of operation in harsh environments, it is not practical to make any further significant investment in its maintenance and operation. The replacement truck will be equipped with the next generation of powertrain and emission components that are EPA 2010 Compliant. The diesel engine is equipped with a Selective Catalytic Reduction (SCR) emissions after treatment system, that effectively reduces harmful emissions by 90% and improves fuel economy by almost 10% (9.7%) over previous year models.		
5	Water Main Replacement Various Locations 2013 Water	$200,000 E.F.	The design and construction to replace existing water mains and appurtenances in various locations. The work includes the rehabilitation or replacement of water mains, hydrants, valves, services and related equipment at locations to be identified later.	During the course of the year the Department encounters situations where small sections of water mains are found to be in need of replacement or increased in size. This project would allow the Department to survey, design and construct the work utilizing in-house staff whenever possible or to contract out where immediate attention is required. Particular attention will be placed on locations requiring increased fire protection, proper water circulation and those experiencing low volume and or pressure.	$0	2013
5	Hancock Lane Pump Station Elimination Project Design and Construction Sewer	$805,500 E.F.	This capital project will allow for the elimination of the Hancock wastewater pumping station. The project will provide funds for the design and construction of a gravity sewer to the Blackberry pumping station. The project was part of a negotiated settlement between the developer of Ditullio Drive and the Town. The developer installed the Hancock pump station with plans to have a future sub-division provide an extension to eliminate the Hancock pumping station and connect it to the existing town-owned Blackberry pumping station. The entire sewer connection project will be completed by the developer and the Town. The Town is responsible to lower the existing sewer along the alignment from Brook Meadow Circle through easements to Millwood Circle to the Blackberry pumping station. The existing sewer, approximately 1,025 feet in length, must be lowered to allow for adequate cover in the developer constructed portion of the work. The work will also include obtaining easements and permitting the stream crossing. An allowance is provided for the oversight of the developers design and construction activities.	This project is being requested relative to a legal settlement reached between the Town and developer for the elimination of the Hancock wastewater pumping station. The station is nearing the end of its useful life and provisions for the replacement are necessary. The elimination of the pumping station will reduce the operation and maintenance required to maintain and the sulfide odor and corrosion associated with the facility.	$10,000	2013
5	Acquisition of a 4WD HD Cab & Chassis with Pickup Body and Snow Plow # 404 Highway	$45,374 G.F.	This unit is assigned to the Highway Division for; the transportation and/or towing of equipment, tools, and personnel to work sites within the 250 mile roadway network, the provision of transportation for the supervision of in house and contractual work, and the plowing of snow throughout the Town as	This nine year old truck will require extensive work in order to repair the effects of corrosion on the body and frame from having worked extensively in adverse weather conditions. If approved in the FY2013 Capital Budget, this vehicle will have approximately 175,000	$0	2013

			assigned. The types of equipment transported include emergency lighting units, air compressors, diesel generators, cement mixers, heavy duty pumps, equipment trailers, and other construction and emergency types of specialized equipment. The types of equipment carried to work sites include plate compactors, chain saws, fuel containers, hand tools, concrete tools, power saws, small generators, etc. This unit will be replaced with a Heavy Duty 4WD Cab, Chassis, Pickup Body, and equipped with a snow plow, two way radio, emergency and safety lighting, and AC Power inverter.	miles at its time of replacement. The truck is becoming prone to breakdowns and is not a reliable vehicle for its intended assignment. This unit, as originally purchased had a low GVW rating and as such was not able to be equipped with a snow plow. It is proposed to be replaced with a heavier duty 4WD Cab, Chassis with Pickup Body, and will be equipped with a snow plow.		
6	East Framingham Sewer Improvements Project and Central Street Siphon/Sudbury River Sewer	$2,400,000 E.F.	The East Framingham Sewer Improvement Project and the Central Street Siphon/Sudbury River projects are two of the largest sewer projects outlined in the comprehensive wastewater Master Plan. The Town will eliminate several sanitary sewer overflows (SSOs) when these projects are completed. The Town is mandated to complete these projects under an Administrative Consent Order by the Department of Environmental Protection. These projects are currently under construction and have been approved to receive over $5 million funds under the American Recovery and Reinvestment Act of 2009 ("stimulus" funds).	Both these projects involve very deep excavations in primary traffic corridors in the Town. During the construction of these projects, several unforeseen conditions arose. These include additional material handling and purchase as a result of hazardous waste impacted soil and groundwater encountered in the excavations, increased fill purchased due to poor soil conditions, change in state permitting requirements, traffic management, and property acquisitions. The property acquisitions include the purchase of parcels from the Massachusetts Bay Transit Association (MBTA) and the Massachusetts Department of Transportation (MassDOT) to install a new 24-inch gravity sewer interceptor. This acquisition was necessary to facilitate the elimination of the Speen St Pump Station and the associated sewer force main piping that is associated with significant sulfide generation, SSOs and is located in Natick for several miles. This property acquisition will also allow for the construction and use of the Cochituate Rail Trail.	$0	2013
6	Acquisition of a 3.5 CY Front End Loader and Plow # 521 Sanitation	$205,527 G.F.	This piece of equipment is used daily at the Recycling Center and Yard waste Drop-off. This loader is utilized for more daily hours of service than any other loader within the Department of Public Works. This unit's primary function surrounds the daily maintenance and operations of the Leaf and Yard Waste Facility. The vehicle is employed when loading between 5,000 and 8,000 yards of leaves that are removed from the facility annually. In addition, this unit is also utilized in the composting of roughly 1,000 yards of material annually. The composting process requires frequent turning of the piles to create a quality product that the Town has been selling for the past three years. During normal hours of operations this unit is used to keep the facility clear and functioning as the resident dispose of their materials. In addition to routine maintenance of both the Recycling Center and the Yard Waste Drop-off, this unit loads 100 to 200 yards of metal weekly for removal to the salvage company. It is utilized to load other hard to manage commodities for final disposition such as rigid plastics, white goods, ect. This equipment is also critical during all aspects of a snow and	The existing two cubic yard (cy) front end loader is 25 years old and is in a deteriorated state as it has been housed out in the elements for its entire life. It currently has 10,630 hours which is the equivalent of over 370,000 miles. This unit undersized and suffers from regular mechanical breakdowns. Routinely the division must borrow a loader from other division's to accomplish our daily goals and objectives; this then hinders those divisions operations.	$0	2013

			ice operations to both load salt and sand, plow snow or to load snow from the roadways and municipal lots.			
6	Water Hydrant and Gate Valve Replacements 2013 Water	$200,000 E.F.	The requested funding will be used to replace approximately 50 hydrants and 25 gate valves utilizing in-house staff and contracted services as-needed. The appropriation includes the purchase of hydrants, gate valves and appurtenances as well as roadway and sidewalk restoration. Additionally the department will be continuing a Gate valve exercising program that was successfully piloted this past summer.	One of the most critical services that the Water Department provides is ensuring adequate water volume and pressure for firefighting purposes and hydrants in good working order. In accordance with the master plans recommendation the water division replaces a minimum of 50 hydrants and associated gate valves per year. In addition to replacing the aforementioned Hydrants and valves it is critical that we exercise the over 5,000 gate valves that control the flow of water throughout the distribution system. These exercises provide invaluable data to both operations as well as the capital design group.	$0	2013
7	Roadway Improvements 2013 Highway	$5,200,000 G.F.	This Capital Program request is intended to provide funding for the rehabilitation and or reconstruction of the Town's arterial and secondary road segments. The roadway network is a vital element of the Town's overall infrastructure and represents a significant investment requiring considerable maintenance. The roadway network has been evaluated and critical infrastructure improvements and repairs have been identified. The components of this program include roadway surface rehabilitation, design and installation of storm drain improvements, repairs to existing storm drain infrastructure, design and reconstruction of roadway, sidewalks, curbing and traffic controls as well as bridge repairs.	These road segments will continue to deteriorate and further deferral of repairs will result in more of these road segments reaching a point of total reconstruction, consequentially, at a higher cost and greater inconvenience.	$0	2013
7	Speen Street Service Connections Sewer	$650,000 E.F.	The East Framingham Sewer Improvements Project (EFSIP) includes the elimination of the Speen Street Pump Station and the decommissioning of the associated 12-inch and 16-inch force main piping. The Speen Street Pump Station is located on the east side of Town on Speen Street near the I-90/Route 30 Interchange. As part of the EFSIP Project, it was noted that three existing out of Town accounts in Natick discharge their wastewater to the Framingham sewer system via direct connections to the Speen Street force main. This project includes the design and construction of improvements that include reuse of a portion of the existing force main to continue to provide sewer service to these three out of Town accounts.	The out of Town accounts currently connected to the Speen Street force main are provided sewer service by the Town of Framingham. This will provide improvements to continue this service.	$0	2013
8	Irving, Herbert, Loring, Sewer Construction Project Construction Sewer	$2,475,000 E.F.	This project will provide funds for the construction of a sewer system replacement/upgrade in the vicinity of the Herbert, Loring, and Irving Street intersection. The sewer siphons under the MWRA aqueduct will be upgraded and the pipe crossing at Beaver Dam Brook will also be upgraded. The length of sewer and siphon in the project is approximately 450 linear feet for each; for a total of approximately 900 linear feet. Sewer improvements are planned to include the installation of new siphons (24-inch and 18-inch) by jacking under the aqueduct and pipe crossing at grade across the brook. Disturbed roadway	The sewer system in this area was constructed over two separate construction periods, originally in the 1920s and subsequently in the 1980s. Due to the presence of the MWRA aqueduct and Beaver Dam Brook, the pipes are configured to provide siphons at the crossings. The siphons were not constructed to provide inter-operability and do not function well. Sedimentation of solids in the siphons has caused sewer surcharging in upstream pipe segments. To mitigate this condition the DPW has instituted frequent maintenance activities to keep the	$2,000	2013

			surfaces will be temporarily paved with a trench patch followed by full width mill and overlay (paid under the water portion of the project). Full easement acquisitions for multiple commercial and possible residential properties are anticipated as part of this project as well as costs associated with permitting for construction within the MWRA property. The project will include negotiations with Ashland in regards to the Inter-municipal agreement for capital cost allocation.	siphons clear of debris. The project will provide for a flexible and more optimized sewer system. It is anticipated that the siphon at the Brook crossing will be eliminated and replaced with a pipe crossing similar to the existing pipe crossing at Herbert Street.		
8	Sidewalk/Accessibility Improvements 2013 Highway	$150,000 G.F.	This program was first initiated to address the replacement and addition of sidewalk ramps in conformance with the American Disability Act. During the implementation of this program, issues relative to continuity and compliance of sidewalks adjacent to these improvements prompted expansion of the program to include sidewalks and other accessibility issues.	The program is needed to ensure the Town's conformance to ADA and the needs of disabled citizens to safely utilize the network of sidewalks. The department has prioritized the work of this program to include the areas with the greatest volume of pedestrian traffic.	$0	2013
9	Speen Street Interceptor Sewer Replacement Project Design and Construction Sewer	$1,178,000 E.F.	The funding for this project will allow the replacement of approximately 800 linear feet of 24-inch Vitrified Clay sewer pipe located immediately upstream of the Speen Street pump station. It also includes the evaluation and lining of an additional approximate 800 linear feet section of pipe located immediately upstream of the replacement section. The existing pipe has experienced two major breaks in the last few years and required significant excavation to perform emergency repairs. The project includes cost to obtain easements from landowners within the pipe alignment as well as restoration of disturbed surfaces along the alignment. The construction will require open cut construction work across a brook.	Investigations of earlier pipe collapses have revealed significant structural failure in the 800 section of pipe. The pipe is located adjacent to a waterway and wastewater overflows have contaminated the stream. Replacement of the 70+ year old vitreous clay pipe is required to prevent future catastrophic failures. The lining section of the pipe will allow for a non-intrusive repair to be performed before significant structural failures occur, extending the life of the pipe.	$0	2013
9	Acquisition 40,000 GVW Cab & Chassis w/Dump Body, snowplow, sander & underbody scraper #438 Highway	$225,697 G.F.	This heavy truck is used throughout the year in the maintenance and construction of the 250 miles of public roads in Framingham. The work includes the maintenance of roadway appurtenances such as sidewalks, curbing, catchbasins, stormdrains, and trees. The truck hauls materials and trailers equipment to and from the worksites. The typical material hauled by this truck would include asphalt, gravel, sand, cement block, and other construction related materials. The vehicle also tows equipment to and from work sites such as small excavators, backhoes, compressors, and other medium duty equipment. In the winter season, this truck serves as one of the primary zone sander trucks assigned to critical areas of the Town during snow events. The frequent breakdown of this vehicle can delay response times and thereby has a detrimental effect on the ability for motorists to safely travel during a snow event. Framingham serves as a transportation hub for the Metrowest area and is also the center for one of the largest retail and manufacturing bases in New England. This presents a significantly more difficult challenge for the Department in the management of its winter operations due the tremendous volume of vehicles that either have Framingham as their destination, or are passing through	The existing truck will be 19 years old and have over 9,000 hours at the time of replacement (this is the equivalent of 315,000 miles). It is in very poor condition after having worked as a front line unit in construction and snow fighting service. It is also extremely difficult to acquire parts for this vehicle as the manufacturer closed its heavy truck business and the production of component parts at about the same time the truck was acquired. The resultant long delay in locating parts together with the general unreliability of this older vehicle, creates frequent inefficiencies and chaos in the production of planned work especially in winter conditions. This is one of the heavy trucks that has a critical primary sander route and its functional reliability is necessary to keep routes open and safe to travel upon. The Department still operates two of these Ford L8000 cab and chassis' and they are all in an advanced state of deterioration after 18 years of heavy use in difficult environmental conditions.	$0	2013

			Framingham in order to get to a major highway. This burden is significantly greater than that of other communities in the region and the Department is required to be prepared for the appropriate response at all times. The existing truck will be replaced with a similarly configured unit. The replacement vehicle will be a 40,000 GVW dump body truck equipped with a snowplow, underbody scraper, two way radio, material spreader, and hydraulic controls. The production of a heavy truck and the assembly of its component parts require approximately a year (and winter) from the date of the bid award. As such, the truck will have to function for another year even if it is approved by Town Meeting in the spring.			
10	Acquisition of a 68,000 GVW Cab & Chassis with Rolloff Frame #519 Sanitation	$225,160 G.F.	This piece of equipment is a critical part of our recycling program and daily operations at the Recycling Center. This vehicle's primary use is transporting 40 yard roll off containers with commodities (recyclable materials) collected at the Recycling Center to be sold or further processed at various vendors located throughout our region. In a one week period, this unit can make over 40 trips to different locations with a multitude of recyclables. Further, this vehicle is utilized in the hauling of hard to dispose of, or materials that are banned from inclusion in our regular household trash. For example, this often includes bulky items collected in special curbside pickups and at the Recycling center such as mattresses, carpets, white goods, etc. Furthermore, this unit is an integral part of the Town's leaf and yard waste program; allowing for significant cost saving by self hauling our leaves to disposal facilities. Utilization of this unit cuts our leaf disposal cost from $10 per ton when hauled by a private contractor to $ .50 per ton when hauled with this unit. The vehicle typically is utilized to haul between 5,000 to 8,000 yards of leaves annually. In addition, this unit also delivers compost to Framingham schools during any given year. This vehicle is used in support of many different town departments by allowing us to place dumpster containers at various projects throughout town. This again allows significant saving over private dumpster disposal. This unit is also intended to be a critical piece of equipment during all aspects of a snow and ice control. In addition to being utilized on the main hub routes, this vehicle is also used to haul snow during snow removal operations from downtown, roadside and municipal parking lots.	The existing vehicle is 18 years old and, if approved in the FY2013 capital budget, it will have over 90,000 road miles and over 9,000 hours (the equivalent of over 320,000 miles). Due to the age and condition of this unit, it is not used as a primary piece of equipment during snow and ice operations. Due to its required nature in daily operations it is currently only utilized in extreme cases as a backup during snow and ice operations.	$0	2013
10	Wastewater Back-Up Systems Upgrades Sewer	$550,000 E.F.	This project is for improvements to the back-up power and pumping systems at the Woodland and Salem End wastewater pumping stations. The work includes the installation of a generator and automatic transfer switch to power the pumps at the Woodland wastewater pumping station. The generator will be sized to meet the power demands of the station and other systems including lighting and SCADA systems. The Salem End wastewater pumping station	The two stations do not have the required back-up systems to ensure the maintenance of sewer flows during power failure. The Woodland pumping station is difficult to access and has experienced significant stormwater flooding, making it vulnerable to power failure. The pumps at the station experienced complete failure during recent flooding situation and older back-up pumps are not functional. The Salem	$0	2013

			improvements will include the addition of a critically silenced engine driven pump system that will also be configured to allow the SCADA control systems to be maintained during an extended power failure. Improvements at both stations will include minor civil improvements and electrical upgrades to allow the installation of the new systems.	End pumping station cannot convey peak flows without the use of additional pumping equipment and lacks DEP required back-up systems to convey wastewater under power failure conditions.		
11	Hemenway Gravity Sewer and Hop Brook / Railroad Sewer Crossing Project Construction Sewer	$2,965,000 E.F.	The Hemenway Road and Hop Brook Railroad Crossing Gravity Sewer Replacement Project will provide funds for the replacement of the two sections of the Town's gravity sewer system. The Hemenway Road gravity sewer was identified to be in deteriorated condition as a result of sulfide corrosion acting on the asbestos cement pipe and needs to be replaced in conjunction with the Eaton, Challis and Nob Hill pumping station project. The funding will provide monies to provide for the replacement of approximately 2,200 feet and lining of approximately 1,700 feet of gravity sewer on Eisenhower Road and Hemenway Road between Eaton Road and Merrill Drive. The roadway surface will also be restored as part of the project. The second section of sewer to be replaced as part of this project is the gravity sewer extending from Apple D'Or Road cross-country to Hemenway Road. The sewer in this section crosses the railroad and it exposed at two locations within the wetland and poses a threat to release wastewater into the wetland. Approximately 700 linear feet of sewer will be rehabilitated, replaced and realigned as part of the project. The pipe crossing of the railroad will include considerations for the protection of the sewer from surface activities.	The sewer system related to these improvements suffers from a variety of problems related to sulfide corrosion, limited capacity, condition, and age. The replacement of the gravity sewer system is required to prevent significant cost and damage associated with structural failure. The repairs will also reduce the vulnerability associated with the current configuration.	$0	2013
11	Replacement of a Sidewalk Tractor with Snow Plow - DPW Unit #464 Highway	$151,200 G.F.	This request is for the replacement of a 1993 Bombardier Sidewalk Tractor that is used to plow the snow from the sidewalks and school paths that are located throughout the Town.	The existing unit is 19 years old and is in poor condition. Despite an aggressive maintenance effort over its life, the machine is now unreliable and is frequently the cause of significant delays in completing this difficult storm related task. These machines work in a debilitating environment and as a consequence, are frequently damaged and are very expensive to maintain. It is common to spend from $8,000-$12,000 annually in labor and parts to keep these older machines operational. The Department deploys up to six tractors both during and after a snowstorm, each responsible for a route of approximately 15 miles each, which is typically covered multiple times at a rate of less than 5 miles per hour. The work is arduous and excruciatingly slow and often the tractor must travel ten miles just to get to an assigned area. This tractor suffers from extensive corrosion and is one of the Department's many vehicles that remain parked outdoors all year subject to the variances of the environment. The Department is responsible for clearing snow from more than 85 miles of sidewalks both during and immediately after a winter event. Due to the large geographic nature of the Town, the	$0	2013

				Department is responsible for the removal of snow from an extraordinary amount of sidewalks each storm and the efficiency of that effort is directly related to the quality of the machinery that may be applied for that purpose. The Department is required to have all of the designated sidewalks cleared in order for school to open. The machine is used to plow sidewalks in the commercial areas as well, and is essential in the manipulation of the snow at the curb line during snow removal operations. The winter storm work requires six well functioning sidewalk tractors and two older spare units in order to complete the routes safely and within a reasonable time period. The existing sidewalk tractor is a tracked model that is not able to operate the auxiliary attachments that are typical for this type of machine and that would broaden its functionality in a snow storm, such as a snow blower and material spreader. This older model unit is proposed to be replaced with an updated tracked unit. It will be equipped with a V-plow and an angling plow, as well as, a snow blower, two way radio, warning lights, and material spreader. This newer designed tracked machine, and its auxiliary equipment, will allow the Department to complete maintenance work more expeditiously and more effectively in the Town's 250 mile right of way.		
12	Acquisition of a heavy duty 4WD pickup truck and snow plow - DPW Unit 44 Highway	$45,374 G.F.	This request is for the replacement of a 4WD Cab and Chassis with pick up body and snow plow, two way radio, and warning lights. The truck is used in the maintenance management of the 250 miles of roadway right of way and is assigned to the supervisory function of that work. The vehicle is used in the supervision and inspection of roadway and sidewalk maintenance work by Department crews as well as private contractors. This vehicle, as are all Public Works supervisory vehicles, is outfitted with critical first response equipment in order to enable a rapid response to hazardous waste spills, traffic control device failures, and storm related emergencies. The equipment includes portable radios, emergency lighting, hazardous spill retention booms, barricades and cones, asset maps, mobile data terminals, and other equipment as may be deemed appropriate. The vehicle is used to tow multiple types of trailered equipment to and from work sites including: generators, cement mixers, variable message boards, compressors, light towers, and small equipment trailers. In addition, the vehicle will be equipped with a snow plow and assigned areas to both manage the operation and plow streets.	The existing truck will have approximately 135,000 miles at the time of its replacement assuming it is approved in the FY2013 Capital Budget. The vehicle has been used extensively in plowing assignments and this has resulted in fatigue to the frame and suspension components. The corrosion on the body had been repaired in recent years, but its high mileage and overall condition is such that a further investment in its maintenance and operation is likely to exceed its current value. The replacement vehicle, except when operating in four wheel drive, is more fuel efficient than the current vehicle and will result in a slight reduction in operating costs.	$0	2013
12	Sewer Main Replacement Various Locations 2013 Sewer	$250,000 E.F.	The design and construction to replace existing wastewater mains and appurtenances in various locations. The work includes the rehabilitation or	During the course of the year the Department encounters situations where small sections of wastewater mains are found to be in need of	$0	2013

			replacement of wastewater mains, manholes, structures and related equipment at locations to be identified later.	replacement through traditional construction methods or rehabilitated with a structural liner. This project would allow the Department to survey, design and construct the work utilizing in-house staff whenever possible or to contract out where immediate attention is required. Particular attention will be placed on locations where the risk of failure is high and could result in health safety issues including sewer system overflows or back-ups into customer's buildings.		
13	Saxonville Levee Pump Station Improvements - Design Engineering	$152,500 G.F.	This project will provide funds necessary to complete a detailed evaluation of the Saxonville Levee Pump Station and design recommended improvements. This drainage pumping station is critical to the protection of the buildings within the Saxonville levee and upgrades are needed to prevent a failure of the levee system. This project is as a result of recommendations made as part of the Levee reaccreditation report as required by the Army Corps of Engineers. Preliminary improvements expected to be part of the project include the replacement of the two diesel operated 7,000 gpm pumps with new electric pumps, new SCADA and telemetry systems, and new backup power capability, limited architectural improvements, roof replacement, and limited HVAC replacements. The project area will be limited to the existing building footprint and site, although an initial research of property rights of the pump station is included.	The Saxonville Levee pump station is an integral unit within the levee system. It is largely original equipment and is approximately 30 years old. The equipment is becoming increasingly difficult to maintain and the systems are unreliable. The building also needs customary replacements to prevent going into significant disrepair.	$0	2013
14	Replacement of a Sidewalk Tractor with Snow Plow - DPW Unit #463 Highway	$151,200 G.F.	This request is for the replacement of a 1994 Bombardier Sidewalk Tractor that is used to plow the snow from the sidewalks and school paths that are located throughout the Town.	The existing unit is 18 years old and is in poor condition. Despite an aggressive maintenance effort over its life, the machine is now unreliable and is frequently the cause of significant delays in completing this difficult storm related task. These machines work in a debilitating environment and as a consequence, are frequently damaged and are very expensive to maintain. It is common to spend from $8,000-$12,000 annually in labor and parts to keep these older machines operational. The Department deploys up to six tractors both during and after a snowstorm, each responsible for a route of approximately 15 miles each, which is typically covered multiple times at a rate of less than 5 miles per hour. The work is arduous and excruciatingly slow and often the tractor must travel ten miles just to get to an assigned area. This tractor suffers from extensive corrosion and is one of the Department's many vehicles that remain parked out of doors all year subject to the variances of the environment. The Department is responsible for clearing snow from more than 85 miles of sidewalks both during and immediately after a winter event. Due to the large geographic nature of the Town, the Department is responsible for the removal of snow from an extraordinary amount of sidewalks	$0	2013

				each storm and the efficiency of that effort is directly related to the quality of the machinery that may be applied for that purpose. The Department is required to have all of the designated sidewalks cleared in order for school to open. The machine is used to plow sidewalks in the commercial areas as well, and is essential in the manipulation of the snow at the curb line during snow removal operations. The winter storm work requires six well functioning sidewalk tractors and two older spare units in order to complete the routes safely and within a reasonable time period. The current unit is not able to operate the auxiliary attachments that are typical for this type of machine and that would broaden its functionality in a snow storm, such as a snow blower and material spreader. This older model unit is proposed to be replaced with an updated tracked unit. It will be equipped with a V-plow and an angling plow, as well as, a snow blower, two way radio, warning lights, and material spreader. This newer designed tracked machine, and its auxiliary equipment, will allow the Department to complete maintenance work more expeditiously and more effectively in the Town's 250 mile right of way.		
15	Acquisition of a 4WD HD Cab & Chassis with Pickup Body and Snow Plow # 407 Highway	$45,374 G.F.	This unit is assigned to the Highway Division for the transportation and/or towing of equipment, tools, and personnel to work sites within the 250 mile roadway network, the provision of transportation for the supervision of in house and contractual work, and the plowing of snow at throughout the Town as assigned. The types of equipment transported include emergency lighting units, air compressors, diesel generators, cement mixers, heavy duty pumps, equipment trailers, and other construction and emergency types of specialized equipment. This unit will be replaced with a Heavy Duty 4WD Cab, Chassis, Pickup Body, and equipped with a snow plow, two way radio, emergency and safety lighting, and AC Power inverter.	This nine year old truck will require extensive work in order to repair the effects of corrosion on the body and frame from having worked extensively in adverse weather conditions. This vehicle will have over 150,000 miles at the time of replacement if it is approved in the FY2013 Capital Budget. The truck is becoming prone to breakdowns and is not a reliable vehicle for its intended assignment. This unit, as originally purchased, had a low GVW rating and as such was not able to be equipped with a snow plow. It is proposed to be replaced with a heavier duty 4WD Cab, Chassis with Pickup Body, and will be equipped with a snow plow.	$0	2013
16	Acquisition of a Front End Loader 3CY with Snow Plow # 453 Highway	$205,527 G.F.	This piece of equipment is used daily for all construction, maintenance and pit operations. This loader is used to load and move materials such as gravel, stone, waste asphalt and excavate at the Western Avenue Facility; to load sanders and dump trucks at the Henry Street Facility with salt, sand salt mix, street sweepings and catch basin cleanings. This equipment is also critical during all aspects of a snow and ice incident to both load salt and sand, plow snow or to load snow from roadways and municipal lots. This piece of equipment is proposed to be replaced with a Front End Loader 3CY and equipped with a snowplow, warning lights, and a two way radio. This unit was differed from the Capital Budgets for the last two years.	This two cubic yard (cy) front end loader is 23 years old and is in a deteriorated state as it has been housed out in the elements for its entire life. It currently has 10,035 hours which is the equivalent of over 350,000 miles. It has exceeded its estimated functional life by seven years and has provided great service to the Department, but it is aged and in poor operating condition. The Department has expended funds in recent years to repair the cab and complete some of the engine work required, but it is at the end of its practical life.	$0	2013
17	The replacement of a	$79,351	This piece of equipment is used by the	This unit is 12 years old and is in fair	$0	2013

	2001 Brush Chipper - DPW unit 481 Highway	G.F.	tree crews to chip brush and limbs from the maintenance of the more than 10,000 Public Shade Trees that line the 250 miles of streets in Framingham. This is also a critical component in the response to downed trees and the damage caused by heavy winds and snow. The existing equipment will be replaced with a heavy duty brush chipper with reversing action capabilities.	condition. Brush chippers are a mechanical device with hundreds of moving parts that is used for the grinding of tree limbs and converting the waste into chips for easier transport and disposal, or for re-use. The nature of the mechanism is such that it is subject to intense vibration during operation and after 12 years of use, the fatigue is evident in both the chassis and the bearing components. The machine is stored outside and it is also subject to the abuse of the varying climate.		
7	Replacement of Vehicle #607	$62,233	15,000 GVW 2 Wheel Drive With Utility Body	Vehicle was due for replacement in 2013 and was deferred for one year. It is beyond its useful life.	$0	2014
8	Replacement of Equipment # 696	$47,449	Portable Welder	Equipment was due for replacement in 2013 and was deferred for one year. It is beyond its useful life.	$0	2014
9	Union Avenue Water Main Replacement - Construction	$4,299,750	Replace approx. 9,100 l.f. of existing 8/12-inch w.p. with new 12-inch w.p.	Necessary Infrastructure Improvements	$0	2014
10	Barbieri Road Water Main - Construction	$1,012,500	Directional drill of approx. 1,500 of new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2014
11	Water Main Replacement Various Locations 2014	$200,000	Funding for the DPW to respond to unanticipated water system failures.	Necessary Infrastructure Improvements	$0	2014
12	Water Hydrant and Gate Valve Replacements 2014	$300,000	Funding for the timely repair of water system infrastructure.	Necessary Infrastructure Improvements	$0	2014
13	Evergreen Street Water Main Replacement	$270,600	Replace approx. 650 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2014
13	Replacement of Vehicle # 740	$272,301	60,000 GVW Cab and Chassis w/ Flusher	Vehicle has reached its useful life and is due for replacement	$0	2014
14	Replacement of Vehicle #76	$58,398	F Series Heavy Duty Cab and Chassis w/ Plow	Vehicle has reached its useful life and is due for replacement	$0	2014
14	Learned Street Water Main Replacement	$166,500	Replace approx. 400 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2014
15	Myrtle Street Water Main Replacement	$187,500	Replace approx. 450 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2014
15	Worcester Road Pumping Station Elimination Project - Construction	$15,000,000	Eliminate Worcester Road PS. Run gravity sewer to Kittredge PS. Upgrade Kittredge PS and FM. Connect new FM to EFSIP phase 1 along Prindiville to Grant Street. Eliminate Union Ave extension siphon.	Necessary Infrastructure Improvements	$0	2014
16	Central Street Sewer Improvements - Design	$250,000	Replace approx. 12,200 l.f. of existing 12-inch w.p. with new 12-inch w.p.	Necessary Infrastructure Improvements	$0	2014
17	Salem End Road Water Design	$650,000	Install approx. 400 l.f. of new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2014
17	Sewer Main Replacement Various Locations 2014	$300,000	Funding for the DPW to respond to unanticipated sewer system failures.	Necessary Infrastructure Improvements	$0	2014
18	Comprehensive Wastewater Management Plan Update	$500,000	Amend and update the Comprehensive Wastewater Master Plan to account for significant infrastructure improvements since the initial draft and adjust CIP accordingly.	Necessary Infrastructure Improvements	$0	2014
18	Water Master Plan Update	$750,000	Update of Water Master Plan and recalibaration of water distribution model.	Update of Water Master Plan needed.	$0	2014
18	Replacement of Vehicle #514	$269,880	72,000 GVW C&C W/ Refuse Packer & Plow	Vehicle has reached its useful life and is due for replacement	$0	2014
19	Replacement of Vehicle # 618	$58,398	11,000 GVW 4WD Cab and Chassis with Utility Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2014
19	Route 9 / Central Street Water Design	$242,000	Install approx. 6,500 l.f. of new 20-inch w.p.	Necessary Infrastructure Improvements	$0	2014
19	Gates St / Oak Crest / Salem End Rd Pump	$2,000,000	Eliminate Gates PS with new gravity down to Salem End Road PS. Upgrade	Necessary Infrastructure Improvements	$0	2014

	Station Project - Design		Salem End Rd FM. Gravity Sewer on Temple St.			
19	Replacement of Vehicle #505	$68,957	15,000 GVW 4WD C&C w/ Rack Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2014
20	Replacement of Equipment # 401	$47,189	F Series Heavy Duty Cab and Chassis with Plow	Vehicle has reached its useful life and is due for replacement	$0	2014
20	Replace Vehicle #624	$58,398	11,000 GVW C&C w/ Utility Body	Vehicle has reached its useful life and is due for replacement	$0	2014
21	Replacement of Vehicle #418	$106,195	17,500 GVW 2-Wheel Drive Cab and Chassis with Rodder	Vehicle has reached its useful life and is due for replacement	$0	2014
21	Replacement of Vehicle #650	$146,817	Backhoe/Loader	Vehicle has reached its useful life and is due for replacement	$0	2014
22	Central Street Water Main Design	$385,000	Replace approx. 12,200 l.f. of existing 12-inch w.p. with new 12-inch w.p.	Necessary Infrastructure Improvements	$0	2014
22	Replacement of # 439	$234,166	40,000 GVW Cab and Chassis with Hooklift and Plow	Vehicle has reached its useful life and is due for replacement	$0	2014
23	Replacement of Vehicle # 445	$259,567	Four Wheel Sweeper	Vehicle has reached its useful life and is due for replacement	$0	2014
24	Replacement of Vehicle # 450	$141,171	Backhoe/Loader w/ Plow	Vehicle has reached its useful life and is due for replacement	$0	2014
25	Replacement of Vehicle # 452	$213,748	3.5 CY Front End Loader	Vehicle has reached its useful life and is due for replacement	$0	2014
26	Replacement of Vehicle # 462	$157,248	Sidewalk Tractor - Tracked	Vehicle has reached its useful life and is due for replacement	$0	2014
27	Replacement of Vehicle #498	$49,263	Forklift Truck	Vehicle has reached its useful life and is due for replacement	$0	2014
28	Replacement of Equipment #499	$450,162	4 Wheel Snowblower	Equipment has reached its useful life and is due for replacement	$0	2014
29	# 301	$118,709	15,000 GVW 4WD Cab and Chassis w/Utility Body	Vehicle has reached its useful life and is due for replacement	$0	2014
30	Automated Solid Waste Program	$850,000	Automation of Solid Waste Curbside Collection	Improvements in efficiency to Solid Waste Curbside Collection	$0	2014
31	Replacement of Vehicle #512	$269,880	72,000 GVW C&C w/Refuse Packer & Plow	Vehicle has reached its useful life and is due for replacement	$0	2014
32	Replacement of Vehicle #52	$47,189	8,800 GVW 4WD Pickup Truck and Plow	Vehicle has reached its useful life and is due for replacement	$0	2014
33	Replacement of Equipment #484	$48,672	Asphalt Berm Machine	Vehicle has reached its useful life and is due for replacement	$0	2014
34	Sidewalk/Accessibility Improvements 2014	$150,000	The replacement and addition of sidewalk ramps in conformance with the ADA. Also improvements in sidewalks and other accessibility issues.	Necessary Infrastructure Improvements	$0	2014
35	Replacement of Vehicle #451	$213,748	3.5 CY Front End Loader	Vehicle has reached its useful life and is due for replacement	$0	2014
36	Replacement of Vehicle # 441	$196,434	64,000 Cab and Chassis	Vehicle has reached its useful life and is due for replacement	$0	2014
37	#460	$157,248	Sidewalk Tractor-Tracked	Vehicle has reached its useful life and is due for replacement	$0	2014
38	Roadway Improvements 2014	$5,200,000	Supplemental funds for the surfacing, restoration and/or reconstruction of the Town's arterial and secondary roadway segments.	Necessary Infrastructure Improvements	$0	2014
39	Replacement of Vehicle #446	$259,567	4 Wheel Sweeper	Vehicle has reached its useful life and is due for replacement	$0	2014
40	Replacement of #486	$37,856	Static Asphalt Roller	Equipment has reached its useful life and is due for replacement	$0	2014
41	Beaver Dam Brook/High Risk Structures Phase 2	$300,000	Phase 2 Improvements	Necessary Infrastructure Improvements	$0	2014
42	Fountain Street Drain & Outfall Improvements	$350,000	Improvements to the Fountain Street Drainage and Outfall	Necessary Infrastructure Improvements	$0	2014
43	School Street Bridge Construction	$500,000	Supplements utility funds to replace bridge structure.	Necessary Infrastructure Improvements	$0	2014
44	Johnson Street Outfall Repairs	$145,000	Repairs to the Johnson Street Outfall	Necessary Infrastructure Improvements	$0	2014
45	Irving Street Vegetated Drain Swale	$25,000	Upgrade Fountain Street Drain and Outfall	Necessary Infrastructure Improvements	$0	2014

46	Stormwater Management Plan Phase IV	$250,000	The study and assessment of the stormwater systems and associated surface water.	Necessary Infrastructure Improvements	$0	2014
20	Replacement of Vehicle #75	$60,708	F Series Heavy Duty Cab and Chassis w/ Plow	Vehicle has reached its useful life and is due for replacement	$0	2015
21	Union Avenue Sewer Improvements - Construction	$6,750,000	Replace existing sewer main.	Necessary Infrastructure Improvements	$0	2015
22	Technology Park Sewer: Baiting Brook Interceptor and Lower 9/90 Interceptor Upgrades - Construction	$4,000,000	Upgrade to Baiting Brook Interceptor and lower 9/90 Interceptor to support Tech Park expansion. Construction of Bainting Brook only	Necessary Infrastructure Improvements	$0	2015
23	Replacement of Vehicle #625	$72,112	11,000 GVW 4WD Cab and Chassis with Dump Body	Necessary Infrastructure Improvements	$0	2015
23	Central Street Sewer Improvements - Construction	$2,000,000	Improve Remaining sections of sewer on Central St	Necessary Infrastructure Improvements	$0	2015
24	Sewer Main Replacement Various Locations 2015	$300,000	Funding for the DPW to respond to unanticipated sewer system failures.	Necessary Infrastructure Improvements	$0	2015
24	Central Street Water Main Replacement - Constructi	$5,764,500	Replace approx. 12,200 l.f. of existing 12-inch w.p. with new 12-inch w.p.	Necessary Infrastructure Improvements	$0	2015
25	Salem End Road Water Main Construction	$6,646,500	Install approx. 400 l.f. of new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2015
25	Sewer System Evaluation Study Phase 6	$500,000	SSES work in Sub-areas K, C, A, E and M	Necessary Infrastructure Improvements	$0	2015
26	Woodland Pump Station Replacement - Design	$400,000	Upgrade Woodland Pumping Station and Force Main.	Necessary Infrastructure Improvements	$0	2015
26	Warren Road and Prindiville Water Main	$300,000	Water main replacement with Worcester Rd PS Elimination Project.	Necessary Infrastructure Improvements	$0	2015
27	Edmands Road Water Main Replacement - Construction	$1,700,000	Install new 8-inch w.p. to loop dead-end pipe from Southborough.	Necessary Infrastructure Improvements	$0	2015
28	Water Main Replacements Various Locations 2015	$200,000	Funding for the DPW to respond to unanticipated water system failures.	Necessary Infrastructure Improvements	$0	2015
29	Water Hydrant & Gate Valve Replacements 2015	$300,000	Funding for the timely repair of water system infrastructure.	Necessary Infrastructure Improvements	$0	2015
30	Route 9 / Central Street Water Construction	$3,619,700	Install approx. 6,500 l.f. of new 20-inch w.p.	Necessary Infrastructure Improvements	$0	2015
31	Edgell Water Pump Station Design	$405,000	Rehabilitate Existing 9.4 MGD Pump Station.	Necessary Infrastructure Improvements	$0	2015
32	Indian Head Water Tank Rehabilitation - Design	$165,000	Rehabilitate Existing 3.5 million gallon water storage tank.	Necessary Infrastructure Improvements	$0	2015
33	Temple Street Water Replacement - Design	$108,000	Replace approx. 3,500 l.f. of existing 8-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2015
47	Replacement of Vehicle #513	$283,374	72,000 GVW C&C w/ Refuse Packer & Plow	Vehicle has reached its useful life and is due for replacement	$0	2015
48	Replacement of Vehicle #46	$60,734	11,000 GVW 4WD C&C With Utility Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2015
49	Replacement of Vehicle #421	$244,114	40,000 GVW C&C w/ Dump Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2015
50	Replacement of Vehicle #411	$72,112	15,000 GVW 4Wheel Drive Cab and Chassis With Dump	Vehicle has reached its useful life and is due for replacement	$0	2015
51	Sidewalk/Accessibility Improvements 2015	$150,000	The replacement and addition of sidewalk ramps in conformance with the ADA. Also improvements in sidewalks and other accessibility issues.	Necessary Infrastructure Improvements	$0	2015
51	Replacement of Vehicle #726	$70,512	F Series Heavy Duty Cab and Chassis w/ Rack Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2015
52	Roadway Improvements 2015	$5,200,000	Supplemental funds for the surfacing, restoration and/or reconstruction of the	Necessary Infrastructure Improvements	$0	2015

			Town's arterial and secondary roadway segments.			
53	Replacement of Vehicle #41	$60,734	11,000 GVW 4WD C&C w/ Utility Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2015
54	Clean, TV Inspection for High Sediment Lines	$75,000	Improvements to High Sediment Lines	Necessary Infrastructure Improvements	$0	2015
55	Waverly Street Drainage Upgrade	$325,000	Improvements to Waverly Street Drainage	Necessary Infrastructure Improvements	$0	2015
56	Guild Road Drainage Improvements	$375,000	Improvements to Guild Road Drainage	Necessary Infrastructure Improvements	$0	2015
58	Miscellaneous Drainage High Risk Structures - Phase 1	$400,000	Phase I of Drainage Improvements	Necessary Infrastructure Improvements	$0	2015
59	Salem End Road Bridge Repair - Design	$150,000	Assessment and design for bridge improvements	Necessary Infrastructure Improvements	$0	2015
27	Replacement of Vehicle #742	$283,737	18,000 GVW Cab and Chassis with Closed Camera Body	Vehicle has reached its useful life and is due for replacement	$0	2016
28	Replacement of Vehicle #720	$114,861	17,500 GVW 2WD Cab and Chassis w/ Sewer Rodder	Vehicle has reached its useful life and is due for replacement	$0	2016
29	Western Avenue Facility Modification	$4,000,000	Modification to Western Avenue Facility	Needed for spacing requirements	$0	2016
30	Gates St / Oak Crest / Salem End Rd Pump Station Project - Construction	$15,000,000	Eliminate Gates PS with new gravity down to Salem End Road PS. Upgrade Salem End Rd FM. Gravity Sewer on Temple St.	Necessary Infrastructure Improvements	$0	2016
31	Sewer Rehabilitation Project A	$1,500,000	Rehabilitation of deficient sewers found in SSES Phase 1.	Necessary Infrastructure Improvements	$0	2016
32	Sewer Main Replacement Various Locations 2016	$300,000	Funding for the DPW to respond to unanticipated sewer system failures.	Necessary Infrastructure Improvements	$0	2016
33	Sewer System Evaluation Study Phase 7	$500,000	SSES work in Sub-areas R, V, L, N, B, and BB.	Necessary Infrastructure Improvements	$0	2016
34	Little Farm Pump Station Upgrade and Siphon Replacement - Design	$300,000	Upgrade Little Farms PS (look to have capacity for Larnis PS (future elimination) and FM. Replace Purchase siphon.	Necessary Infrastructure Improvements	$0	2016
34	Replacement of Vehicle #63	$63,163	11,000 GVW 4WD Cab and Chassis w/Utililty Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2016
35	Replacement of Vehicle # 67	$63,163	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2016
35	Pleasant Street Pump Station Improvements - Design	$500,000	Upgrade Pleasant Street Pumping Station and Force Main. Relieve gravity sewer capacity issue upstream of PS.	Necessary Infrastructure Improvements	$0	2016
36	Replacement of Vehicle #617	$63,163	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2016
37	Replacement of Vehicle #622	$63,163	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2016
38	Replacement of Vehicle #65	$63,163	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2016
39	Replacement of Vehicle #66	$63,163	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2016
40	Replacement of Vehicle #68	$63,163	11,000 GVW 4WD Cab and Chassis w/Utility Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2016
41	Western Avenue Facility Modification	$4,000,000	Modification to Western Avenue Facility	Needed for spacing requirements	$0	2016
42	Edgell Water Pump Station - Construction	$4,860,000	Rehabilitate Existing 9.4 MGD Pump Station.	Necessary Infrastructure Improvements	$0	2016
43	Indian Head Water Tank Rehabilitation - Constructi	$2,035,000	Rehabilitate Existing 3.5 million gallon water storage tank.	Necessary Infrastructure Improvements	$0	2016
44	Temple Street Water Replacement - Construction	$1,614,375	Replace approx. 3,500 l.f. of existing 8-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2016
45	Water Main Replacements Various Locations 2016	$200,000	Funding for the DPW to respond to unanticipated water system failures.	Necessary Infrastructure Improvements	$0	2016
46	Pleasant Street Water	$320,000	Replace approx. 12,200 l.f. of existing 8-	Necessary Infrastructure	$0	2016

	Main Design		inch w.p. with new 8-inch w.p.	Improvements		
47	Maple Street Water Main Design	$106,000	Replace approx. 3,600 l.f. of existing 12/14-inch w.p. with new 16-inch w.p.	Necessary Infrastructure Improvements	$0	2016
57	# 515	$294,709	72,000 GVW Cab and Chassis with Refuse Packer and Plow	Vehicle has reached its useful life and is due for replacement	$0	2016
60	Western Avenue Facility Modification	$4,000,000	Modification to Western Avenue Facility	Needed for spacing requirements	$0	2016
61	Replacement of Vehicle #417	$74,584	15,000 GVW 4WD C&C w/Rack Body & Plow	Vehicle has reached its useful life and is due for replacement	$0	2016
62	Roadway Improvements 2016	$5,200,000	Supplemental funds for the surfacing, restoration and/or reconstruction of the Town's arterial and secondary roadway segments.	Necessary Infrastructure Improvements	$0	2016
63	Sidewalk/Accessibility Improvements 2016	$150,000	The replacement and addition of sidewalk ramps in conformance with the ADA. Also improvements in sidewalks and other accessibility issues.	Necessary Infrastructure Improvements	$0	2016
64	Replacement of Vehicle #40	$51,040	8,800 GVW 4WD Pick-Up Truck	Vehicle has reached its useful life and is due for replacement	$0	2016
65	Replacement of Vehicle #42	$51,040	8,800 GVW 4WD Pick-up Truck w/Plow	Vehicle has reached its useful life and is due for replacement	$0	2016
66	Saxonville Levee Pump Station Improvements - Construction	$750,000	Design to replace combustion engine funds with electric funds. Also includes upgrades controls to be integrated into the A-St Wastewater Management Facility.	Necessary Infrastructure Improvements	$0	2016
67	Tarralli Terrace Bridge Replacement Design & Permitting	$250,000	Assessment and design for bridge improvements	Necessary Infrastructure Improvements	$0	2016
68	Catch Basin Replacements	$400,000	Catch Basin Replacement (160 structures)	Necessary Infrastructure Improvements	$0	2016
69	Stormwater Master Plan - Phase V	$250,000	The study and assessment of the stormwater systems and associated surface water.	Necessary Infrastructure Improvements	$0	2016
70	Salem End Road Bridge Repair - Construction	$750,000	Bridge Improvements	Necessary Infrastructure Improvements	$0	2016
36	Replacement of Vehicle # 733	$264,034	35,000 GVW Cab and Chassis with Dump Body and Snow Plow	Vehicle has reached its useful life and is due for replacement	$0	2017
37	Replacement of Vehicle # 728	$72,798	15,000 GVW 4WD Cab and Chassis with Utility Body and Snow Plow	Vehicle has reached its useful life and is due for replacement	$0	2017
38	Woodland Pump Station Replacement - Construction	$3,600,000	Upgrade Woodland Pumping Station and Force Main.	Necessary Infrastructure Improvements	$0	2017
39	Little Farm Pump Station Upgrade and Siphon Replacement - Construction	$2,700,000	Upgrade Little Farms PS (look to have capacity for Larnis PS (future elimination) and FM. Replace Purchase siphon.	Necessary Infrastructure Improvements	$0	2017
40	Pleasant Street Pump Station Improvements - Construction	$4,000,000	Upgrade Pleasant Street Pumping Station and Force Main. Relieve gravity sewer capacity issue upstream of PS.	Necessary Infrastructure Improvements	$0	2017
41	Technology Park Sewer: 9/90 Interceptor, Farm Pond Interceptor, Mountain Road Redirection Upgrades - Design	$600,000	Upgrade to NY Ave PS and Baiting Brook Interceptor as a result of Genzyme expansion. Funding through a state MORE grant. PHASE 2.	Necessary Infrastructure Improvements	$0	2017
42	Sewer Rehabilitation Project B	$1,500,000	Rehabilitation of deficient sewers found in SSES Phase 2.	Necessary Infrastructure Improvements	$0	2017
43	Sewer Main Replacement Various Locations 2017	$300,000	Funding for the DPW to respond to unanticipated sewer system failures.	Necessary Infrastructure Improvements	$0	2017
44	Flanagan and Weld Pumping Station Upgrade / Replacement Project - Design	$250,000	Replacement/ Upgrade of two pumping stations.	Necessary Infrastructure Improvements	$0	2017
45	Sewer Rehabilitation Project D - Design	$250,000	Rehabilitation of deficient sewers found in SSES Phase 4.	Necessary Infrastructure Improvements	$0	2017
48	Replacement of	$264,034	35,000 GVW Cab and Chassis with Dump	Vehicle has reached its useful life	$0	2017

	Vehicle # 630		Body and Snow Plow	and is due for replacement		
49	Pleasant Street Water Main Construction	$4,786,875	Replace approx. 12,200 l.f. of existing 8-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2017
50	Maple Street Water Main Replacement Construction	$1,579,500	Replace approx. 3,600 l.f. of existing 12/14-inch w.p. with new 16-inch w.p.	Necessary Infrastructure Improvements	$0	2017
51	Water Main Replacements Various Locations 2017	$200,000	Funding for the DPW to respond to unanticipated water system failures.	Necessary Infrastructure Improvements	$0	2017
52	Stoney Brook Water Transmission Main - Design	$200,000	Construction of new 20" Water Transmission Main.	Necessary Infrastructure Improvements	$0	2017
53	Edgell Road Water Main Design	$293,000	Replace approx. 9,300 l.f. of existing 8-inch w.p. with new 12-inch w.p.	Necessary Infrastructure Improvements	$0	2017
54	Worcester Road / Technology Park Water - Design	$99,750	Replace approx. 2,800 l.f. of existing 12-inch w.p. with new 16-inch w.p.	Necessary Infrastructure Improvements	$0	2017
55	Merriam Hill Water Tank Rehabilitation - Design	$165,000	Rehabilitate Existing 3.5 million gallon water storage tank.	Necessary Infrastructure Improvements	$0	2017
56	Benson Avenue Water Main Replacement - Design	$29,000	Replace approx. 1,010 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2017
57	Knox Avenue Water Main Replacement - Design	$10,000	Replace approx. 300 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2017
58	Larabee Avenue Water Main Replacement - Design	$18,000	Replace approx. 640 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2017
59	Palmetto Avenue Water Main Replacement - Design	$20,000	Replace approx. 700 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2017
60	Seminole Avenue Water Main Replacement - Design	$20,000	Replace approx. 700 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2017
61	Wilde Avenue Water Main Replacement - Design	$15,000	Replace approx. 550 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2017
71	Replacement of Vehicle # 302	$144,801	17,500 GVW 4WD Cab and Chassis with Service Body	Vehicle has reached its useful life and is due for replacement	$0	2017
72	Replacement of Vehicle # 517	$306,497	72,000 GVW Cab and Chassis with Refuse Packer and Plow	Vehicle has reached its useful life and is due for replacement	$0	2017
73	Sidewalk/Accessibility Improvements - 2017	$150,000	The replacement and addition of sidewalk ramps in conformance with the ADA. Also improvements in sidewalks and other accessibility issues.	Necessary Infrastructure Improvements	$0	2017
74	Roadway Improvements - 2017	$5,200,000	Supplemental funds for the surfacing, restoration and/or reconstruction of the Town's arterial and secondary roadway segments.	Necessary Infrastructure Improvements	$0	2017
75	Tarralli Terrace Bridge Construction	$2,000,000	Bridge Improvements	Necessary Infrastructure Improvements	$0	2017
76	Clean, TV Inspection for High Sediment Lines	$150,000	Clean, TV inspection for high sediment lines (14,000 ft)	Necessary Infrastructure Improvements	$0	2017
77	Nobscot Fire Station Area Drainage Improvements	$500,000	Nobscot Fire Station Area Drainage Improvements	Necessary Infrastructure Improvements	$0	2017
78	Catch Basin Replacements	$380,000	Catch Basin Replacement (160 structures)	Necessary Infrastructure Improvements	$0	2017
46	Flanagan and Weld Pumping Station Upgrade / Replacement Project - Construction	$2,000,000	Replacement/ Upgrade of two pumping stations.	Necessary Infrastructure Improvements	$0	2018
47	Sewer Rehabilitation Project C	$1,500,000	Rehabilitation of deficient sewers found in SSES Phase 3.	Necessary Infrastructure Improvements	$0	2018
48	Sewer Main Replacement Various Locations 2018	$300,000	Funding for the DPW to respond to unanticipated sewer system failures.	Necessary Infrastructure Improvements	$0	2018
49	Garvey, Eastleigh,	$300,000	Upgrade Eastleigh, Blackberry, and	Necessary Infrastructure	$0	2018

	Blackberry and McQuinn Pump Station Improvements - Design		McQuinn Pumping stations and Force Mains.	Improvements		
50	Brownlea Pump Station Elimination Project - Design	$250,000	Brownlea Pump Station Elimination. Connect to new Speen Street gravity elimination sewer in former RR easement.	Necessary Infrastructure Improvements	$0	2018
62	Replacement of Vehicle #651	$158,798	Backhoe/Loader with Plow	Vehicle has reached its useful life and is due for replacement	$0	2018
63	Stoney Brook Water Transmission Main - Construction	$1,800,000	Construction of new 20" Water Transmission Main.	Necessary Infrastructure Improvements	$0	2018
64	Edgell Road Water Main Replacement Construction	$4,394,250	Replace approx. 9,300 l.f. of existing 8-inch w.p. with new 12-inch w.p.	Necessary Infrastructure Improvements	$0	2018
65	Worcester Road / Technology Park Water - Construction	$1,354,500	Replace approx. 2,800 l.f. of existing 12-inch w.p. with new 16-inch w.p.	Necessary Infrastructure Improvements	$0	2018
66	Merriam Hill Water Tank Rehabilitation - Construction	$2,035,000	Rehabilitate Existing 3.5 million gallon water storage tank.	Necessary Infrastructure Improvements	$0	2018
67	Benson Avenue Water Main Replacement - Construction	$420,700	Replace approx. 1,010 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
68	Knox Avenue Water Main Replacement - Construction	$124,875	Replace approx. 300 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
69	Larabee Avenue Water Main Replacement - Construction	$266,400	Replace approx. 640 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
70	Palmeto Avenue Water Main Replacement - Construction	$291,375	Replace approx. 700 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
71	Seminole Avenue Water Main Replacement - Construction	$291,375	Replace approx. 700 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
72	Wilde Avenue Water Main Replacement - Construction	$229,500	Replace approx. 550 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
73	Water Main Replacements - Various Locations 2018	$200,000	Funding for the DPW to respond to unanticipated water system failures.	Necessary Infrastructure Improvements	$0	2018
74	Norman Hill Road Water Main Replacement - Design	$32,000	Replace approx. 1,100 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
75	Barber Road Water Main Replacement - Design	$33,500	Replace approx. 1,200 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
76	Church Street Water Main Replacement - Design	$34,200	Replace approx. 1,200 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
77	Maynard Road Water Main Replacement - Design	$95,000	Replace approx. 3,400 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
78	Adams Road Water Main Replacement - Design	$25,000	Replace approx. 900 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
79	Replacement of Vehicle #510	$318,757	72,000 GVW C&C W/ Refuse Packer & Plow	Vehicle has reached its useful life and is due for replacement	$0	2018
79	Cochituate Road Water Main Replacement - Design	$120,000	Replace approx. 4,100 l.f. of existing 6-inch w.p. with new 12-inch w.p.	Necessary Infrastructure Improvements	$0	2018
80	Taylor Street Water Main Replacement - Design	$18,500	Replace approx. 650 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
80	Replacement of Vehicle #43	$55,204	8,800 GVW 4WD Pick-up Truck w/Plow	Vehicle has reached its useful life and is due for replacement	$0	2018

81	Replacement of Vehicle #413	$81,117	15,000 GVW 4Wheel Drive Cab and Chassis With Dump	Vehicle has reached its useful life and is due for replacement	$0	2018
81	South Street Water Main Replacement - Design	$34,000	Replace approx. 1,200 l.f. of existing 6-inch w.p. with new 8-inch w.p.	Necessary Infrastructure Improvements	$0	2018
82	Replacement of Vehicle #45	$55,204	8,800 GVW 4WD Pick-up Truck w/Plow	Vehicle has reached its useful life and is due for replacement	$0	2018
83	Roadway Improvements - 2018	$5,200,000	Supplemental funds for the surfacing, restoration and/or reconstruction of the Town's arterial and secondary roadway segments.	Necessary Infrastructure Improvements	$0	2018
84	Replacement # 470	$183,958	Sidewalk Tractor - Tracked	Vehicle has reached its useful life and is due for replacement	$0	2018
85	Sidewalk/Accessibility Improvements - 2018	$150,000	The replacement and addition of sidewalk ramps in conformance with the ADA. Also improvements in sidewalks and other accessibility issues.	Necessary Infrastructure Improvements	$0	2018
86	Replacement of Vehicle #412	$81,117	15,000 GVW 4Wheel Drive Cab and Chassis With Dump	Vehicle has reached its useful life and is due for replacement	$0	2018
87	Franklin Street Outfall Improvements	$25,000	Rehabilitate outfall at 180 Franklin Street	Necessary Infrastructure Improvements	$0	2018
88	Catch Basin Replacements	$380,000	Catch Basin Replacement (160 structures)	Necessary Infrastructure Improvements	$0	2018

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Request Title	Department	Priority
Replacement 2004 72,000 GVW Cab & Chassis w/31 CY Refuse Packer & Snow Plow #51 #511	Public Works - Sanitation	1
Category	Division	Priority
Equipment (Rolling)	Public Works	1

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This equipment is used in the collection of curbside refuse each week from 15,500 homes, and is used in the spring and fall for the collection of yard waste. It is also used on weekends for the compaction of refuse at the Transfer Station. The refuse collection vehicles also play an important role in the removal of snow from the major arteries in the Town offsetting the need to acquire a contracted vehicle of that equivalent size that has a contract rate of $130.00 per hour. These large trucks and their 11' snow plows are able to very efficiently clear heavy snow from the Town's many multi lane wide roads such as Concord Street (RT126), Water Street, Waverly Street (RT135), Old Connecticut Path, Cochituate Road (RT30), Western Avenue, Union Avenue, Elm Street, and others. The Department would typically have to expend as much as $15,000 each winter (average 12 storm events @ 10 hours each) from the snow budget for a snow plow vehicle of an equivalent capability. The new unit will include an automated refuse collection system. In recent years, these retired chassis have been overhauled by the Department's technicians and refitted to provide a seasonal and less demanding use with different body applications. Over the past seven years, these re-used chassis have been converted into: four extended range snowfighters, one Tilt Frame Hoist Truck for Roll-Off Containers, one Ten wheel Dump Truck for hauling bulk materials, and one Prentiss Loader truck for heavy tree work. These re-used Cabs and Chassis have an average extended lifecycle of an additional 8-10 years in their seasonal functions and are a tremendous resource in that regard. This method of re-use has saved the Town hundreds of thousand dollars over the acquisition of new equipment and the application of these extended range snowfighters has increased our storm coverage area by a factor of three. Upon arrival of a new unit, this Cab and Chassis would be taken out of service, rebuilt in house by the fleet maintenance staff, and then re-used as a replacement for the earliest snowfighter conversion unit which is a 1993 Autocar that will be 20 years old at that the time the replacement actually occurs. This unit presently (October 2011) has 76,000 miles of use and it is projected to have a mileage near 84,000 by the time it could be replaced if approved in the FY13 capital budget. This unit was deferred from the FY2012 Capital Budget.

Request Justification

The refuse packer that is proposed for replacement in the FY13 budget has extensive corrosion and wear throughout the body that will require significant repairs to be accomplished in order to extend its life another year. The chassis currently (October 2011) has 10,300 hours of operation and it is projected to have over 11,700 hours at its time of replacement in early 2013 (this it he equivalent of approximately 410,000 miles). The transmission, suspension, and axle components of these refuse trucks receive a tremendous amount of wear and fatigue from their constant stop start action wherein they typically move in short distance house to house intervals. Their use during winter months as a heavy duty snow plow also contributes to the aggressive aging of the truck. The suspension components are fatigued which will result in the replacement of springs and bearings. It takes as much as 9 months (estimated delivery: March 2013) from the appropriation date for a chassis to be procured, fabricated, and drop shipped to a factory in the Midwest to have the refuse body installed, and then shipped here for further outfitting. The replacement of the packer body floor and the supporting steel has an estimated cost of $4,000 - $5,000 including labor and materials. The work to stop the expansion of the corrosion would be another $3,000 - $4,000. The refuse collection vehicles are mostly parked out of doors and they are subject to the detrimental effects of the environment. The Department of Public Works equipment typically works under the most corrosive of operating environments and the Department is therefore required to expend a considerable amount of effort and resources to minimize the deteriorating effect that the corrosion has in the early depreciation of its equipment. For the ten years prior FY2011, the Town had funded the replacement of one refuse collection vehicle each year which equated to an eight (8) year life cycle for each truck. Due to budget constraints, that has now been modified to a nine (9) year life cycle. It is anticipated that the secondary use of the cab and chassis will provide a minimum total operating life of 18 to 20 years.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$259,500 Year 1
$0 Year 2
$0 Year 3
$0 Year 4

Proposed Funding Sources	Amount
General Fund	$259,500
	$0
	$0
	$0
	$259,500

AUTHORIZED DISTRIBUTOR

Ballard Mack Sales & Service, Inc.

442 Southwest Cutoff
Worcester, MA 01604

Phone: 508-753-1403
Fax: 508-752-0518
Website: www.ballardmack.com

September 27, 2011

Town of Framingham
100 Western Avenue
Framingham, Ma 01702

Attn: Fred Davies

Re: Automated Side Loader Refuse Packer Quote

One 2012 Mack Packer Truck LEU Model with a 33 cubic yard automated packer body which includes:

11 Foot Plow Frame Assembly
Back Up Camera System
Rear Fenders
Mobile Radio
Emergency/Safety Warning Lights

Price: $259,500.00

Gregory Day

Gregory Day
Sales Representative

Print

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Request Title	Department	Priority
Acquisition 40,000 GVW Cab&Chassis w/DumpBody, plow, sander&underbody scraper #44 #442	Public Works - Highway	2
Category	Division	Priority
Equipment (Rolling)	Public Works	2

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This heavy truck is used throughout the year in the maintenance and construction of the 250 miles of public roads in Framingham. The work includes the maintenance of roadway appurtenances such as sidewalks, curbing, catchbasins, stormdrains, and trees. The truck hauls materials and trailers equipment to and from the worksites. The typical material hauled by this truck would include asphalt, gravel, sand, cement block, and other construction related materials. The vehicle also tows equipment to and from work sites such as small excavators, backhoes, compressors, and other medium duty equipment. In the winter season, this truck serves as one of the primary zone sander trucks assigned to critical areas of the Town during snow events. The frequent breakdown of this vehicle can delay response times and thereby has a detrimental effect on the ability for motorists to safely travel during a snow event. Framingham serves as a transportation hub for the Metrowest area and is also the center for one of the largest retail and manufacturing bases in New England. This presents a significantly more difficult challenge for the Department in the management of its winter operations due the tremendous volume of vehicles that either have Framingham as there destination, or are passing through Framingham in order to get to a major highway. This burden is significantly greater than that of other communities in the region and the Department is required to be prepared for the appropriate response at all times. The existing truck will be replaced with a similarly configured unit. The replacement vehicle will be a 40,000 GVW dump body truck equipped with a snowplow, underbody scraper, two way radio, material spreader, and hydraulic controls. The production of a heavy truck and the assembly of its component parts require approximately a year (and winter) from the date of the bid award. As such, the truck will have to function for another year even if it is approved by Town Meeting in the spring. This unit was deferred from last year's Capital Budget.

Request Justification

The existing truck will be 17 years old at the time of replacement and have over 9,200 hours (this is the equivalent of 322,000 miles). It is in very poor condition after having worked as a front line unit in construction and snow fighting service. It is also extremely difficult to acquire parts for this vehicle as the manufacturer closed its heavy truck business and the production of component parts at about the same time the truck was acquired. The resultant long delay in locating parts together with the general unreliability of this older vehicle, creates frequent inefficiencies and chaos in the production of planned work especially in winter conditions. This is one of the heavy trucks that has a critical primary sander route and its functional reliability is necessary to keep routes open and safe to travel upon. The Department still operates two of these Ford L8000 cab and chassis' and they are all in an advanced state of deterioration after 16 years of heavy use in difficult environmental conditions.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$225,697 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$225,697

Proposed Funding Sources	Amount
General Fund	$225,697
	$0
	$0
	$0
	$225,697

AUTHORIZED DISTRIBUTOR

Ballard Mack Sales & Service, Inc.

442 Southwest Cutoff
Worcester, MA 01604

Phone: 508-753-1403
Fax: 508-752-0518
Website: www.ballardmack.com

October 8, 2011

Town of Framingham
100 Western Avenue
Framingham, Ma 01702

Attn: Fred Davies

Re: Six Wheel Dump Truck Quote

One 2012 Mack 40,000 GVW six wheel dump with front plow and sander which includes:

11 Foot Plow Assembly
Load Cover
Center scraper
6-8 CY sander w/ calcium system
Town Radio
Emergency/safety Warning Lights

Price: $225,697

Gregory Day

Gregory Day
Sales Representative

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Replacement 4WD Cab & Chassis with Platform Body, Lift Gate and Plow # 40' #409	Public Works - Highway	3
Category	Division	Priority
Equipment (Rolling)	Public Works	3

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
This request is for the acquisition of a new 15,000 GVW 4WD Cab and Chassis with platform, lift gate, and plow to replace the existing unit. This truck is used in the maintenance of the Town's Stormwater system and is used to facilitate the reconstruction of its physical assets by transporting materials to the job site. This includes water, concrete, block, frames, covers and other heavy materials typical in the replacement of manholes and pipes.

Request Justification
The existing truck is 16 years old and it has 160,000 miles on the odometer. It will be 17 years old and will have an estimated 170,000 miles on the odometer at the time of its actual replacement in 2012, assuming it is approved in the FY2013 budget. This truck is beyond any reasonable expectation for its life function and requires continuous maintenance to use for daily operation. Components of the truck and the body are extremely fatigued and it is not worth investing in their replacement. The truck performs an important function in the Department and its heavy use typifies that fact.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$66,305 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$66,305

Proposed Funding Sources	Amount
General Fund	$66,305
	$0
	$0
	$0
	$66,305

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR
401 Elm Street
Marlborough, MA 01752

September 28, 2011
Town of Framingham
Public Works
Attn : Fred Davies

Please find below a quote for a Ford F550 Rack per the Plymouth County Commissioners Cooperative Contract# 09-10-11. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract Items must be procured under M.G.L. c. 30B.

2011 Ford F550 Chassis per contract spec. #09-20
Four wheel Drive
6.7 liter Power Stroke diesel engine
Engine block heater
Automatic Transmission
Snow Plow prep package
Transmission PTO provision
All terrain tires
165" wheelbase - 84" CA
12' platform / stake body (body is painted black)
Steel front bulkhead
1300# rear lifgate
Reinforced pintle/ball hitch
6 pin round trailer plug
9' Diamond snow plow
9' poly snow foil
9' cutting edge
Mobile Radio
Portable Radio
Emergency/Safety Warning Lights Installed

Total Price **$66,305.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Replacement of 15,000 GVW 4WD Cab and Chassis with Dump Body and Plow # 41	Public Works - Highway	4
Category	Division	Priority
Equipment (Rolling)	Public Works	4

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This request is for the replacement of a model year 1995 4WD Cab and Chassis with a 2.5 CY Dump Body and snow plow. This truck is assigned to the Highway Department and is used daily for the transport of brush and tree chips from the work involved in the removal and pruning of the 10,000 plus inventory of Public Shade Trees that exist within the Town's 250 mile right of way. The truck has an enclosed rear body that receives the brush chipper feed and it is used to transport and dispose of that waste at approved sites. The truck is also equipped with a snow plow and is assigned a designated area for the removal of snow during winter operations.

Request Justification

The existing unit is 17 years old and has a current mileage of 101,000 miles, much of it acquired during snow plowing activity which is particularly abusive to the powertrain and suspension components of a vehicle, especially after this many years of service. It is estimated that the truck will have in excess of 110,000 miles and will be 18 years old at the time of its actual replacement assuming it's was approved in the FY2013 budget. The body and Frame has extensive corrosion that had been repaired, but after 17 years of operation in harsh environments, it is not practical to make any further significant investment in its maintenance and operation. The replacement truck will be equipped with the next generation of powertrain and emission components that are EPA 2010 Compliant. The diesel engine is equipped with a Selective Catalytic Reduction (SCR) emissions after treatment system, that effectively reduces harmful emissions by 90% and improves fuel economy by almost 10% (9.7%) over previous year models.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$66,672 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$66,672

Proposed Funding Sources	Amount
General Fund	$66,672
	$0
	$0
	$0
	$66,672

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR
401 Elm Street
Marlborough, MA 01752

September 28, 2011

Town of Framingham
Public Works

Attn : Fred Davies

Please find below a quote for a Ford F550 Dump per the Plymouth County Commissioners Cooperative Contract# 09-10-11. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract Items must be procured under M.G.L. c. 30B.

2011 Ford F550 Chassis per contract spec. #09-20
Four wheel Drive
6.7 liter Power Stroke diesel engine
Engine block heater
Automatic Transmission
Snow Plow prep package
141" wheel base - 60" CA
Transmission PTO provision
All terrain tires
3 to 4 cu. Yd. dump body w/ central hydrauilc system
Reinforced pintle/ball hitch
6 pin round trailer plug
9' Diamond snow plow
9' poly snow foil
9' cutting edge
Mobile Radio
Portable Radio
Emergency/Safety Warning Lights Installed

Total Price **$66,672.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition of a 4WD HD Cab & Chassis with Pickup Body and Snow Plow # 404	Public Works - Highway	5
Category	Division	Priority
Equipment (Rolling)	Public Works	5

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This unit is assigned to the Highway Division for; the transportation and/or towing of equipment, tools, and personnel to work sites within the 250 mile roadway network, the provision of transportation for the supervision of in house and contractual work, and the plowing of snow throughout the Town as assigned. The types of equipment transported include emergency lighting units, air compressors, diesel generators, cement mixers, heavy duty pumps, equipment trailers, and other construction and emergency types of specialized equipment. The types of equipment carried to work sites include plate compactors, chain saws, fuel containers, hand tools, concrete tools, power saws, small generators, etc. This unit will be replaced with a Heavy Duty 4WD Cab, Chassis, Pickup Body, and equipped with a snow plow, two way radio, emergency and safety lighting, and AC Power inverter.

Request Justification

This nine year old truck will require extensive work in order to repair the effects of corrosion on the body and frame from having worked extensively in adverse weather conditions. If approved in the FY2013 Capital Budget, this vehicle will have approximately 175,000 miles at its time of replacement. The truck is becoming prone to breakdowns and is not a reliable vehicle for its intended assignment. This unit, as originally purchased had a low GVW rating and as such was not able to be equipped with a snow plow. It is proposed to be replaced with a heavier duty 4WD Cab, Chassis with Pickup Body, and will be equipped with a snow plow.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$45,374 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$45,374

Proposed Funding Sources	Amount
General Fund	$45,374
	$0
	$0
	$0
	$45,374

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

MHQ
VEHICLES & EQUIPMENT & GEAR
401 Elm Street
Marlborough, MA 01752

September 28, 2011

Town of Framingham
Public Works

Attn : Fred Davies

Please find below a quote for a Ford F250 per the Plymouth County Commissioners Cooperative Contract# 09-10-11. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract Items must be procured under M.G.L. c. 30B.

2011 Ford F250 pickup per contract spec #09-16
Four wheel drive
Extended cab - 6 3/4' bed
6.2 liter V/8 gasoline engine
6 speed automatic transmission
Snow Plow prep package
Class III receiver hitch
All terrain tires
Electronic shift on the fly
Rhino Liner
Cross body tool box - Weatherguard #126-5-02 (black)
8' Diamond snow plow
8' Diamond poly snow foil
8' Diamond cutting edge
Mobile Radio
Portable Radio
Emergency/Safety Warning Lights Installed

Total price **$ 45,374.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition of a 3.5 CY Front End Loader and Plow # 521	Public Works - Sanitation	6
Category	Division	Priority
Equipment (Rolling)	Public Works	6

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This piece of equipment is used daily at the Recycling Center and Yard waste Drop-off. This loader is utilized for more daily hours of service than any other loader within the Department of Public Works. This unit's primary function surrounds the daily maintenance and operations of the Leaf and Yard Waste Facility. The vehicle is employed when loading between 5,000 and 8,000 yards of leaves that are removed from the facility annually. In addition, this unit is also utilized in the composting of roughly 1,000 yards of material annually. The composting process requires frequent turning of the piles to create a quality product that the Town has been selling for the past three years. During normal hours of operations this unit is used to keep the facility clear and functioning as the resident dispose of their materials. In addition to routine maintenance of both the Recycling Center and the Yard Waste Drop-off, this unit loads 100 to 200 yards of metal weekly for removal to the salvage company. It is utilized to load other hard to manage commodities for final disposition such as rigid plastics, white goods, ect. This equipment is also critical during all aspects of a snow and ice operations to both load salt and sand, plow snow or to load snow from the roadways and municipal lots.

Request Justification

The existing two cubic yard (cy) front end loader is 25 years old and is in a deteriorated state as it has been housed out in the elements for its entire life. It currently has 10,630 hours which is the equivalent of over 370,000 miles. This unit undersized and suffers from regular mechanical breakdowns. Routinely the division must borrow a loader from other division's to accomplish our daily goals and objectives; this then hinders those divisions operations.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$205,527 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$205,527

Proposed Funding Sources	Amount
General Fund	$205,527
	$0
	$0
	$0
	$205,527

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
0

Printed 1/20/2012

SCHMIDT EQUIPMENT INC.

JOHN DEERE

Main Office
(Rt. 20) 80 Southbridge Rd.
PO Box 578

North Oxford, MA 01537
Phone: (508) 987-8786

Toll Free: (800) 922-8295

Fax: (508) 987-3578

Branch Offices

- Rtes 6 & 136
  N Swansea, MA
  02777
- 10 Republic Rd.
  N Billerica, MA
  01862
- 1620 Page Blvd. (Rt 20)
  Springfield, MA
  01104
- 88 Camelot Dr. #42
  Plymouth, MA
  02360

September 29, 2011

Framingham DPW Budget figure for a John Deere 624 Loader
Attention: Mr. Fred Davies,

2012 Deere 624K Four Wheel Drive Z-bar Loader

John Deere interim tier 4 certified engine
Air heater cold start aid, 110 volt coolant heater,
Three spool loader hydraulic valve w/auxiliary circuit
FNR control on steering column, single lever control of loader/bucket
Separate lever for auxiliary hydraulic functions
Front axle with hydraulic differential locks, can activate on-the-go
20.5R X 25, L3 tread, radial tires on 3-piece wheels
Axial piston pump, closed center, pressure compensating system, 59 GPM
JRB hydraulic coupler w/3.5 JRB CY bucket w/auxiliary
Automatic boom control for height, return to carry
Ride control, rear bottom guard, and transmission side guards
Transmission bottom guards
Two 950 CCA batteries with master electrical disconnect switch
100 amp 24 volt alternator, 10 amp 24/12 volt converter
Cab w/heater, pressurizer, air conditioning, and defroster
Fabric covered air suspension seat
AM/FM radio, 12 volt in-cab outlet
Windshield wipers: front and rear, intermittent w/washers
Deluxe monitor and alarm w/on-board diagnostics
Electronic monitoring system w/visual and audible alarm
Lighted license plate bracket and SMV emblem
Front and rear work/travel lights
Heavy duty LED turn signal and marker lights
Extended rear cast bumper/counterweight with hitch and locking pin
Standard front fenders and rear platform
JRB snowplow attachment bracket and labor to install town's existing plow

12 months full machine Warranty, additional 12 months or
2500 hours (whichever occurs first) extended warranty covering full machine,
plus an additional 12 months or 4000 machine hours (whichever occurs first)
extended warranty covering powertrain and hydraulic components
warranty covering powertrain and hydraulic components
Manuals: Operator, parts, and repair
Weight; Approximately 36,800 lbs.
Town mobile radio
11' Plow Assembly

Budget figure: $ 205,527.00

Pricing based on current pricing and Municipal discounts which are subject to change, and adjusted for estimated price increases between now and July 2012.

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Roadway Improvements 2013	Public Works - Highway	7
Category	Division	Priority
Infrastructure	Public Works	7

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
This Capital Program request is intended to provide funding for the rehabilitation and or reconstruction of the Town's arterial and secondary road segments. The roadway network is a vital element of the Town's overall infrastructure and represents a significant investment requiring considerable maintenance. The roadway network has been evaluated and critical infrastructure improvements and repairs have been identified. The components of this program include roadway surface rehabilitation, design and installation of storm drain improvements, repairs to existing storm drain infrastructure, design and reconstruction of roadway, sidewalks, curbing and traffic controls as well as bridge repairs.

Request Justification
These road segments will continue to deteriorate and further deferral of repairs will result in more of these road segments reaching a point of total reconstruction, consequentially, at a higher cost and greater inconvenience.

Basis for Estimated Cost
Other
Estimated Costs
$5,200,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$5,200,000

Proposed Funding Sources	Amount
General Fund	$5,200,000
	$0
	$0
	$0
	$5,200,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
This will not have an immediate effect on the operating budget. Although it is anticipated that the Town will incur additional operational costs if the road segments are not properly maintained.

Printed 1/20/2012

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Sidewalk/Accessibility Improvements 2013	Public Works - Highway	8
Category	Division	Priority
Infrastructure	Public Works	8

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
This program was first initiated to address the replacement and addition of sidewalk ramps in conformance with the American Disability Act. During the implementation of this program, issues relative to continuity and compliance of sidewalks adjacent to these improvements prompted expansion of the program to include sidewalks and other accessibility issues.

Request Justification
The program is needed to ensure the Town's conformance to ADA and the needs of disabled citizens to safely utilize the network of sidewalks. The department has prioritized the work of this program to include the areas with the greatest volume of pedestrian traffic.

Basis for Estimated Cost
Previous Purchase
Estimated Costs
$150,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$150,000

Proposed Funding Sources	Amount
General Fund	$150,000
	$0
	$0
	$0
	$150,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition 40,000 GVW Cab & Chassis w/Dump Body, snowplow, sander & underbody scraper #43 #438	Public Works - Highway	9
Category	Division	Priority
Equipment (Rolling)	Public Works	9

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This heavy truck is used throughout the year in the maintenance and construction of the 250 miles of public roads in Framingham. The work includes the maintenance of roadway appurtenances such as sidewalks, curbing, catchbasins, stormdrains, and trees. The truck hauls materials and trailers equipment to and from the worksites. The typical material hauled by this truck would include asphalt, gravel, sand, cement block, and other construction related materials. The vehicle also tows equipment to and from work sites such as small excavators, backhoes, compressors, and other medium duty equipment. In the winter season, this truck serves as one of the primary zone sander trucks assigned to critical areas of the Town during snow events. The frequent breakdown of this vehicle can delay response times and thereby has a detrimental effect on the ability for motorists to safely travel during a snow event. Framingham serves as a transportation hub for the Metrowest area and is also the center for one of the largest retail and manufacturing bases in New England. This presents a significantly more difficult challenge for the Department in the management of its winter operations due the tremendous volume of vehicles that either have Framingham as their destination, or are passing through Framingham in order to get to a major highway. This burden is significantly greater than that of other communities in the region and the Department is required to be prepared for the appropriate response at all times. The existing truck will be replaced with a similarly configured unit. The replacement vehicle will be a 40,000 GVW dump body truck equipped with a snowplow, underbody scraper, two way radio, material spreader, and hydraulic controls. The production of a heavy truck and the assembly of its component parts require approximately a year (and winter) from the date of the bid award. As such, the truck will have to function for another year even if it is approved by Town Meeting in the spring.

Request Justification

The existing truck will be 19 years old and have over 9,000 hours at the time of replacement (this is the equivalent of 315,000 miles). It is in very poor condition after having worked as a front line unit in construction and snow fighting service. It is also extremely difficult to acquire parts for this vehicle as the manufacturer closed its heavy truck business and the production of component parts at about the same time the truck was acquired. The resultant long delay in locating parts together with the general unreliability of this older vehicle, creates frequent inefficiencies and chaos in the production of planned work especially in winter conditions. This is one of the heavy trucks that has a critical primary sander route and its functional reliability is necessary to keep routes open and safe to travel upon. The Department still operates two of these Ford L8000 cab and chassis and they are all in an advanced state of deterioration after 18 years of heavy use in difficult environmental conditions.

Basis for Estimated Cost
Vendor Quote

Estimated Costs
$225,697 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$225,697

Proposed Funding Sources	Amount
General Fund	$225,697
	$0
	$0
	$0
	$225,697

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

AUTHORIZED
DISTRIBUTOR

Ballard Mack Sales & Service, Inc.

442 Southwest Cutoff
Worcester, MA 01604

Phone: 508-753-1403
Fax: 508-752-0518
Website: www.ballardmack.com

October 8, 2011

Town of Framingham
100 Western Avenue
Framingham, Ma 01702

Attn: Fred Davies

Re: Six Wheel Dump Truck Quote

One 2012 Mack 40,000 GVW six wheel dump with front plow and sander which includes:

11 Foot Plow Assembly
Load Cover
Center scraper
6-8 CY sander w/ calcium system
Town Radio
Emergency/safety Warning Lights

Price: $225,697

Gregory Day

Gregory Day
Sales Representative

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition of a 68,000 GVW Cab & Chassis with Rolloff Frame #519	Public Works - Sanitation	10
Category	Division	Priority
Equipment (Rolling)	Public Works	10

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This piece of equipment is a critical part of our recycling program and daily operations at the Recycling Center. This vehicle's primary use is transporting 40 yard roll off containers with commodities (recyclable materials) collected at the Recycling Center to be sold or further processed at various vendors located throughout our region. In a one week period, this unit can make over 40 trips to different locations with a multitude of recyclables. Further, this vehicle is utilized in the hauling of hard to dispose of, or materials that are banned from inclusion in our regular household trash. For example, this often includes bulky items collected in special curbside pickups and at the Recycling center such as mattresses, carpets, white goods, etc. Furthermore, this unit is an integral part of the Town's leaf and yard waste program; allowing for significant cost saving by self hauling our leaves to disposal facilities. Utilization of this unit cuts our leaf disposal cost from $10 per ton when hauled by a private contractor to $ .50 per ton when hauled with this unit. The vehicle typically is utilized to haul between 5,000 to 8,000 yards of leaves annually. In addition, this unit also delivers compost to Framingham schools during any given year. This vehicle is used in support of many different town departments by allowing us to place dumpster containers at various projects throughout town. This again allows significant saving over private dumpster disposal. This unit is also intended to be a critical piece of equipment during all aspects of a snow and ice control. In addition to being utilized on the main hub routes, this vehicle is also used to haul snow during snow removal operations from downtown, roadside and municipal parking lots.

Request Justification

The existing vehicle is 18 years old and, if approved in the FY2013 capital budget, it will have over 90,000 road miles and over 9,000 hours (the equivalent of over 320,000 miles). Due to the age and condition of this unit, it is not used as a primary piece of equipment during snow and ice operations. Due to its required nature in daily operations it is currently only utilized in extreme cases as a backup during snow and ice operations.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$225,160 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$225,160

Proposed Funding Sources	Amount
General Fund	$225,160
	$0
	$0
	$0
	$225,160

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

AUTHORIZED
DISTRIBUTOR

Ballard Mack Sales & Service, Inc.

442 Southwest Cutoff
Worcester, MA 01604

Phone: 508-753-1403
Fax: 508-752-0518
Website: www.ballardmack.com

September 27, 2011

Town of Framingham
100 Western Avenue
Framingham, Ma 01702

Attn: Fred Davies

Re: Tandem Axle Container Roll Off Truck Quote

One 2012 Mack 72,000 GVW tandem axle cab & chassis with Container roll off unit. This includes an 11' plow assembly.

11 Foot Plow Assembly
Load Cover
Town Radio
Emergency/safety Warning Lights

Price: $225,160.00

Gregory Day

Gregory Day
Sales Representative

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Replacement of a Sidewalk Tractor with Snow Plow - DPW Unit #464	Public Works - Highway	11
Category	Division	Priority
Equipment (Rolling)	Public Works	11

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This request is for the replacement of a 1993 Bombardier Sidewalk Tractor that is used to plow the snow from the sidewalks and school paths that are located throughout the Town.

Request Justification

The existing unit is 19 years old and is in poor condition. Despite an aggressive maintenance effort over its life, the machine is now unreliable and is frequently the cause of significant delays in completing this difficult storm related task. These machines work in a debilitating environment and as a consequence, are frequently damaged and are very expensive to maintain. It is common to spend from $8,000-$12,000 annually in labor and parts to keep these older machines operational. The Department deploys up to six tractors both during and after a snowstorm, each responsible for a route of approximately 15 miles each, which is typically covered multiple times at a rate of less than 5 miles per hour. The work is arduous and excruciatingly slow and often the tractor must travel ten miles just to get to an assigned area. This tractor suffers from extensive corrosion and is one of the Department's many vehicles that remain parked outdoors all year subject to the variances of the environment. The Department is responsible for clearing snow from more than 85 miles of sidewalks both during and immediately after a winter event. Due to the large geographic nature of the Town, the Department is responsible for the removal of snow from an extraordinary amount of sidewalks each storm and the efficiency of that effort is directly related to the quality of the machinery that may be applied for that purpose. The Department is required to have all of the designated sidewalks cleared in order for school to open. The machine is used to plow sidewalks in the commercial areas as well, and is essential in the manipulation of the snow at the curb line during snow removal operations. The winter storm work requires six well functioning sidewalk tractors and two older spare units in order to complete the routes safely and within a reasonable time period. The existing sidewalk tractor is a tracked model that is not able to operate the auxiliary attachments that are typical for this type of machine and that would broaden its functionality in a snow storm, such as a snow blower and material spreader. This older model unit is proposed to be replaced with an updated tracked unit. It will be equipped with a V- plow and an angling plow, as well as, a snow blower, two way radio, warning lights, and material spreader. This newer designed tracked machine, and its auxiliary equipment, will allow the Department to complete maintenance work more expeditiously and more effectively in the Town's 250 mile right of way.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$151,200 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$151,200

Proposed Funding Sources	Amount
General Fund	$151,200
	$0
	$0
	$0
	$151,200

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

Chadwick-BaRoss

15 Katrina Rd.
Chelmsford, MA. 01824

September 28, 2011

Town of Framingham
Dept. Public Works
100 Western Ave.
Framingham, MA. 01702
E-mail:fjd@framinghamma.gov

Attn: Fred Davies
Subject: SW-4S Sidewalk Plow

Fred,

Pricing on a new SW-4S sidewalk plow as per your request.

One (1) New SW4S Sidewalk Plow Price: $151,200.00

Attachments

Straight Power Angle Blade
V-Plow
Snowblower
Sander

Pricing does not include any applicable taxes. Please do not hesitate to call with any questions you might have.

Thank You.

Dan Rott
V.P./General Manager
Cell: 978/479-5192

Print

Capital Budget Request FY 2013

Back

Request Title #44	Department	Priority
Acquisition of a heavy duty 4WD pickup truck and snow plow	Public Works - Highway	12
Category	Division	Priority
Equipment (Rolling)	Public Works	12

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This request is for the replacement of a 4WD Cab and Chassis with pick up body and snow plow, two way radio, and warning lights. The truck is used in the maintenance management of the 250 miles of roadway right of way and is assigned to the supervisory function of that work. The vehicle is used in the supervision and inspection of roadway and sidewalk maintenance work by Department crews as well as private contractors. This vehicle, as are all Public Works supervisory vehicles, is outfitted with critical first response equipment in order to enable a rapid response to hazardous waste spills, traffic control device failures, and storm related emergencies. The equipment includes portable radios, emergency lighting, hazardous spill retention booms, barricades and cones, asset maps, mobile data terminals, and other equipment as may be deemed appropriate. The vehicle is used to tow multiple types of trailered equipment to and from work sites including: generators, cement mixers, variable message boards, compressors, light towers, and small equipment trailers. In addition, the vehicle will be equipped with a snow plow and assigned areas to both manage the operation and plow streets.

Request Justification

The existing truck will have approximately 135,000 miles at the time of its replacement assuming it is approved in the FY2013 Capital Budget. The vehicle has been used extensively in plowing assignments and this has resulted in fatigue to the frame and suspension components. The corrosion on the body had been repaired in recent years, but its high mileage and overall condition is such that a further investment in its maintenance and operation is likely to exceed its current value. The replacement vehicle, except when operating in four wheel drive, is more fuel efficient than the current vehicle and will result in a slight reduction in operating costs.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$45,374 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$45,374

Proposed Funding Sources	Amount
General Fund	$45,374
	$0
	$0
	$0
	$45,374

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR
401 Elm Street
Marlborough, MA 01752

September 28, 2011

Town of Framingham
Public Works

Attn : Fred Davies

Please find below a quote for a Ford F250 per the Plymouth County Commissioners Cooperative Contract# 09-10-11. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract Items must be procured under M.G.L. c. 30B.

2011 Ford F250 pickup per contract spec #09-16
Four wheel drive
Extended cab - 6 3/4' bed
6.2 liter V/8 gasoline engine
6 speed automatic transmission
Snow Plow prep package
Class III receiver hitch
All terrain tires
Electronic shift on the fly
Rhino Liner
Cross body tool box - Weatherguard #126-5-02 (black)
8' Diamond snow plow
8' Diamond poly snow foil
8' Diamond cutting edge
Mobile Radio
Portable Radio
Emergency/Safety Warning Lights Installed

Total price **$ 45,374.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Saxonville Levee Pump Station Improvements - Design	Public Works - Engineering	13
Category	Division	Priority
Infrastructure	Public Works	13

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
This project will provide funds necessary to complete a detailed evaluation of the Saxonville Levee Pump Station and design recommended improvements. This drainage pumping station is critical to the protection of the buildings within the Saxonville levee and upgrades are needed to prevent a failure of the levee system. This project is as a result of recommendations made as part of the Levee reaccreditation report as required by the Army Corps of Engineers. Preliminary improvements expected to be part of the project include the replacement of the two diesel operated 7,000 gpm pumps with new electric pumps, new SCADA and telemetry systems, and new backup power capability, limited architectural improvements, roof replacement, and limited HVAC replacements. The project area will be limited to the existing building footprint and site, although an initial research of property rights of the pump station is included.

Request Justification
The Saxonville Levee pump station is an integral unit within the levee system. It is largely original equipment and is approximately 30 years old. The equipment is becoming increasingly difficult to maintain and the systems are unreliable. The building also needs customary replacements to prevent going into significant disrepair.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$152,500 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$152,500

Proposed Funding Sources	Amount
General Fund	$152,500
	$0
	$0
	$0
	$152,500

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

WRIGHT-PIERCE
Engineering a Better Environment

Water
Wastewater
Infrastructure

October 24, 2011

Mr. Eric V. Johnson, P.E.
Director of Planning and Design
Department of Public Works
110 Western Avenue
Framingham, MA 01702

Subject: **FY2013 General Capital Projects**
Saxonville Levee Pump Station Assessment and Design Project

Dear Mr. Johnson:

As requested, we are providing a budget estimate for the purpose of establishing a capital appropriation for the above-referenced project. The Saxonville Levee Pump Station is a project associated with the upgrade of the stormwater management system. The pump station provides protection to the interior area of Saxonville along the Sudbury River. During periods of elevated river flows, the pump station conveys stormwater to the outside of the levee. The station was constructed more than 25 years ago and is critical to the performance of the levee system. The project will assess the existing systems and determine upgrades required to the pumps, structure, SCADA, and electrical systems at the station.

The funds provided by this appropriation will be used towards the assessment and design for the stormwater system improvements. The budget for this phase of work is $152,500. If you have any questions please do not hesitate to contact me at (978)416-8011.

Sincerely,

WRIGHT-PIERCE

Paul D. Brinkman
Senior Project Manager

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Replacement of a Sidewalk Tractor with Snow Plow - DPW Unit #46	Public Works - Highway	14
Category	Division	Priority
Equipment (Rolling)	Public Works	14

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This request is for the replacement of a 1994 Bombardier Sidewalk Tractor that is used to plow the snow from the sidewalks and school paths that are located throughout the Town.

Request Justification

The existing unit is 18 years old and is in poor condition. Despite an aggressive maintenance effort over its life, the machine is now unreliable and is frequently the cause of significant delays in completing this difficult storm related task. These machines work in a debilitating environment and as a consequence, are frequently damaged and are very expensive to maintain. It is common to spend from $8,000-$12,000 annually in labor and parts to keep these older machines operational. The Department deploys up to six tractors both during and after a snowstorm, each responsible for a route of approximately 15 miles each, which is typically covered multiple times at a rate of less than 5 miles per hour. The work is arduous and excruciatingly slow and often the tractor must travel ten miles just to get to an assigned area. This tractor suffers from extensive corrosion and is one of the Department's many vehicles that remain parked out of doors all year subject to the variances of the environment. The Department is responsible for clearing snow from more than 85 miles of sidewalks both during and immediately after a winter event. Due to the large geographic nature of the Town, the Department is responsible for the removal of snow from an extraordinary amount of sidewalks each storm and the efficiency of that effort is directly related to the quality of the machinery that may be applied for that purpose. The Department is required to have all of the designated sidewalks cleared in order for school to open. The machine is used to plow sidewalks in the commercial areas as well, and is essential in the manipulation of the snow at the curb line during snow removal operations. The winter storm work requires six well functioning sidewalk tractors and two older spare units in order to complete the routes safely and within a reasonable time period. The current unit is not able to operate the auxiliary attachments that are typical for this type of machine and that would broaden its functionality in a snow storm, such as a snow blower and material spreader. This older model unit is proposed to be replaced with an updated tracked unit. It will be equipped with a V- plow and an angling plow, as well as, a snow blower, two way radio, warning lights, and material spreader. This newer designed tracked machine, and its auxiliary equipment, will allow the Department to complete maintenance work more expeditiously and more effectively in the Town's 250 mile right of way.

Basis for Estimated Cost
Vendor Quote

Estimated Costs	
$151,200	Year 1
$0	Year 2
$0	Year 3
$0	Year 4
$0	Year 5
$0	Year 6
$0	Year 7
$0	Year 8
$0	Year 9
$0	Year 10
$151,200	

Proposed Funding Sources	Amount
General Fund	$151,200
	$0
	$0
	$0
	$151,200

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

Chadwick-BaRoss

15 Katrina Rd.
Chelmsford, MA. 01824

September 28, 2011

Town of Framingham
Dept. Public Works
100 Western Ave.
Framingham, MA. 01702
E-mail:fjd@framinghamma.gov

Attn: Fred Davies
Subject: SW-4S Sidewalk Plow

Fred,

Pricing on a new SW-4S sidewalk plow as per your request.

One (1) New SW4S Sidewalk Plow Price: $151,200.00

Attachments

Straight Power Angle Blade
V-Plow
Snowblower
Sander

Pricing does not include any applicable taxes. Please do not hesitate to call with any questions you might have.

Thank You.

Dan Rott
V.P./General Manager
Cell: 978/479-5192

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition of a 4WD HD Cab & Chassis with Pickup Body and Snow Plow # 40 #407	Public Works - Highway	15
Category	Division	Priority
Equipment (Rolling)	Public Works	15

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This unit is assigned to the Highway Division for the transportation and/or towing of equipment, tools, and personnel to work sites within the 250 mile roadway network, the provision of transportation for the supervision of in house and contractual work, and the plowing of snow at throughout the Town as assigned. The types of equipment transported include emergency lighting units, air compressors, diesel generators, cement mixers, heavy duty pumps, equipment trailers, and other construction and emergency types of specialized equipment. This unit will be replaced with a Heavy Duty 4WD Cab, Chassis, Pickup Body, and equipped with a snow plow, two way radio, emergency and safety lighting, and AC Power inverter.

Request Justification

This nine year old truck will require extensive work in order to repair the effects of corrosion on the body and frame from having worked extensively in adverse weather conditions. This vehicle will have over 150,000 miles at the time of replacement if it is approved in the FY2013 Capital Budget. The truck is becoming prone to breakdowns and is not a reliable vehicle for its intended assignment. This unit, as originally purchased, had a low GVW rating and as such was not able to be equipped with a snow plow. It is proposed to be replaced with a heavier duty 4WD Cab, Chassis with Pickup Body, and will be equipped with a snow plow.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$45,374 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$45,374

Proposed Funding Sources	Amount
General Fund	$45,374
	$0
	$0
	$0
	$45,374

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR
401 Elm Street
Marlborough, MA 01752

September 28, 2011

Town of Framingham
Public Works

Attn : Fred Davies

Please find below a quote for a Ford F250 per the Plymouth County Commissioners Cooperative Contract# 09-10-11. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract Items must be procured under M.G.L. c. 30B.

2011 Ford F250 pickup per contract spec #09-16
Four wheel drive
Extended cab - 6 3/4' bed
6.2 liter V/8 gasoline engine
6 speed automatic transmission
Snow Plow prep package
Class III receiver hitch
All terrain tires
Electronic shift on the fly
Rhino Liner
Cross body tool box - Weatherguard #126-5-02 (black)
8' Diamond snow plow
8' Diamond poly snow foil
8' Diamond cutting edge
Mobile Radio
Portable Radio
Emergency/Safety Warning Lights Installed

Total price **$ 45,374.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition of a Front End Loader 3CY with Snow Plow # 453	Public Works - Highway	16
Category	Division	Priority
Equipment (Rolling)	Public Works	16

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
This piece of equipment is used daily for all construction, maintenance and pit operations. This loader is used to load and move materials such as gravel, stone, waste asphalt and excavate at the Western Avenue Facility; to load sanders and dump trucks at the Henry Street Facility with salt, sand salt mix, street sweepings and catch basin cleanings. This equipment is also critical during all aspects of a snow and ice incident to both load salt and sand, plow snow or to load snow from roadways and municipal lots. This piece of equipment is proposed to be replaced with a Front End Loader 3CY and equipped with a snowplow, warning lights, and a two way radio. This unit was differed from the Capital Budgets for the last two years.

Request Justification
This two cubic yard (cy) front end loader is 23 years old and is in a deteriorated state as it has been housed out in the elements for its entire life. It currently has 10,035 hours which is the equivalent of over 350,000 miles. It has exceeded its estimated functional life by seven years and has provided great service to the Department, but it is aged and in poor operating condition. The Department has expended funds in recent years to repair the cab and complete some of the engine work required, but it is at the end of its practical life.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$205,527 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$205,527

Proposed Funding Sources	Amount
General Fund	$205,527
	$0
	$0
	$0
	$205,527

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

SCHMIDT EQUIPMENT INC.

JOHN DEERE

Main Office
(Rt. 20) 80 Southbridge Rd.
PO Box 578

North Oxford, MA 01537
Phone: (508) 987-8786

Toll Free: (800) 922-8295

Fax: (508) 987-3578

Branch Offices

- Rtes 6 & 136
  N Swansea, MA
  02777
- 10 Republic Rd.
  N Billerica, MA
  01862
- 1620 Page Blvd. (Rt 20)
  Springfield, MA
  01104
- 88 Camelot Dr. #42
  Plymouth, MA
  02360

September 29, 2011

Framingham DPW Budget figure for a John Deere 624 Loader
Attention: Mr. Fred Davies,

2012 Deere 624K Four Wheel Drive Z-bar Loader

John Deere interim tier 4 certified engine
Air heater cold start aid, 110 volt coolant heater,
Three spool loader hydraulic valve w/auxiliary circuit
FNR control on steering column, single lever control of loader/bucket
Separate lever for auxiliary hydraulic functions
Front axle with hydraulic differential locks, can activate on-the-go
20.5R X 25, L3 tread, radial tires on 3-piece wheels
Axial piston pump, closed center, pressure compensating system, 59 GPM
JRB hydraulic coupler w/3.5 JRB CY bucket w/auxiliary
Automatic boom control for height, return to carry
Ride control, rear bottom guard, and transmission side guards
Transmission bottom guards
Two 950 CCA batteries with master electrical disconnect switch
100 amp 24 volt alternator, 10 amp 24/12 volt converter
Cab w/heater, pressurizer, air conditioning, and defroster
Fabric covered air suspension seat
AM/FM radio, 12 volt in-cab outlet
Windshield wipers: front and rear, intermittent w/washers
Deluxe monitor and alarm w/on-board diagnostics
Electronic monitoring system w/visual and audible alarm
Lighted license plate bracket and SMV emblem
Front and rear work/travel lights
Heavy duty LED turn signal and marker lights
Extended rear cast bumper/counterweight with hitch and locking pin
Standard front fenders and rear platform
JRB snowplow attachment bracket and labor to install town's existing plow

12 months full machine Warranty, additional 12 months or
2500 hours (whichever occurs first) extended warranty covering full machine,
plus an additional 12 months or 4000 machine hours (whichever occurs first)
extended warranty covering powertrain and hydraulic components
warranty covering powertrain and hydraulic components
Manuals: Operator, parts, and repair
Weight; Approximately 36,800 lbs.
Town mobile radio
11' Plow Assembly

Budget figure: $ 205,527.00

Pricing based on current pricing and Municipal discounts which are subject to change, and adjusted for estimated price increases between now and July 2012.

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
The replacement of a 2001 Brush Chipper – DPW unit 480	Public Works - Highway	17
Category	Division	Priority
Equipment (Non-Rolling)	Public Works	17

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
This piece of equipment is used by the tree crews to chip brush and limbs from the maintenance of the more than 10,000 Public Shade Trees that line the 250 miles of streets in Framingham. This is also a critical component in the response to downed trees and the damage caused by heavy winds and snow. The existing equipment will be replaced with a heavy duty brush chipper with reversing action capabilities.

Request Justification
This unit is 12 years old and is in fair condition. Brush chippers are a mechanical device with hundreds of moving parts that is used for the grinding of tree limbs and converting the waste into chips for easier transport and disposal, or for re-use. The nature of the mechanism is such that it is subject to intense vibration during operation and after 12 years of use, the fatigue is evident in both the chassis and the bearing components. The machine is stored outside and it is also subject to the abuse of the varying climate.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$79,351 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$79,351

Proposed Funding Sources	Amount
General Fund	$79,351
	$0
	$0
	$0
	$79,351

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

Vermeer Northeast
Bill Porter
224 South Street
Hopkinton, MA 01748
(508) 922-6184

Vermeer

Vermeer Northeast Sales Quote

npany	Town of Framingham, DPW
ntion	Fred Davies
dress	100 Western Avenue
/	Framingham State MA Zip 01720
one	508-532-5600 Fax

Quote Date	09/21/11
Exp Date	09/21/11
Prepared by	WDP
PO Number	
Sales Rep	WDP
Ordered By	

ty	Item Number	Description	Unit Price	TOTAL
1		Vermeer BC1800XL		
		BC1800XL - 19" capacity drum style brush chipper includes		
		a 170 HP Cummins QSB4.5 tier 3 turbocharged diesel engine,		
		high coolant temperature and low oil pressure automatic shut-		
		down, precleaner, spring loaded clutch, live hydraulics, variable		
		speed dual vertical feed rollers, selectable SmartFeed, pintle		
		hitch, lockable tool/battery box, infeed curtain, dual edged knives		
		Winch, heavy duty manual jack, 10,000lb. Axle with torsion		
		suspension, electric brakes, fixed tongue, 235/75R 17.5 radial		
		tires, LED lighting, deluxe instrument panel, right hand side		
		manual discharge chip chute and an extra set of knives		
		Budget List Price	79,351.00	79,351.00
		PLEASE READ		
		You have requested a price for the next fiscal year, July 2012.		
		Please understand that I have knowledge of the fact that there is		
		a pending price increase coming from our manufacturer in or		
		or around November 30th, 2011.		
		Also, in 2012 the machine you are requesting pricing on will most		
		likely be fitted with a Tier 4 engine in order to conform to Federal		
		standards.		
		This being the case, we have been forwarned of a price increase		
		regarding this that may be as much as 25%		
		Includes Price Increase		
		Please take these facts under advisement		
			Subtotal	
			Sales Tax	
			TOTAL	79,351.00

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition of a 11,000 GVW 4WD Utility Body Truck with Plow #61! #615	Public Works - Water	1
Category	Division	Priority
Equipment (Rolling)	Public Works	1

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This vehicle is used by Department staff in the regulatory compliance program related to the operation of the Water Distribution System and the operating requirements of its State and Federal licensing. The individuals that will be utilizing this vehicle are responsible for the inspection and semi-annual testing of over 2,000 backflow devices and the survey of properties to determine if they comply with backflow regulations. The Town is required to maintain a backflow and inspection program in accordance with Commonwealth of Massachusetts Regulation 310 CMR 22.22 and the reporting requirements are stringent and the consequences of failure are severe. The Department operates these types of Public Utility vehicles in order to accommodate the transportation of staff engaged in maintaining the various regulatory compliance standards and to meet other customer service requirements relative to requests for service such as meter maintenance, pressure testing, and other related inquiries. In many respects the service by staff in the vehicle provided is similar to the type of customer service provided by individuals representing Verizon, NStar, or a Cable company. They are typically one or two individual assignments that are often in a home and are appointment driven. The Department services 18,000 individual accounts ranging from single family homes to large industrial complexes. This vehicle also works in the snow management program and helps offset the need for additional contracted equipment

Request Justification

This unit will be 8 years old at the time of replacement and it has a significant amount of wear and tear on the mechanical components associated with its age. This unit will be replaced with an 11,000 GVW four wheel drive cab & chassis with a utility body, two way radio, warning and work lights, and a snow plow. If the equipment is approved in the Capital Budget process, it would be calendar year 2013 before a replacement could be procured, assembled, and placed into service.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$56,152 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$56,152

Proposed Funding Sources	Amount
Enterprise Fund	$56,152
	$0
	$0
	$0
	$56,152

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

MHQ
VEHICLES • EQUIPMENT • GEAR
401 Elm Street
Marlborough, MA 01752

September 28, 2011
Town of Framingham
Public Works

Attn : Fred Davies

Please find below a quote for a Ford F350 per the Plymouth County Commissioners Cooperative Contract# 09-10-11. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract Items must be procured under M.G.L. c. 30B.

2011 Ford F350 chassis pewr contract spe. #09-19
Four wheel drive - single rear wheels
141" wheel base - 60" cab to axle
10,200 lb. GVWR
6.2 liter V/8 gasoline engine
6 speed automatic transmission
Snow Plow prep package
Factory upfitter switches
40/20/40 vinyl split bench seat
Electronic shift on the fly
8' Diamond snow plow
8' Diamond poly snow foil
8' Diamond cutting edge
LT275/70R X 18 All Terraine Tires
9' Fiberglass Utility Body
Mobile Radio
Portable Radio
Emergency/Safety Warning Lights Installed

Total price **$ 56,152.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition of a 15,000 GVW 4WD Utility Body Truck with Automatic Gate Turner #60 #608	Public Works - Water	2
Category	Division	Priority
Equipment (Rolling)	Public Works	2

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This equipment is used by Department staff in the regulatory compliance program related to the operation of the Water Distribution System and the operating requirements of its State and Federal licensing. The vehicle will be outfitted with an automatic gate turner Wachs model TM- 4. It will also include portable generator, compressor, washer and vacuum to facilitate the cleaning and maintenance of water infrastructure. This vehicle is critical to the planned Gate Valve operating program which will carry on throughout the next several years once this vehicle is acquired. The Town currently spends thousands of dollars each year repairing seized and corroded gate valves throughout the 250-mile water distribution system. Many of these valves are in unworkable condition because they properly exercised and maintained. Also, unworkable valves pose a threat to public safety as they necessitate extensive shutdowns to repair water main breaks and they inhibit the Department's ability to control flows and assist with fire fighting.

Request Justification

The existing unit is undersized and improperly equipped to fulfill the needs of the Gate Valve operation program. Currently, the Department requires two vehicles to properly serve gate valves. Use of a single vehicle will not only save equipment costs, but also require less man-hours. This will save money in overtime charges and allow the Department to service a greater number of gate valves each year.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$79,627 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$79,627

Proposed Funding Sources	Amount
Enterprise Fund	$79,627
	$0
	$0
	$0
	$79,627

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

MHQ
VEHICLES • EQUIPMENT • GEAR
401 Elm Street
Marlborough, MA 01752

September 28, 2011
Town of Framingham
Public Works
Attn : Fred Davies

Please find below a quote for a Ford F550 Cab & Chassis per the Plymouth County Commissioners Cooperative Contract# 09-10-11. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract Items must be procured under M.G.L. c. 30B.

2011 Ford F550 Chassis per contract spec. #09-20
Four wheel Drive
6.7 liter Power Stroke diesel engine
Engine block heater
Automatic Transmission
Transmission PTO provision
All terrain tires
165" wheelbase - 84" CA
Reinforced pintle/ball hitch
6 pin round trailer plug
Utility hydro vac system
Pressure wash system
Articulated gate turning assembly
Mobile Radio
Portable Radio
Emergency/Safety Warning Lights Installed

Total Price **$79,627.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Irving, Loring and Herbert Street Intersection Water Improvements - Constructio	Public Works - Water	3
Category	Division	Priority
Infrastructure	Public Works	3

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
This project will provide funds for the construction of approximately 1,300 linear feet of water main between Irving, Herbert, Loring intersection and Blandin Avenue. The new 12-inch main will replace a network of small and older mains which are in poor condition. The water main will cross Beaver Dam Brook above the water surface through the existing box culvert. Disturbed roadway surfaces will be temporarily paved with a trench patch followed by full width mill and overlay. The new system will replace two parallel antiquated water mains, which have experienced frequent breaks.

Request Justification
The water system in this area represents some of the oldest pipes in the Framingham water system, constructed in excess of 100 years ago. The pipes have experienced frequent water main breaks during the last several years. This project will significantly reduce the incidence of emergency maintenance and increase overall system reliability for the critical facilities located in this area of Town. The existing pipe network has two parallel pipes providing water, which will be reduced to a single more reliable pipe after construction.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$1,795,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$1,795,000

Proposed Funding Sources	Amount
Enterprise Fund	$1,795,000
	$0
	$0
	$0
	$1,795,000

Estimated Operating Budget Annual Cost
$5,000
Explanation for Operating Budget Costs
When completed, this project will save overall operational costs by eliminating the frequent and problematic water main breaks that occur at this location.

Printed 1/20/2012

WRIGHT-PIERCE
Engineering a Better Environment

Water
Wastewater
Infrastructure

October 24, 2011

Mr. Eric V. Johnson, P.E.
Director of Planning and Design
Department of Public Works
110 Western Avenue
Framingham, MA 01702

Subject: **FY2013 Water Capital Projects**
Irving, Herbert, Loring Water Construction Project

Dear Mr. Johnson:

As requested, we are providing a budget estimate for the purpose of establishing a capital appropriation for the above-referenced project. The Irving, Herbert, Loring Water Construction is a project associated with the upgrade of the water distribution system. Portions of the water piping system in the project area are in excess of 100 years old and frequent failures have occurred. The MWRA Sudbury river aqueduct also imposes limitations on the configuration of the water system in this area. The project will require the installation of approximately 1300 linear feet of water piping along Irving and Loring Avenue between Blandin Avenue and Herbert Street. The project will eliminate old parallel pipelines that are prone to recurrent failures. Easement and permitting costs are included in this budget estimate.

The funds provided by this appropriation will be used towards the capital construction and engineering services during construction for the construction of the water system improvements. The budget for this phase of work is $1,795,000. If you have any questions please do not hesitate to contact me at (978)416-8011.

Sincerely,

WRIGHT-PIERCE

Paul D. Brinkman
Senior Project Manager

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Beebe Water Storage Tanks Upgrade Construction Project	Public Works - Water	4
Category	Division	Priority
Infrastructure	Public Works	4

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

The Beebe Water Storage Tanks will be upgraded to provide a reliable facility for the northwestern Framingham water pressure zone. There are two tanks located on the site. The older was constructed more than 80 years ago and needs to be replaced. The newer concrete tank is in fair condition but requires several upgrades to extend the life span of the facility, allow for maintenance and to provide a safe and reliable facility within the Town's water distribution system. The anticipated work includes the demolition and replacement of the existing steel tank, safety and access upgrades to the concrete tank. Improvement to the mixing, electrical and SCADA control systems for the tank site as well as minor site improvements associated with the work. On-line and back-up power systems including the use of solar power will be included as part of the upgrade project. The funding will provide for the final design and construction of the Beebe upgrade project.

Request Justification

The water distribution system associated with these improvements has concerns related to the condition and age of the facilities. Improvements to address safety and access are also part of the project. The reliability of the control systems will be improved as part of the project. The existing steel tank is in excess of 80 years and in poor condition.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$3,214,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$3,214,000

Proposed Funding Sources	Amount
Enterprise Fund	$3,214,000
	$0
	$0
	$0
	$3,214,000

Estimated Operating Budget Annual Cost
$1,000

Explanation for Operating Budget Costs

This project, when completed, will ultimately reduce the overall cost of the operation and maintenance of the water distribution system. The inclusion of a full SCADA system, operating with the use of solar power, will reduce utility costs and reduce the labor costs associated with periodic staff site visitations.

Printed 1/20/2012

WRIGHT-PIERCE
Engineering a Better Environment

Water
Wastewater
Infrastructure

October 24, 2011

Mr. Eric V. Johnson, P.E.
Director of Planning and Design
Department of Public Works
110 Western Avenue
Framingham, MA 01702

Subject: **FY2013 Water Capital Projects**
Beebe Tanks Water Construction Project

Dear Mr. Johnson:

As requested, we are providing a budget estimate for the purpose of establishing a capital appropriation for the above-referenced project. The Beebe Tanks Water Construction is a project associated with the upgrade of the water distribution system. The two tanks are deteriorated and in need of substantial upgrades to prevent substantial failure. One tank was constructed more than 80 years ago and the other tank is in need of upgrades to extend the lifespan of the system. The older steel tank will be replaced with a new tank. Upgrades to mixing, electrical, and SCADA system will be incorporated into the project.

The funds provided by this appropriation will be used towards the final design, bidding, capital construction and engineering services during construction for the construction of the water system improvements. The budget for this phase of work is $3,214,000. If you have any questions please do not hesitate to contact me at (978)416-8011.

Sincerely,

WRIGHT-PIERCE

Paul D. Brinkman
Senior Project Manager

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Water Main Replacement Various Locations 2013	Public Works - Water	5
Category	Division	Priority
Infrastructure	Public Works	5

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
The design and construction to replace existing water mains and appurtenances in various locations. The work includes the rehabilitation or replacement of water mains, hydrants, valves, services and related equipment at locations to be identified later.

Request Justification
During the course of the year the Department encounters situations where small sections of water mains are found to be in need of replacement or increased in size. This project would allow the Department to survey, design and construct the work utilizing in-house staff whenever possible or to contract out where immediate attention is required. Particular attention will be placed on locations requiring increased fire protection, proper water circulation and those experiencing low volume and or pressure.

Basis for Estimated Cost
Previous Purchase
Estimated Costs
$200,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$200,000

Proposed Funding Sources	Amount
Enterprise Fund	$200,000
	$0
	$0
	$0
	$200,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
This project is not expected to have a substantial impact on the Operating Budget. It is anticipated that as the water main and appurtenances are replaced, they will require reduced maintenance and eliminate the potential water loss typical of an older water system.

Printed 1/20/2012

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Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Water Hydrant and Gate Valve Replacements 2013	Public Works - Water	6
Category	Division	Priority
Infrastructure	Public Works	6

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Pubilc Works

Request Description

The requested funding will be used to replace approximately 50 hydrants and 25 gate valves utilizing in-house staff and contracted services as-needed. The appropriation includes the purchase of hydrants, gate valves and appurtenances as well as roadway and sidewalk restoration. Additionally the department will be continuing a Gate valve exercising program that was successfully piloted this past summer.

Request Justification

One of the most critical services that the Water Department provides is ensuring adequate water volume and pressure for firefighting purposes and hydrants in good working order. In accordance with the master plans recommendation the water division replaces a minimum of 50 hydrants and associated gate valves per year. In addition to replacing the aforementioned Hydrants and valves it is critical that we exercise the over 5,000 gate valves that control the flow of water throughout the distribution system. These exercises provide invaluable data to both operations as well as the capital design group.

Basis for Estimated Cost
Previous Purchase
Estimated Costs
$200,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$200,000

Proposed Funding Sources	Amount
Enterprise Fund	$200,000
	$0
	$0
	$0
	$200,000

Estimated Operating Budget Annual Cost
$0

Explanation for Operating Budget Costs

Planned replacement of Gate valves decreases the chance of unplanned failures that usually require emergency repair during off hours. Additionally the knowledge gained through the gate valve exercising program leads to better accuracy and enhanced decision making capabilities when projects are in the design and construction phase.

Printed 1/20/2012

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition of a 11,000 GVW 4WD Utility Body Truck with Plow #704	Public Works - Sewer	1
Category	Division	Priority
Equipment (Rolling)	Public Works	1

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This unit is one of four assigned to the routine maintenance management of the 51 wastewater pump stations, as well as, to the six water pump stations and the five above ground reservoirs in the system. Each of these stations has large mechanical components such as pumps, motors, and electrical components that need to be maintained on a regular basis. Most of the stations have no emergency power capability and when power is interrupted, the response time is critical in order to avoid the development of a Sanitary Sewer Overflow (SSO) which is the primary reason for the imposition of the consent order on the Town by the State. The Department is required to respond rapidly in order to avoid SSO's at the stations which can be caused by the failure of any of its countless component parts, or just by the infusion of ground water during heavy or prolonged rain events. The truck carries the essential equipment and tools necessary to perform the repairs required to keep the station functioning under severe conditions. The vehicle often works in emergency situations and its ongoing reliability is critical. This unit was deferred from last year's Capital Budget.

Request Justification

This unit will be 10 years old by the time its replacement will have been acquired and it has been a first response vehicle to system failures for most of its operational life. The body is in relatively good shape due to the need to repair damage that had occurred last year, but the mechanical components of the cab and chassis have significant wear due to the long hours of idling at work sites in order to operate its component equipment. The idle time is in addition to the significant mileage that is estimated to be close to 100,000 miles before a replacement could be procured and received in early 2013. The goal is to replace the vehicle before any major component fails as it would be another two years before a replacement would be procured, assembled, and put into service if it is not approved in the FY2013 capital budget. This piece of equipment will be replaced with 11,000 GVW four wheel drive cab & chassis with a utility body, two way radio, warning lights, and a snow plow. The heavier gross vehicle weight specified is better suited to the type of work it performs and to the longevity expected from the vehicle. If the equipment is approved in the FY2013 Capital Budget process, it would be calendar year 2013 before a replacement could be procured, assembled, and placed into service.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$56,152 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$56,152

Proposed Funding Sources	Amount
Enterprise Fund	$56,152
	$0
	$0
	$0
	$56,152

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR
401 Elm Street
Marlborough, MA 01752

September 28, 2011
Town of Framingham
Public Works

Attn : Fred Davies

Please find below a quote for a Ford F350 per the Plymouth County Commissioners Cooperative Contract# 09-10-11. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract Items must be procured under M.G.L. c. 30B.

2011 Ford F350 chassis pewr contract spe. #09-19
Four wheel drive - single rear wheels
141" wheel base - 60" cab to axle
10,200 lb. GVWR
6.2 liter V/8 gasoline engine
6 speed automatic transmission
Snow Plow prep package
Factory upfitter switches
40/20/40 vinyl split bench seat
Electronic shift on the fly
8' Diamond snow plow
8' Diamond poly snow foil
8' Diamond cutting edge
LT275/70R X 18 All Terraine Tires
9' Fiberglass Utility Body
Mobile Radio
Portable Radio
Emergency/Safety Warning Lights Installed

Total price **$ 56,152.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition of a 15,000 GVW 4WD Utility Body Truck with Plow #72	Public Works - Sewer	2
Category	Division	Priority
Equipment (Rolling)	Public Works	2

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This unit is one of four assigned to the routine maintenance management of the 51 wastewater pump stations operated as part of the Town's wastewater collection system. Most of the stations have no emergency power capability and when power is interrupted, the response time is critical in order to avoid the development of a Sanitary Sewer Overflow (SSO) which is the primary reason for the imposition of the consent order on the Town by the State. The Department is required to respond rapidly in order to avoid SSO's at the stations which can be caused by the failure of any of its countless component parts, or just by the infusion of ground water during heavy or prolonged rain events. Each of these stations has large mechanical components such as pumps, motors, and electrical components that need to be maintained on a regular basis. The new vehicle will be equipped with a lift gate to assist in the handling of portable pumps, generators and associated equipment and will have the ability to carry tools and supplies necessary to maintain the pumping stations.

Request Justification

This unit will have an estimated 120,000 miles by the time its replacement will have been acquired and it has been a first response vehicle to system failures for most of its operational life. The goal is to replace the vehicle before any major component fails as it would be another 2 years before a replacement would be procured, assembled, and put into service if it is not approved in the FY2013 capital budget. This piece of equipment will be replaced with 15,000 GVW four wheel drive cab & chassis with a utility body, two way radio, warning lights, and a snow plow. The heavier gross vehicle weight specified is better suited to the type of work it performs and to the longevity expected from the vehicle. If the equipment is approved in the FY2013 Capital Budget process, it would be calendar year 2013 before a replacement could be procured, assembled, and placed into service.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$62,228 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$62,228

Proposed Funding Sources	Amount
Enterprise Fund	$62,228
	$0
	$0
	$0
	$62,228

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

MHQ
VEHICLES • EQUIPMENT • GEAR
401 Elm Street
Marlborough, MA 01752

September 28, 2011
Town of Framingham
Public Works

Attn : Fred Davies

Please find below a quote for a Ford F450 per the Plymouth County Commissioners Cooperative Contract# 09-10-11. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract Items must be procured under M.G.L. c. 30B.

2011 Ford F450 chassis per contract spe. #09-20
Four wheel drive - dual rear wheels
141" wheel base - 60" cab to axle
16,000 lb. GVWR
6.8 liter V/10 gasoline engine
5 speed automatic transmission
Snow Plow prep package
Factory upfitter switches
40/20/40 vinyl split bench seat
(7) 225/70R x19.5 all terrain
Electronic shift on the fly
9' Diamond snow plow
9' Diamond poly snow foil
9' Diamond cutting edge
11' Fiberglass Utility Body
Mobile Radio
Portable Radio
Emergency/Safety Warning Lights Installed

Total price **$ 62,228.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition of a 40,000 GVW Cab & Chasis with Dump Body and Snow Plow # 73. #732	Public Works - Sewer	3
Category	Division	Priority
Equipment (Rolling)	Public Works	3

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

The proposed vehicle is a critical piece of equipment used routinely for both pipeline construction and for snow plowing. This equipment is used during the underground construction work that requires the removal and transport of backfill material, as well as for the transportation of pipe and excavation machinery. This vehicle responds to emergency repairs such as broken wastewater force mains which result in several Sanitary Sewer Overflows which have resulted in the Administrative Consent Order by the Department of Environmental Protection. Also, each year the Department performs in house construction of several capital projects and completed them efficiently and effectively, and at a 50% savings over the contracted construction estimate. The construction or repair of underground utilities requires the use of dump trucks as part of the excavation process.

Request Justification

This 15 year old dump truck currently has 7,520 hours which if the equivalent of 265,800 miles. The truck is in poor condition despite our efforts to keep it running and the body intact. It is one of only two dump trucks in the Wastewater Division Fleet and they often are both needed at construction sites and emergency repairs. This also is one of 20 Public Works vehicles that have been routinely stored outside throughout the year and thereby suffers from the prolonged exposure to the environment. This piece of equipment will be replaced with a 40,000 GVW cab and chassis with dump body, central hydraulic system, warning lights, two way radio, snow plow, material spreader and underbody scraper. This type of heavy truck will take approximately one year from the date of order to be manufactured, assembled, and delivered ready for service. Even if approved by the spring Town Meeting, the new truck would not be ready to go into service before the summer of 2013.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$225,697 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$225,697

Proposed Funding Sources	Amount
Enterprise Fund	$225,697
	$0
	$0
	$0
	$225,697

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

AUTHORIZED DISTRIBUTOR

Ballard Mack Sales & Service, Inc.

442 Southwest Cutoff
Worcester, MA 01604

Phone: 508-753-1403
Fax: 508-752-0518
Website: www.ballardmack.com

October 8, 2011

Town of Framingham
100 Western Avenue
Framingham, Ma 01702

Attn: Fred Davies

Re: Six Wheel Dump Truck Quote

One 2012 Mack 40,000 GVW six wheel dump with front plow and sander which includes:

11 Foot Plow Assembly
Load Cover
Center scraper
6-8 CY sander w/ calcium system
Town Radio
Emergency/safety Warning Lights

Price: $225,697

Gregory Day

Gregory Day
Sales Representative

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Acquisition of a 4WD HD Cab & Chassis with Pickup Body and Snow Plow # 72. # 725	Public Works - Sewer	4
Category	Division	Priority
Equipment (Rolling)	Public Works	4

Type	Submitter
Replacement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
This unit is assigned to the Wastewater Division for; the transportation and/or towing of equipment, tools, and personnel to work sites within the 250 mile wastewater collection network. The types of equipment transported include emergency lighting units, air compressors, diesel generators, cement mixers, heavy duty pumps, equipment trailers, and other construction and emergency types of specialized equipment. This vehicle responds to emergency repairs such as broken wastewater force mains which result in several Sanitary Sewer Overflows which have resulted in the Administrative Consent Order by the Department of Environmental Protection. Also, each year the Department performs in house construction of several capital projects and completed them efficiently and effectively, and at a 50% savings over the contracted construction estimate.

Request Justification
This vehicle will be 10 years old and have over 90,000 miles at the time of replacement if approved in the FY2013 Capital Budget. The truck is becoming prone to breakdowns and is not a reliable vehicle for its intended assignment. It is proposed to be replaced with a heavier duty 4WD Cab, Chassis with Pickup Body, and will be equipped with a snow plow.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$45,374 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$45,374

Proposed Funding Sources	Amount
Enterprise Fund	$45,374
	$0
	$0
	$0
	$45,374

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR
401 Elm Street
Marlborough, MA 01752

September 28, 2011

Town of Framingham
Public Works

Attn : Fred Davies

Please find below a quote for a Ford F250 per the Plymouth County Commissioners Cooperative Contract# 09-10-11. M.G.L. c.30B applies to the procurement of all commodities quoted. Plymouth County contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract Items must be procured under M.G.L. c. 30B.

2011 Ford F250 pickup per contract spec #09-16
Four wheel drive
Extended cab - 6 3/4' bed
6.2 liter V/8 gasoline engine
6 speed automatic transmission
Snow Plow prep package
Class III receiver hitch
All terrain tires
Electronic shift on the fly
Rhino Liner
Cross body tool box - Weatherguard #126-5-02 (black)
8' Diamond snow plow
8' Diamond poly snow foil
8' Diamond cutting edge
Mobile Radio
Portable Radio
Emergency/Safety Warning Lights Installed

Total price **$ 45,374.00**

Sincerely,

Larry Christensen

Larry Christensen
Fleet Manager

Phone: 508-573-2622 Fax: 508-573-2722 lchristensen@mhqvehicles.com

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Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Hancock Lane Pump Station Elimination Project Design and Constructio	Public Works - Sewer	5
Category	Division	Priority
Infrastructure	Public Works	5

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This capital project will allow for the elimination of the Hancock wastewater pumping station. The project will provide funds for the design and construction of a gravity sewer to the Blackberry pumping station. The project was part of a negotiated settlement between the developer of Ditullio Drive and the Town. The developer installed the Hancock pump station with plans to have a future sub-division provide an extension to eliminate the Hancock pumping station and connect it to the existing town-owned Blackberry pumping station. The entire sewer connection project will be completed by the developer and the Town. The Town is responsible to lower the existing sewer along the alignment from Brook Meadow Circle through easements to Millwood Circle to the Blackberry pumping station. The existing sewer, approximately 1,025 feet in length, must be lowered to allow for adequate cover in the developer constructed portion of the work. The work will also include obtaining easements and permitting the stream crossing. An allowance is provided for the oversight of the developers design and construction activities.

Request Justification

This project is being requested relative to a legal settlement reached between the Town and developer for the elimination of the Hancock wastewater pumping station. The station is nearing the end of its useful life and provisions for the replacement are necessary. The elimination of the pumping station will reduce the operation and maintenance required to maintain and the sulfide odor and corrosion associated with the facility.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$805,500 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$805,500

Proposed Funding Sources	Amount
Enterprise Fund	$805,500
	$0
	$0
	$0
	$805,500

Estimated Operating Budget Annual Cost
$10,000
Explanation for Operating Budget Costs
This project, when completed, will ultimately reduce the overall cost of the operation and maintenance of the wastewater collection system. The elimination of a pumping station will save approximately $10,000 per year and the reconfiguration of the force mains will reduce the costs associated with wastewater pumping and sulfide control.

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October 24, 2011

Mr. Eric V. Johnson, P.E.
Director of Planning and Design
Department of Public Works
110 Western Avenue
Framingham, MA 01702

Subject: **FY2013 Sewer Capital Projects**
Hancock Lane Pump Station Elimination Project

Dear Mr. Johnson:

As requested, we are providing a budget estimate for the purpose of establishing a capital appropriation for the above-referenced project. The Hancock Lane Pump Station Elimination Design and Construction is a project associated with the upgrade of the wastewater collection system. The Hancock Lane pump station is nearing the end of its useful life and does not have the necessary SCADA and back-up systems required by the MA DEP. The station can be eliminated through the construction of a gravity sewer to the existing town Blackberry pumping station. Approximately 1,025 feet of gravity sewer will be constructed by this project. Portions of the wastewater piping system in the project area are in excess of 100 years old. Costs for the monitoring of another private built section of the pipe are included. Easement and permitting costs are included in this budget estimate.

The funds provided by this appropriation will be used towards the design, bidding, capital construction and engineering services during construction for the construction of the sewer system improvements. The budget for this phase of work is $805,500. If you have any questions please do not hesitate to contact me at (978)416-8011.

Sincerely,

WRIGHT-PIERCE

Paul D. Brinkman
Senior Project Manager

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
East Framingham Sewer Improvements Project and Central Street Siphon/Sudbury Rivei	Public Works - Sewer	6
Category	Division	Priority
Infrastructure	Public Works	6

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

The East Framingham Sewer Improvement Project and the Central Street Siphon/Sudbury River projects are two of the largest sewer projects outlined in the comprehensive wastewater Master Plan. The Town will eliminate several sanitary sewer overflows (SSOs) when these projects are completed. The Town is mandated to complete these projects under an Administrative Consent Order by the Department of Environmental Protection. These projects are currently under construction and have been approved to receive over $5 million funds under the American Recovery and Reinvestment Act of 2009 ("stimulus" funds).

Request Justification

Both these projects involve very deep excavations in primary traffic corridors in the Town. During the construction of these projects, several unforeseen conditions arose. These include additional material handling and purchase as a result of hazardous waste impacted soil and groundwater encountered in the excavations, increased fill purchased due to poor soil conditions, change in state permitting requirements, traffic management, and property acquisitions. The property acquisitions include the purchase of parcels from the Massachusetts Bay Transit Association (MBTA) and the Massachusetts Department of Transportation (MassDOT) to install a new 24-inch gravity sewer interceptor. This acquisition was necessary to facilitate the elimination of the Speen St Pump Station and the associated sewer force main piping that is associated with significant sulfide generation, SSOs and is located in Natick for several miles. This property acquisition will also allow for the construction and use of the Cochituate Rail Trail.

Basis for Estimated Cost
Previous Purchase
Estimated Costs
$2,400,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$2,400,000

Proposed Funding Sources	Amount
Enterprise Fund	$2,400,000
	$0
	$0
	$0
	$2,400,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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Capital Budget Request FY 2013

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Request Title	Department	Priority
Speen Street Service Connections	Public Works - Sewer	7
Category	Division	Priority
Infrastructure	Public Works	7

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
The East Framingham Sewer Improvements Project (EFSIP) includes the elimination of the Speen Street Pump Station and the decommissioning of the associated 12-inch and 16-inch force main piping. The Speen Street Pump Station is located on the east side of Town on Speen Street near the I-90/Route 30 Interchange. As part of the EFSIP Project, it was noted that three existing out of Town accounts in Natick discharge their wastewater to the Framingham sewer system via direct connections to the Speen Street force main. This project includes the design and construction of improvements that include reuse of a portion of the existing force main to continue to provide sewer service to these three out of Town accounts.

Request Justification
The out of Town accounts currently connected to the Speen Street force main are provided sewer service by the Town of Framingham. This will provide improvements to continue this service.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$650,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$650,000

Proposed Funding Sources	Amount
Enterprise Fund	$650,000
	$0
	$0
	$0
	$650,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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Capital Budget Request FY 2013

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Request Title	Department	Priority
Irving, Herbert, Loring, Sewer Construction Project Construction	Public Works - Sewer	8
Category	Division	Priority
Infrastructure	Public Works	8

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This project will provide funds for the construction of a sewer system replacement/upgrade in the vicinity of the Herbert, Loring, and Irving Street intersection. The sewer siphons under the MWRA aqueduct will be upgraded and the pipe crossing at Beaver Dam Brook will also be upgraded. The length of sewer and siphon in the project is approximately 450 linear feet for each; for a total of approximately 900 linear feet. Sewer improvements are planned to include the installation of new siphons (24-inch and 18-inch) by jacking under the aqueduct and pipe crossing at grade across the brook. Disturbed roadway surfaces will be temporarily paved with a trench patch followed by full width mill and overlay (paid under the water portion of the project). Full easement acquisitions for multiple commercial and possible residential properties are anticipated as part of this project as well as costs associated with permitting for construction within the MWRA property. The project will include negotiations with Ashland in regards to the Inter-municipal agreement for capital cost allocation.

Request Justification

The sewer system in this area was constructed over two separate construction periods, originally in the 1920s and subsequently in the 1980s. Due to the presence of the MWRA aqueduct and Beaver Dam Brook, the pipes are configured to provide siphons at the crossings. The siphons were not constructed to provide inter-operability and do not function well. Sedimentation of solids in the siphons has caused sewer surcharging in upstream pipe segments. To mitigate this condition the DPW has instituted frequent maintenance activities to keep the siphons clear of debris. The project will provide for a flexible and more optimized sewer system. It is anticipated that the siphon at the Brook crossing will be eliminated and replaced with a pipe crossing similar to the existing pipe crossing at Herbert Street.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$2,475,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$2,475,000

Proposed Funding Sources	Amount
Enterprise Fund	$2,475,000
	$0
	$0
	$0
	$2,475,000

Estimated Operating Budget Annual Cost
$2,000
Explanation for Operating Budget Costs
This project, when completed, will ultimately reduce the overall cost of the operation and maintenance of the wastewater collection system. The optimization of the siphons and Brook crossing will reduce overall costs associated with routine the frequency of sewer cleaning activities and the associated costs.

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October 24, 2011

Mr. Eric V. Johnson, P.E.
Director of Planning and Design
Department of Public Works
110 Western Avenue
Framingham, MA 01702

Subject: **FY2013 Sewer Capital Projects**
Irving, Herbert, Loring Sewer Construction Project

Dear Mr. Johnson:

As requested, we are providing a budget estimate for the purpose of establishing a capital appropriation for the above-referenced project. The Irving, Herbert, Loring Sewer Construction is a project associated with the upgrade of the wastewater collection system. Portions of the wastewater piping system in the project area are in excess of 100 years old. Additionally the Sudbury River Aqueduct and Beaver Dam Brook impose limitations on the configuration of the sewer system in this area. Three siphons are installed as a result. The project will require the installation of approximately 900 linear feet of wastewater piping and associated siphons along Herbert Street and Loring Avenue. The project will eliminate one siphon and install provisions for siphon maintenance on pipelines that are difficult to maintain. Easement and permitting costs are included in this budget estimate.

The funds provided by this appropriation will be used towards the capital construction and engineering services during construction for the construction of the sewer system improvements. The budget for this phase of work is $2,475,000. If you have any questions please do not hesitate to contact me at (978)416-8011.

Sincerely,

WRIGHT-PIERCE

Paul D. Brinkman
Senior Project Manager

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Speen Street Interceptor Sewer Replacement Project Design and Constructio	Public Works - Sewer	9
Category	Division	Priority
Infrastructure	Public Works	9

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
The funding for this project will allow the replacement of approximately 800 linear feet of 24-inch Vitrified Clay sewer pipe located immediately upstream of the Speen Street pump station. It also includes the evaluation and lining of an additional approximate 800 linear feet section of pipe located immediately upstream of the replacement section. The existing pipe has experienced two major breaks in the last few years and required significant excavation to perform emergency repairs. The project includes cost to obtain easements from landowners within the pipe alignment as well as restoration of disturbed surfaces along the alignment. The construction will require open cut construction work across a brook.

Request Justification
Investigations of earlier pipe collapses have revealed significant structural failure in the 800 section of pipe. The pipe is located adjacent to a waterway and wastewater overflows have contaminated the stream. Replacement of the 70+ year old vitreous clay pipe is required to prevent future catastrophic failures. The lining section of the pipe will allow for a non-intrusive repair to be performed before significant structural failures occur, extending the life of the pipe.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$1,178,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$1,178,000

Proposed Funding Sources	Amount
Enterprise Fund	$1,178,000
	$0
	$0
	$0
	$1,178,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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October 24, 2011

Mr. Eric V. Johnson, P.E.
Director of Planning and Design
Department of Public Works
110 Western Avenue
Framingham, MA 01702

Subject: **FY2013 Sewer Capital Projects**
Speen Street Interceptor Sewer Replacement Project Design and Construction

Dear Mr. Johnson:

As requested, we are providing a budget estimate for the purpose of establishing a capital appropriation for the above-referenced project. The Speen Street Interceptor Sewer Replacement Project Design and Construction is a project associated with the upgrade of the wastewater collection system. The wastewater piping was recently identified as severely deteriorated as a result of sulfide corrosion and has collapsed on two separate occasions. The project provides for the replacement of approximately 800 linear feet of sewer and internal rehabilitation of another 800 linear feet of existing sewer. The project is largely contained along the Mass DOT exit ramp and requires considerable coordination during the design and construction of the improvements. Easement and permitting costs are included in this budget estimate.

The funds provided by this appropriation will be used towards the design, bidding, capital construction and engineering services during construction for the construction of the sewer system improvements. The budget for this phase of work is $1,178,000. If you have any questions please do not hesitate to contact me at (978)416-8011.

Sincerely,

WRIGHT-PIERCE

Paul D. Brinkman
Senior Project Manager

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Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Wastewater Back-Up Systems Upgrades	Public Works - Sewer	10
Category	Division	Priority
Infrastructure	Public Works	10

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description

This project is for improvements to the back-up power and pumping systems at the Woodland and Salem End wastewater pumping stations. The work includes the installation of a generator and automatic transfer switch to power the pumps at the Woodland wastewater pumping station. The generator will be sized to meet the power demands of the station and other systems including lighting and SCADA systems. The Salem End wastewater pumping station improvements will include the addition of a critically silenced engine driven pump system that will also be configured to allow the SCADA control systems to be maintained during an extended power failure. Improvements at both stations will include minor civil improvements and electrical upgrades to allow the installation of the new systems.

Request Justification

The two stations do not have the required back-up systems to ensure the maintenance of sewer flows during power failure. The Woodland pumping station is difficult to access and has experienced significant stormwater flooding, making it vulnerable to power failure. The pumps at the station experienced complete failure during recent flooding situation and older back-up pumps are not functional. The Salem End pumping station cannot convey peak flows without the use of additional pumping equipment and lacks DEP required back-up systems to convey wastewater under power failure conditions.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$550,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$550,000

Proposed Funding Sources	Amount
Enterprise Fund	$550,000
	$0
	$0
	$0
	$550,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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October 24, 2011

Mr. Eric V. Johnson, P.E.
Director of Planning and Design
Department of Public Works
110 Western Avenue
Framingham, MA 01702

Subject: **FY2013 Sewer Capital Projects**
Back-up Systems Upgrades Project Design and Construction

Dear Mr. Johnson:

As requested, we are providing a budget estimate for the purpose of establishing a capital appropriation for the above-referenced project. The Back-up Systems Upgrades Project Design and Construction is a project associated with the upgrade of the wastewater collection system. Two wastewater pumping stations currently do not have necessary back-up systems as required by the MA DEP. The Salem End pump station does not have on site back-up power and during very high flows is unable to maintain sewer flows. The Woodland pump station is in an area susceptible to surface flooding and backup pumping equipment can no longer be maintained due to the age of the equipment. Back-up pumping and power systems will be added to the pumping stations.

The funds provided by this appropriation will be used towards the design, bidding, capital construction and engineering services during construction for the construction of the sewer system improvements. The budget for this phase of work is $550,000. If you have any questions please do not hesitate to contact me at (978)416-8011.

Sincerely,

WRIGHT-PIERCE

Paul D. Brinkman
Senior Project Manager

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Hemenway Gravity Sewer and Hop Brook / Railroad Sewer Crossing Project Constructio	Public Works - Sewer	11
Category	Division	Priority
Infrastructure	Public Works	11

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
The Hemenway Road and Hop Brook Railroad Crossing Gravity Sewer Replacement Project will provide funds for the replacement of the two sections of the Town's gravity sewer system. The Hemenway Road gravity sewer was identified to be in deteriorated condition as a result of sulfide corrosion acting on the asbestos cement pipe and needs to be replaced in conjunction with the Eaton, Challis and Nob Hill pumping station project. The funding will provide monies to provide for the replacement of approximately 2,200 feet and lining of approximately 1,700 feet of gravity sewer on Eisenhower Road and Hemenway Road between Eaton Road and Merrill Drive. The roadway surface will also be restored as part of the project. The second section of sewer to be replaced as part of this project is the gravity sewer extending from Apple D'Or Road cross-country to Hemenway Road. The sewer in this section crosses the railroad and it exposed at two locations within the wetland and poses a threat to release wastewater into the wetland. Approximately 700 linear feet of sewer will be rehabilitated, replaced and realigned as part of the project. The pipe crossing of the railroad will include considerations for the protection of the sewer from surface activities.

Request Justification
The sewer system related to these improvements suffers from a variety of problems related to sulfide corrosion, limited capacity, condition, and age. The replacement of the gravity sewer system is required to prevent significant cost and damage associated with structural failure. The repairs will also reduce the vulnerability associated with the current configuration.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$2,965,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$2,965,000

Proposed Funding Sources	Amount
Enterprise Fund	$2,965,000
	$0
	$0
	$0
	$2,965,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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October 24, 2011

Mr. Eric V. Johnson, P.E.
Director of Planning and Design
Department of Public Works
110 Western Avenue
Framingham, MA 01702

Subject: **FY2013 Sewer Capital Projects**
Hemenway Gravity Sewer and Hop Brook/Railroad Sewer Project

Dear Mr. Johnson:

As requested, we are providing a budget estimate for the purpose of establishing a capital appropriation for the above-referenced project. The Hemenway Gravity Sewer and Hop Brook/Railroad Sewer Design and Construction is a project associated with the upgrade of the wastewater collection system. The wastewater piping was recently identified as severely deteriorated as a result of sulfide corrosion and needs replacement in order to mitigate structural failure. The project provides for the replacement of approximately 2500 linear feet of sewer and internal rehabilitation of another 1000 linear feet of existing sewer. The project also includes the replacement of a sewer crossing of the railroad easement near Hop Brook. Easement and permitting costs are included in this budget estimate.

The funds provided by this appropriation will be used towards the design, bidding, capital construction and engineering services during construction for the construction of the sewer system improvements. The budget for this phase of work is $2,965,000. If you have any questions please do not hesitate to contact me at (978)416-8011.

Sincerely,

WRIGHT-PIERCE

Paul D. Brinkman
Senior Project Manager

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Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Sewer Main Replacement Various Locations 2013	Public Works - Sewer	12
Category	Division	Priority
Infrastructure	Public Works	12

Type	Submitter
Improvement	Peter Sellers
Status	Submitter Title
Submit	Director of Public Works

Request Description
The design and construction to replace existing wastewater mains and appurtenances in various locations. The work includes the rehabilitation or replacement of wastewater mains, manholes, structures and related equipment at locations to be identified later.

Request Justification
During the course of the year the Department encounters situations where small sections of wastewater mains are found to be in need of replacement through traditional construction methods or rehabilitated with a structural liner. This project would allow the Department to survey, design and construct the work utilizing in-house staff whenever possible or to contract out where immediate attention is required. Particular attention will be placed on locations where the risk of failure is high and could result in health safety issues including sewer system overflows or back-ups into customer's buildings.

Basis for Estimated Cost
Previous Purchase
Estimated Costs
$250,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$250,000

Proposed Funding Sources	Amount
Enterprise Fund	$250,000
	$0
	$0
	$0
	$250,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
This project is not expected to have a substantial impact on the Operating Budget. It is anticipated that as the wastewater mains and appurtenances are replaced, they will require reduced inspection and maintenance.

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Capital Budget Requests

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Division Priorities

Pri	Title	Total Cost	Description	Justification	Oper Cost	Fiscal
1	Study for Building Construction at Fuller/Farley	$200,000	Studies for building construction at the Fuller Middle School and Farley.	The Fuller Middle School was South High School, built in 1958. Farley Middle School was built in 1973 and has been occupied by MassBay Community College for the past 10 years. Proper assessment for the construction needs of both buildings as schools is required. This study is directly contingent upon the MassBay Community College lease of Farley and the School Committee's decision as to which building is more beneficial to occupy given the financial needs of the building as determined by this study and the educational needs of the District going forward.	$0	2013
2	Technology Upgrades Throughout District - Phased Project (2)	$500,000	Phase 2 of 4 - Technology ugrades throughout the school district.	Phase 2: Continuation of upgrades Last year, the Framingham Public Schools Office of Technology (OT) initiated a four-year capital plan to upgrade technology hardware and software. Phase 1, in FY 2012, provided funding to purchase teacher laptops and classroom projectors. During the past summer the Office of Technology coordinated the purchase and distribution of approximately 400 teacher laptops and 250 projectors for use at the elementary, middle, and pre-school levels. Phase 2, in FY 2013, OT will purchase additional desktops and laptops, which will replace obsolete equipment at the elementary, middle, and high school levels. Many of the new desktops will be used to update computer labs. Furthermore, laptops will be distributed throughout the school district, but a high percentage will be used at the high school. Software will also be purchased with these new computers. We must continue to build on Phase One's success to move the Framingham Public Schools towards a 21st Century teaching and learning model that will provide our students and staff with the necessary skills and abilities to compete and achieve at a high level. Phase 3 FY14: Continuation of upgrades $ 500,000.00 Phase 4 FY15: Continuation of upgrades $ 500,000.00	$0	2013
3	DDC Energy Conservation Program - Phased Project (6)	$300,000	Phase 6 of 7. DDC Engergy Conservation Program - Phased Project 6 of 7 and 7 of 7.	DDC Energy Conservation Program – Phased Project Phase 6 of 7 FY 13: Installation of DDC at three schools consists of the following: • Barbieri • Potter Road • Brophy All installations will require equipment, interface hardware, installation labor, software modifications and replacement valves or actuators for the hot water coils. Once the major equipment has been upgraded, we should replace any remaining pneumatic controls on devices such as unit heaters, radiation valves or combustion air dampers with DDC. This will allow the Framingham Public Schools to eliminate the air compressors, which will provide additional energy savings, maintenance savings and will further simplify the operation and maintenance of the schools. The projected amount of energy savings resulting from installation of DDC controls in FY13 (Phase 6) is $36,436.00. This project is also eligible for rebate programs estimated to be $22,000.00 for FY13. $300,000.00 Phase 7 of 7 FY14: Stapleton work consists of DDC on 1 AHU and 36 univents. $200,000.00	$58,436	2013
4	ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (1)	$300,000	Phase 1 of 5. ADA upgrades to curbs, sidewalks and handicap ramps at various schools in the District. Please note current Town of Framingham unit pricing contract with Lorusso Corporation was used to generate cost.	ADA Upgrades to Curbs, Sidewalks and Handicap Ramps - Multiple Schools – Phased Project FY 13: Numerous schools were cited for damaged curbs, sidewalks, curb cuts, handicap ramps and deteriorated pavement in the ADA Town-wide Transition Plan. These funds would be part of a phased repair and upgrade plan to repair or replace the noted deficiencies. Schools most in need of repair are Walsh Middle School and Potter Road Elementary. $ 300,000.00 FY14: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 FY15: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 FY16: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 FY17: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 * Please note that ADA upgrades must be completed during the months of	$0	2013

				July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.		
5	Paving Replacement/Storm Water All Schools - Phased Project (1)	$500,000	Phase 1 of 5. Paving replacement and repair including compliance with federal storm water regulations at all schools - multiphase project. Please note current Town of Framingham unit pricing contract with Lorruso Corporation was used to determine cost.	Paving Replacement/Storm Water All Schools – Phased Project FY13: Multiphase project with ongoing work to preserve, repair, and maintain school parking lots and driveways. Please note that all pavement projects are now subject to the United States Environmental Protection Agency National Pollutant Discharge Elimination System regulations. Each project will now require increased design costs and Planning Board approval. Engineering estimates at this time are an increased cost per project of 40%. Below is a current list of school property most in need of repair in the following priority order: • Potter Road Elementary • Walsh Middle School • Dunning Elementary • King Administration Building • Brophy Elementary • Hemenway Elementary • Fuller Middle School • Stapleton Elementary • Thayer Building • McCarthy Elementary $ 500,000.00 FY14: Continue with paving replacement $ 300,000.00 FY15: Continue with paving replacement $ 300,000.00 FY16: Continue with paving replacement $ 300,000.00 FY17: Continue with paving replacement $ 300,000.00 * Please note that paving must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.	$0	2013
6	Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (2)	$300,000	Phase 2 of 6. Continue upgrading AHU equipment at Walsh and Barbieri Schools, then other schools on an annual basis.	Replace Rooftop AHU's and Ventilation Equipment – Multiple Schools – Phased Project FY12: Barbieri School has large rooftop air handling units and ventilation equipment that are over 40 years old. The units run 24/7 year round and should be replaced as part of a systematic maintenance program. Motors, shafts and bearings have become a maintenance problem with constant breakdowns. Controls are analog technology and are outdated. The scope of work involves the replacement of seven air handlers and six condenser units of the following sizes: 2 25-ton units, 1 30-ton unit, 2 40-ton units, 2 60-ton units, 2 25-ton units, 3 20-ton units and 1 40-ton self-contained roof top unit with air conditioning. Complete FY13: Continue upgrading AHU equipment at Walsh Middle and Barbieri Elementary schools. In addition, due to changes in building code requirements for snow and wind loading, additional structural support is required for the ventilation and air handling roof top units. $300,000.00 FY14: Continue upgrading AHU equipment at several schools annually. $200,000.00 FY15: Continue upgrading AHU equipment at several schools annually. $200,000.00 FY16: Continue upgrading AHU equipment at several schools annually. $200,000.00 FY17: Continue upgrading AHU equipment at several schools annually. $200,000.00 * Please note that this rooftop ventilation work must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.	$0	2013
7	Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple Systems (1)	$150,000	Phase 1 of 5. Mechanical, electrical and plumbing ugrades in all schools in order to properly maintain buildings.	Mechanical, Electrical, Plumbing Upgrades – All Schools – Multiple Systems Phased Project FY13: To properly maintain school buildings so they are safe, efficient and sound, mechanical, electrical and plumbing upgrades on multiple systems need to be performed. All schools will require upgrades in the near future. Attached is a prioritized list of pumps, drives, motors, lighting, burners and appurtenances. $ 150,000.00 FY14: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 FY15: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 FY16: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 FY17: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 * Please note that the majority of the mechanical, electrical and plumbing upgrades listed must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.	$0	2013
8	Vehicle Replacement - Dump Truck With Plow	$58,000	Vehicle Replacement - Dump Truck With	Vehicle Replacement FY13: We are currently using a 1994 Ford dump truck with snowplow: 40,632 miles. This truck has body rot and will not hold up to snowplow requirements.	$0	2013

			Plow	Replace with a 2012 Ford F350 or comparable dump truck, 4-wheel drive including snowplow package.		
9	Vehicle Replacement - Box Truck	$42,000	Vehicle Replacement for Buildings and Grounds Department - Box Truck	Vehicle Replacement FY13: Ford F350 or comparable Box Truck with liftgate for use by Buildings and Grounds Department Maintenance Staff to move furniture and supplies throughout the District. This truck is required to supplement and existing 2004 stake body truck that has deteriorated and displays signs of wear and rot. $ 42,000.00	$0	2013
10	Grounds Equipment Upgrades	$100,000	New lawn mower purchase for Buildings and Grounds Department.	Grounds Equipment Upgrade FY 13: Supplement eight-year old existing Toro mower with new Toro Groundsmaster 5910 mower. Description: ROPS cab, air ride suspension, road/work lights, signal/flasher lights, brake lights, A/C, heater, premium seat and SMV sign. Due to Park and Recreation's aggressive irrigation and fertilization program, grass cutting needs on fields has increased by more than 30%, putting a huge strain on an eight-year old mower with a Jacobson open cab 1988 model back up unit. $ 100,000.00	$0	2013
11	Replace Deteriorated Floor Tile Main Areas and Corridors-Multiple Schools-Phased Project (1)	$400,000	Phase 1 of 5. Replace deteriorated floor tile with new tile in main areas and in corridors at Barbieri, Walsh and various other schools.	Replace Deteriorated Floor Tile in Main Areas and in Corridors – Multiple Schools -Phased Project Phase 1 of 5 FY 13: Barbieri School is a two-story building that was constructed in 1974. It encompasses an area of 112,000 square feet. The homogeneous material is located in the floor tiles throughout the school: kitchen, boys' and girls' locker rooms, entry to 103, east, southeast and southwest lobbies, stairwells, and rooms 104 & 105. Walsh School is a two-story building that was constructed in 1969. The building encompasses an area of 201,000 square feet. The building has no additions to the original building structure. The homogeneous material is located in several locations: boiler rooms, custodial and maintenance areas, auditorium, stage and throughout the school. See attached "Fuss & O'Neill" EnviroScience reports for schools with asbestos containing materials. The intent is to replace deteriorated floor tile (approximately 200,000 square feet this year and a minimum of 100,000 in subsequent years). $ 400,000.00 Phase 2 of 5 FY 14: Various schools will have homogeneous material removed and replaced with new floor tiles, ceiling tiles, pipe coverings and transom panels. $ 200,000.00 Phase 3 of 5 FY 15: Continue removal and replacement process. $ 200,000.00 Phase 4 of 5 FY 16: Continue removal and replacement process. $ 200,000.00 Phase 5 of 5 FY 17: Continue removal and replacement process. $ 200,000.00	$0	2013
12	Furnish New and Replace Outdated Furniture – Phased Project (1)	$300,000	Phase 1 of 5. Furnish new and replace outdated furniture in mutliple schools.	Furnish New and Replace Outdated Furniture – Phased Project FY 13: The majority of schools have the same furniture that was purchased during their construction in the sixties. Although there are many pieces of relatively new furniture in the schools, there is no way to refurbish the 255 classrooms that still use outdated furniture. Current teaching methods and modern technology in the elementary and middle school grades require the use of laptop computers, calculators and printers that are not conducive with the existing desks and chairs. This is a five-year replacement program that will bring all our classrooms into the twenty-first century. The plan is to begin with one elementary school (25 classrooms) and 10 grade offices per year until all furniture has been replaced as necessary. $ 300,000.00 FY 14: Continuation of furniture upgrades $ 300,000.00 FY 15: Continuation of furniture upgrades $ 300,000.00 FY 16: Continuation of furniture upgrades $ 300,000.00 FY 17: Continuation of furniture upgrades $ 300,000.00	$0	2013
13	Stage Curtains Multiple Schools-Phased Project (1)	$30,000	Phase 1 of 5. Replacement of stage curtains and rigging in multiple schools.	Stage Curtains Multiple Schools – Phased Project FY13: – Phase 1 Required improvement and/or replacement of stage curtains and rigging to comply with building code requirements. Rigging problems would also be corrected. $ 30,000.00 FY14: – Phase 2 Continuation of Stage Curtain replacement of curtains and rigging $ 30,000.00	$0	2013
14	Food Service Equipment Replacement - Phased Project (1)	$54,000	Phase 1 of 5. Food Services Equipment Replacement - Multiple Schools	Food Services Equipment – Phased Project FY13: – Phase 1 Equipment upgrades are necessary in many school cafeterias. The Board of Health has cited the following schools for not meeting state code regarding 3 compartment vs. 2 compartment sinks. New sinks, disposers and grease trap upgrades-to meet state code Barbieri Elementary Potter Road Elementary Brophy Elementary Dunning Elementary Stapleton Elementary McCarthy Elementary Exhaust hood Brophy $ 54,000.00 FY 14: Continuation of equipment upgrades: New fire suppression systems Dunning Brophy	$0	2013

				Floor drain containment systems and basket catch Framingham High Walsh Walk-in Stapleton Serving line rehabilitation Juniper Hill $ 56,000.00 FY 15: Continuation of equipment upgrades: Serving line rehabilitation Potter Brophy Dunning Stapleton McCarthy Hemenway Walk-in Fuller $ 55,000.00 FY 16: Continuation of equipment upgrades $ 25,000.00 FY 17: Continuation of equipment upgrades $ 25,000.00		
15	Technology Upgrades Throughout District - Phase Project (3)	$500,000	Phase 3 of 4. Technology upgrades throughout the school district.	Phase 3 - Continuation of upgrades Justification submitted for FY2013 Phase 2: Continuation of upgrades Last year, the Framingham Public Schools Office of Technology (OT) initiated a four-year capital plan to upgrade technology hardware and software. Phase 1, in FY 2012, provided funding to purchase teacher laptops and classroom projectors. During the past summer the Office of Technology coordinated the purchase and distribution of approximately 400 teacher laptops and 250 projectors for use at the elementary, middle, and pre-school levels. Phase 2, in FY 2013, OT will purchase additional desktops and laptops, which will replace obsolete equipment at the elementary, middle, and high school levels. Many of the new desktops will be used to update computer labs. Furthermore, laptops will be distributed throughout the school district, but a high percentage will be used at the high school. Software will also be purchased with these new computers. We must continue to build on Phase One's success to move the Framingham Public Schools towards a 21st Century teaching and learning model that will provide our students and staff with the necessary skills and abilities to compete and achieve at a high level. Phase 3 FY14: Continuation of upgrades $ 500,000.00; Phase 4 FY15: Continuation of upgrades $500,000.00	$0	2014
16	Fuller Middle School Roof Replacement	$4,000,000	Fuller Middle School Roof Replacement	Fuller Middle School Roof Replacement FY13: Please reference #1 Building Study and timeline data in #1 No funding request for FY13. FY14: The Fuller Middle School Roof was recently inspected and will need to be replaced in the near future. The Fuller roof consists of 6 individual roof areas with a total square footage of 197,818. An infrared analysis will be required in some areas to determine the amount of wet insulation. A September 2011 report from TREMCO Roofing is attached. In addition, this project may qualify for Massachusetts School Building Authority Funding Assistance of almost 60% of the total construction cost. $ 4,000,000.00	$0	2014
17	DDC Energy Conservation Program - Phased Project (7)	$200,000	Phase 7 of 7. DDC Energy Conservation Program	Phase 7 of 7 FY14: Stapleton work consists of DDC on 1 AHU and 36 univents. $200,000.00 Phase 6 of 7 FY 13: Installation of DDC at three schools consists of the following: Barbieri, Potter Road, Brophy. All installations will require equipment, interface hardware, installation labor, software modifications and replacement valves or actuators for the hot water coils. Once the major equipment has been upgraded, we should replace any remaining pneumatic controls on devices such as unit heaters, radiation valves or combustion air dampers with DDC. This will allow the Framingham Public Schools to eliminate the air compressors, which will provide additional energy savings, maintenance savings and will further simplify the operation and maintenance of the schools. The projected amount of energy savings resulting from installation of DDC controls in FY13 (Phase 6) is $36,436.00. This project is also eligible for rebate programs estimated to be $22,000.00 for FY13. $300,000.00 Phase 7 of 7 FY14: Stapleton work consists of DDC on 1 AHU and 36 univents. $200,000.00	$0	2014
18	ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (2)	$300,000	Phase 2 of 5. ADA upgrades to curbs, sidewalks and handicap ramps at various schools in the District. Please note current Town of Framingham unit pricing contract with Lorusso Corporation was used to generate	FY14: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 FY 13: Numerous schools were cited for damaged curbs, sidewalks, curb cuts, handicap ramps and deteriorated pavement in the ADA Town-wide Transition Plan. These funds would be part of a phased repair and upgrade plan to repair or replace the noted deficiencies. Schools most in need of repair are Walsh Middle School and Potter Road Elementary. $ 300,000.00 FY14: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00; FY15: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00;	$0	2014

			cost.	FY16: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00; FY17: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 * Please note that ADA upgrades must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.		
19	Paving Replacement/Storm ater All Schools - Phased Project (2)	$300,000	Phase 2 of 5. Paving replacement and repair including compliance with federal storm water regulations at all schools - multiphase project. Please note current Town of Framingham unit pricing contract with Lorruso Corporation was used to determine cost.	FY14: Continue with paving replacement $ 300,000.00 FY13: Multiphase project with ongoing work to preserve, repair, and maintain school parking lots and driveways. Please note that all pavement projects are now subject to the United States Environmental Protection Agency National Pollutant Discharge Elimination System regulations. Each project will now require increased design costs and Planning Board approval. Engineering estimates at this time are an increased cost per project of 40%. Below is a current list of school property most in need of repair in the following priority order: Potter Road Elementary, Walsh Middle School, Dunning Elementary, King Administration Building, Brophy Elementary, Hemenway Elementary, Fuller Middle School, Stapleton Elementary, Thayer Building, McCarthy Elementary$ 500,000.00 FY14: Continue with paving replacement $ 300,000.00; FY15: Continue with paving replacement $300,000.00; FY16: Continue with paving replacement $300,000.00; FY17: Continue with paving replacement $300,000.00 * Please note that paving must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.	$0	2014
20	Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (3)	$200,000	Phase 3 of 6. Continue upgrading AHU equipment at Walsh and Barbieri Schools, then other schools on an annual basis.	FY14: Continue upgrading AHU equipment at several schools annually $200,000.00 FY12: Barbieri School has large rooftop air handling units and ventilation equipment that are over 40 years old. The units run 24/7 year round and should be replaced as part of a systematic maintenance program. Motors, shafts and bearings have become a maintenance problem with constant breakdowns. Controls are analog technology and are outdated. The scope of work involves the replacement of seven air handlers and six condenser units of the following sizes: 2 25-ton units, 1 30-ton unit, 2 40-ton units, 2 60-ton units, 2 25-ton units, 3 20-ton units and 1 40-ton self-contained roof top unit with air conditioning. Complete FY13: Continue upgrading AHU equipment at Walsh Middle and Barbieri Elementary schools. In addition, due to changes in building code requirements for snow and wind loading, additional structural support is required for the ventilation and air handling roof top units. $300,000.00 FY14: Continue upgrading AHU equipment at several schools annually $200,000.00; FY15: Continue upgrading AHU equipment at several schools annually $200,000.00; FY16: Continue upgrading AHU equipment at several schools annually $200,000.00; FY17: Continue upgrading AHU equipment at several schools annually $200,000.00 * Please note that this rooftop ventilation work must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.	$0	2014
21	Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple System - Phased Project (2)	$150,000	Phase 2 of 5. Mechanical, electrical and plumbing upgrades in all schools in order to properly maintain buildings.	FY14: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 FY13: To properly maintain school buildings so they are safe, efficient and sound, mechanical, electrical and plumbing upgrades on multiple systems need to be performed. All schools will require upgrades in the near future. Attached is a prioritized list of pumps, drives, motors, lighting, burners and appurtenances $ 150,000.00 FY14: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY15: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY16: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY17: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00	$0	2014
22	Replace Deteriorated Floor Tile in Main Areas and Corridors-	$200,000	Phase 2 of 5. Replace deteriorated floor	Phase 2 of 5 FY 14: Various schools will have homogeneous material removed and replaced with new floor tiles, ceiling tiles, pipe coverings and transom panels $ 200,000.00 Phase	$0	2014

	Multiple Schools-Phased Project (2)		tile with new tile in main areas and in corridors at Barbieri, Walsh and various other schools.	1 of 5 FY 13: Barbieri School is a two-story building that was constructed in 1974. It encompasses an area of 112,000 square feet. The homogeneous material is located in the floor tiles throughout the school: kitchen, boys' and girls' locker rooms, entry to 103, east, southeast and southwest lobbies, stairwells, and rooms 104 & 105. Walsh School is a two-story building that was constructed in 1969. The building encompasses an area of 201,000 square feet. The building has no additions to the original building structure. The homogeneous material is located in several locations: boiler rooms, custodial and maintenance areas, auditorium, stage and throughout the school. See attached "Fuss & O'Neill" EnviroScience reports for schools with asbestos containing materials. The intent is to replace deteriorated floor tile (approximately 200,000 square feet this year and a minimum of 100,000 in subsequent years). $ 400,000.00 Phase 2 of 5 FY 14: Various schools will have homogeneous material removed and replaced with new floor tiles, ceiling tiles, pipe coverings and transom panels $ 200,000.00; Phase 3 of 5 FY 15: Continue removal and replacement process $ 200,000.00; Phase 4 of 5 FY 16: Continue removal and replacement process $ 200,000.00; Phase 5 of 5 FY 17: Continue removal and replacement process $ 200,000.00		
23	Furnish New and Replace Outdated Furniture - Phased Project (2)	$300,000	Phase 2 of 5. Furnish new and replace outdated furniture in multiple schools.	FY 14: Continuation of furniture upgrades $ 300,000.00 FY 13: The majority of schools have the same furniture that was purchased during their construction in the sixties. Although there are many pieces of relatively new furniture in the schools, there is no way to refurbish the 255 classrooms that still use outdated furniture. Current teaching methods and modern technology in the elementary and middle school grades require the use of laptop computers, calculators and printers that are not conducive with the existing desks and chairs. This is a five-year replacement program that will bring all our classrooms into the twenty-first century. The plan is to begin with one elementary school (25 classrooms) and 10 grade offices per year until all furniture has been replaced as necessary $ 300,000.00 FY 14: Continuation of furniture upgrades $ 300,000.00; FY 15: Continuation of furniture upgrades $ 300,000.00; FY 16: Continuation of furniture upgrades $ 300,000.00; FY 17: Continuation of furniture upgrades $ 300,000.00 * Please note that the majority of the mechanical, electrical and plumbing upgrades listed must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.	$0	2014
24	Stage Curtains Multiple Schools - Phased Project (2)	$30,000	Phase 2 of 2. Replacement of stage curtains and rigging in multiple schools.	FY14: – Phase 2 Continuation of Stage Curtain replacement of curtains and rigging $ 30,000.00 FY13: – Phase 1 Required improvement and/or replacement of stage curtains and rigging to comply with building code requirements. Rigging problems would also be corrected $ 30,000.00 FY14: – Phase 2 Continuation of Stage Curtain replacement of curtains and rigging $ 30,000.00	$0	2014
25	Food Service Equipment Replacement - Phased Project (2)	$56,000	Phase 2 of 5. Food Services Equipment Replacement - Multiple Schools	FY 14: Continuation of equipment upgrades: New fire suppression systems Dunning Brophy Floor drain containment systems and basket catch Framingham High Walsh Walk-in Stapleton Serving line rehabilitation Juniper Hill $56,000.00 FY13: – Phase 1 Equipment upgrades are necessary in many school cafeterias. The Board of Health has cited the following schools for not meeting state code regarding 3 compartment vs. 2 compartment sinks. New sinks, disposers and grease trap upgrades-to meet state code Barbieri Elementary Potter Road Elementary Brophy Elementary Dunning Elementary Stapleton Elementary McCarthy Elementary Exhaust hood Brophy $54,000.00 FY 14: Continuation of equipment upgrades: New fire suppression systems Dunning Brophy Floor drain containment systems and basket catch Framingham High Walsh Walk-in Stapleton Serving line rehabilitation Juniper Hill $56,000.00; FY 15: Continuation of equipment upgrades: Serving line rehabilitation Potter Brophy Dunning Stapleton McCarthy Hemenway Walk-in Fuller $55,000.00; FY 16: Continuation of equipment upgrades $25,000.00; FY 17: Continuation of equipment upgrades$25,000.00	$0	2014
26	Vehicle Replacement - Stake Truck	$50,000	Vehicle Replacement -	Existing stake truck is showing signs of wear and rot.	$0	2014

			Stake Truck			
27	Technology Upgrades Throughout District - Phase Project (4)	$500,000	Phase 4 of 4. Tehcnology upgrades throughout the school district.	Phase 4 FY15: Continuation of upgrades $500,000.00 Phase 2: Continuation of upgrades Last year, the Framingham Public Schools Office of Technology (OT) initiated a four-year capital plan to upgrade technology hardware and software. Phase 1, in FY 2012, provided funding to purchase teacher laptops and classroom projectors. During the past summer the Office of Technology coordinated the purchase and distribution of approximately 400 teacher laptops and 250 projectors for use at the elementary, middle, and pre-school levels. Phase 2, in FY 2013, OT will purchase additional desktops and laptops, which will replace obsolete equipment at the elementary, middle, and high school levels. Many of the new desktops will be used to update computer labs. Furthermore, laptops will be distributed throughout the school district, but a high percentage will be used at the high school. Software will also be purchased with these new computers. We must continue to build on Phase One's success to move the Framingham Public Schools towards a 21st Century teaching and learning model that will provide our students and staff with the necessary skills and abilities to compete and achieve at a high level. Phase 3 FY14: Continuation of upgrades $ 500,000.00; Phase 4 FY15: Continuation of upgrades $500,000.00	$0	2015
28	ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (3)	$300,000	Phase 3 of 5. ADA upgrades to curbs, sidewalks and handicap ramps at various schools in the District. Please note current Town of Framingham unit pricing contract with Lorusso Corporation was used to generate cost.	FY15: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 FY 13: Numerous schools were cited for damaged curbs, sidewalks, curb cuts, handicap ramps and deteriorated pavement in the ADA Town-wide Transition Plan. These funds would be part of a phased repair and upgrade plan to repair or replace the noted deficiencies. Schools most in need of repair are Walsh Middle School and Potter Road Elementary. $ 300,000.00 FY14: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00; FY15: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00; FY16: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00; FY17: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 * Please note that ADA upgrades must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.	$0	2015
29	Paving Replacement/Storm Water All Schools - Phased Project (3)	$300,000	Phase 3 of 5. Paving replacement and repair including compliance with federal storm water regulations at all schools - multiphase project. Please note current Town of Framingham unit pricing contract with Lorruso Corporation was used to determine cost.	FY15: Continue with paving replacement $300,000.00 FY13: Multiphase project with ongoing work to preserve, repair, and maintain school parking lots and driveways. Please note that all pavement projects are now subject to the United States Environmental Protection Agency National Pollutant Discharge Elimination System regulations. Each project will now require increased design costs and Planning Board approval. Engineering estimates at this time are an increased cost per project of 40%. Below is a current list of school property most in need of repair in the following priority order: Potter Road Elementary, Walsh Middle School, Dunning Elementary, King Administration Building, Brophy Elementary, Hemenway Elementary, Fuller Middle School, Stapleton Elementary, Thayer Building, McCarthy Elementary$ 500,000.00 FY14: Continue with paving replacement $ 300,000.00; FY15: Continue with paving replacement $300,000.00; FY16: Continue with paving replacement $300,000.00; FY17: Continue with paving replacement $300,000.00 * Please note that paving must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.	$0	2015
30	Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (4)	$200,000	Phase 4 of 6. Continue upgrading AHU equipment at Walsh and Barbieri Schools, then other schools on	FY15: Continue upgrading AHU equipment at several schools annually $200,000.00 FY12: Barbieri School has large rooftop air handling units and ventilation equipment that are over 40 years old. The units run 24/7 year round and should be replaced as part of a systematic maintenance program. Motors, shafts and bearings have become a maintenance problem with constant breakdowns. Controls are analog	$0	2015

			an annual basis.	technology and are outdated. The scope of work involves the replacement of seven air handlers and six condenser units of the following sizes: 2 25-ton units, 1 30-ton unit, 2 40-ton units, 2 60-ton units, 2 25-ton units, 3 20-ton units and 1 40-ton self-contained roof top unit with air conditioning. Complete FY13: Continue upgrading AHU equipment at Walsh Middle and Barbieri Elementary schools. In addition, due to changes in building code requirements for snow and wind loading, additional structural support is required for the ventilation and air handling roof top units. $300,000.00 FY14: Continue upgrading AHU equipment at several schools annually $200,000.00; FY15: Continue upgrading AHU equipment at several schools annually $200,000.00; FY16: Continue upgrading AHU equipment at several schools annually $200,000.00; FY17: Continue upgrading AHU equipment at several schools annually $200,000.00 * Please note that this rooftop ventilation work must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.		
31	Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple System Phased Project (3)	$150,000	Phase 3 of 5. Mechanical, electrical and plumbing upgrades in all schools in order to properly maintain buildings.	FY15: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 FY13: To properly maintain school buildings so they are safe, efficient and sound, mechanical, electrical and plumbing upgrades on multiple systems need to be performed. All schools will require upgrades in the near future. Attached is a prioritized list of pumps, drives, motors, lighting, burners and appurtenances $ 150,000.00 FY14: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY15: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY16: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY17: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00	$0	2015
32	Replacement Vehicle - Pick Up Truck	$50,000	Replacement Vehicle - Pick Up Truck	Replacement for pick up truck showing signs of wear	$0	2015
33	Replace Deteriorated Floor Tile Main Areas and Corridors-Multiple Schools-Phased Project (3)	$200,000	Phase 3 of 5. Replace deteriorated floor tile with new tile in main areas and in corridors at Barbieri, Walsh and various other schools.	Phase 3 of 5 FY 15: Continue removal and replacement process $ 200,000.00 Phase 1 of 5 FY 13: Barbieri School is a two-story building that was constructed in 1974. It encompasses an area of 112,000 square feet. The homogeneous material is located in the floor tiles throughout the school: kitchen, boys' and girls' locker rooms, entry to 103, east, southeast and southwest lobbies, stairwells, and rooms 104 & 105. Walsh School is a two-story building that was constructed in 1969. The building encompasses an area of 201,000 square feet. The building has no additions to the original building structure. The homogeneous material is located in several locations: boiler rooms, custodial and maintenance areas, auditorium, stage and throughout the school. See attached "Fuss & O'Neill" EnviroScience reports for schools with asbestos containing materials. The intent is to replace deteriorated floor tile (approximately 200,000 square feet this year and a minimum of 100,000 in subsequent years). $ 400,000.00 Phase 2 of 5 FY 14: Various schools will have homogeneous material removed and replaced with new floor tiles, ceiling tiles, pipe coverings and transom panels $ 200,000.00; Phase 3 of 5 FY 15: Continue removal and replacement process $ 200,000.00; Phase 4 of 5 FY 16: Continue removal and replacement process $ 200,000.00; Phase 5 of 5 FY 17: Continue removal and replacement process $ 200,000.00	$0	2015
34	Furnish New and Replace Outdated Furniture - Phased Project (3)	$300,000	Phase 3 of 5. Furnish new and replace outdated furniture in multiple schools.	FY 15: Continuation of furniture upgrades $ 300,000.00 FY 13: The majority of schools have the same furniture that was purchased during their construction in the sixties. Although there are many pieces of relatively new furniture in the schools, there is no way to refurbish the 255 classrooms that still use outdated furniture. Current teaching methods and modern technology in the elementary and middle school grades require the use of laptop computers, calculators and printers that are not conducive with the existing desks and chairs. This is a five-year replacement program that will bring all our classrooms into the twenty-first century. The plan is to begin with one elementary school (25 classrooms) and 10 grade offices per year until all furniture has been replaced as necessary $ 300,000.00 FY 14: Continuation of	$0	2015

				furniture upgrades $ 300,000.00; FY 15: Continuation of furniture upgrades $ 300,000.00; FY 16: Continuation of furniture upgrades $ 300,000.00; FY 17: Continuation of furniture upgrades $ 300,000.00 * Please note that the majority of the mechanical, electrical and plumbing upgrades listed must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.		
35	Food Service Equipment Replacement - Phased Project (3)	$55,000	Phase 3 of 5. Food Services Equipment Replacement - Multiple School	FY 15: Continuation of equipment upgrades: Serving line rehabilitation Potter Brophy Dunning Stapleton McCarthy Hemenway Walk-in Fuller $55,000.00 FY13: – Phase 1 Equipment upgrades are necessary in many school cafeterias. The Board of Health has cited the following schools for not meeting state code regarding 3 compartment vs. 2 compartment sinks. New sinks, disposers and grease trap upgrades-to meet state code Barbieri Elementary Potter Road Elementary Brophy Elementary Dunning Elementary Stapleton Elementary McCarthy Elementary Exhaust hood Brophy $54,000.00 FY 14: Continuation of equipment upgrades: New fire suppression systems Dunning Brophy Floor drain containment systems and basket catch Framingham High Walsh Walk-in Stapleton Serving line rehabilitation Juniper Hill $56,000.00; FY 15: Continuation of equipment upgrades: Serving line rehabilitation Potter Brophy Dunning Stapleton McCarthy Hemenway Walk-in Fuller $55,000.00; FY 16: Continuation of equipment upgrades $25,000.00; FY 17: Continuation of equipment upgrades$25,000.00	$0	2015
36	ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (4)	$300,000	Phase 4 of 5. ADA upgrades to curbs, sidewalks and handicap ramps at various schools in the District. Please note current Town of Framingham unit pricing contract with Lorusso Corporation was used to generate cost.	FY16: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 FY 13: Numerous schools were cited for damaged curbs, sidewalks, curb cuts, handicap ramps and deteriorated pavement in the ADA Town-wide Transition Plan. These funds would be part of a phased repair and upgrade plan to repair or replace the noted deficiencies. Schools most in need of repair are Walsh Middle School and Potter Road Elementary. $ 300,000.00 FY14: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00; FY15: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00; FY16: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00; FY17: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 * Please note that ADA upgrades must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.	$0	2016
37	Paving Replacement/Storm Water All Schools - Phased Project (4)	$300,000	Phase 4 of 5. Paving replacement and repair including compliance with federal storm water regulations at all schools - multiphase project. Please note current Town of Framingham unit pricing contract with Lorruso Corporation was used to determine cost.	FY16: Continue with paving replacement $300,000.00 FY13: Multiphase project with ongoing work to preserve, repair, and maintain school parking lots and driveways. Please note that all pavement projects are now subject to the United States Environmental Protection Agency National Pollutant Discharge Elimination System regulations. Each project will now require increased design costs and Planning Board approval. Engineering estimates at this time are an increased cost per project of 40%. Below is a current list of school property most in need of repair in the following priority order: Potter Road Elementary, Walsh Middle School, Dunning Elementary, King Administration Building, Brophy Elementary, Hemenway Elementary, Fuller Middle School, Stapleton Elementary, Thayer Building, McCarthy Elementary$ 500,000.00 FY14: Continue with paving replacement $ 300,000.00; FY15: Continue with paving replacement $300,000.00; FY16: Continue with paving replacement $300,000.00; FY17: Continue with paving replacement $300,000.00 * Please note that paving must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.	$0	2016
38	Replace Rooftop AHU's and Ventilation	$200,000	Phase 5 of 6. Continue	FY16: Continue upgrading AHU equipment at several schools annually $200,000.00 FY12: Barbieri School has large	$0	2016

	Equipment - Multiple Schools - Phased Project (5)		upgrading AHU equipment at Walsh and Barbieri Schools, then other schools on an annual basis.	rooftop air handling units and ventilation equipment that are over 40 years old. The units run 24/7 year round and should be replaced as part of a systematic maintenance program. Motors, shafts and bearings have become a maintenance problem with constant breakdowns. Controls are analog technology and are outdated. The scope of work involves the replacement of seven air handlers and six condenser units of the following sizes: 2 25-ton units, 1 30-ton unit, 2 40-ton units, 2 60-ton units, 2 25-ton units, 3 20-ton units and 1 40-ton self-contained roof top unit with air conditioning. Complete FY13: Continue upgrading AHU equipment at Walsh Middle and Barbieri Elementary schools. In addition, due to changes in building code requirements for snow and wind loading, additional structural support is required for the ventilation and air handling roof top units. $300,000.00 FY14: Continue upgrading AHU equipment at several schools annually $200,000.00; FY15: Continue upgrading AHU equipment at several schools annually $200,000.00; FY16: Continue upgrading AHU equipment at several schools annually $200,000.00; FY17: Continue upgrading AHU equipment at several schools annually $200,000.00 * Please note that this rooftop ventilation work must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.		
39	Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple System Phased Project (4)	$150,000	Phase 4 of 5. Mechanical, electrical and plumbing upgrades in all schools in order to properly maintain buildings.	FY16: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 FY13: To properly maintain school buildings so they are safe, efficient and sound, mechanical, electrical and plumbing upgrades on multiple systems need to be performed. All schools will require upgrades in the near future. Attached is a prioritized list of pumps, drives, motors, lighting, burners and appurtenances $ 150,000.00 FY14: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY15: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY16: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY17: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00	$0	2016
40	Replacement Truck	$50,000	Replacement Truck	Replacement truck for Buildings and Grounds Department. Ongoing replacement of high mileage vehicles showing signs of wear.	$0	2016
41	Replace Deteriorated Floor Tile Main Areas and Corridors-Multiple Schools-Phased Project (4)	$200,000	Phase 4 of 5. Replace deteriorated floor tile with new tile in main areas and in corridors at Barbieri, Walsh and various other schools.	Phase 4 of 5 FY 16: Continue removal and replacement process $ 200,000.00 Phase 1 of 5 FY 13: Barbieri School is a two-story building that was constructed in 1974. It encompasses an area of 112,000 square feet. The homogeneous material is located in the floor tiles throughout the school: kitchen, boys' and girls' locker rooms, entry to 103, east, southeast and southwest lobbies, stairwells, and rooms 104 & 105. Walsh School is a two-story building that was constructed in 1969. The building encompasses an area of 201,000 square feet. The building has no additions to the original building structure. The homogeneous material is located in several locations: boiler rooms, custodial and maintenance areas, auditorium, stage and throughout the school. See attached "Fuss & O'Neill" EnviroScience reports for schools with asbestos containing materials. The intent is to replace deteriorated floor tile (approximately 200,000 square feet this year and a minimum of 100,000 in subsequent years). $ 400,000.00 Phase 2 of 5 FY 14: Various schools will have homogeneous material removed and replaced with new floor tiles, ceiling tiles, pipe coverings and transom panels $ 200,000.00; Phase 3 of 5 FY 15: Continue removal and replacement process $ 200,000.00; Phase 4 of 5 FY 16: Continue removal and replacement process $ 200,000.00; Phase 5 of 5 FY 17: Continue removal and replacement process $ 200,000.00	$0	2016
42	Furnish New and Replace Outdated Furniture - Phased Project (4)	$300,000	Phase 4 of 5. Furnish new and replace outdated furniture in multiple schools.	FY 16: Continuation of furniture upgrades $ 300,000.00 FY 13: The majority of schools have the same furniture that was purchased during their construction in the sixties. Although there are many pieces of relatively new furniture in the schools, there is no way to refurbish the 255 classrooms that still use outdated furniture. Current teaching methods and modern technology in the elementary and middle school grades require the use of laptop computers, calculators and printers that are not conducive with the existing desks and	$0	2016

				chairs. This is a five-year replacement program that will bring all our classrooms into the twenty-first century. The plan is to begin with one elementary school (25 classrooms) and 10 grade offices per year until all furniture has been replaced as necessary $ 300,000.00 FY 14: Continuation of furniture upgrades $ 300,000.00; FY 15: Continuation of furniture upgrades $ 300,000.00; FY 16: Continuation of furniture upgrades $ 300,000.00; FY 17: Continuation of furniture upgrades $ 300,000.00 * Please note that the majority of the mechanical, electrical and plumbing upgrades listed must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.		
43	Food Service Equipment Replacement - Phased Project (4)	$25,000	Phase 4 of 5. Food Service Equipment Replacement - Multiple Schools	FY 16: Continuation of equipment upgrades $25,000.00 FY13: – Phase 1 Equipment upgrades are necessary in many school cafeterias. The Board of Health has cited the following schools for not meeting state code regarding 3 compartment vs. 2 compartment sinks. New sinks, disposers and grease trap upgrades-to meet state code Barbieri Elementary Potter Road Elementary Brophy Elementary Dunning Elementary Stapleton Elementary McCarthy Elementary Exhaust hood Brophy $54,000.00 FY 14: Continuation of equipment upgrades: New fire suppression systems Dunning Brophy Floor drain containment systems and basket catch Framingham High Walsh Walk-in Stapleton Serving line rehabilitation Juniper Hill $56,000.00; FY 15: Continuation of equipment upgrades: Serving line rehabilitation Potter Brophy Dunning Stapleton McCarthy Hemenway Walk-in Fuller $55,000.00; FY 16: Continuation of equipment upgrades $25,000.00; FY 17: Continuation of equipment upgrades$25,000.00	$0	2016
44	ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (5)	$300,000	Phase 5 of 6. ADA upgrades to curbs, sidewalks and handicap ramps at various schools in the District. Please note current Town of Framingham unit pricing contract with Lorusso Corporation was used to generate cost.	FY17: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 FY 13: Numerous schools were cited for damaged curbs, sidewalks, curb cuts, handicap ramps and deteriorated pavement in the ADA Town-wide Transition Plan. These funds would be part of a phased repair and upgrade plan to repair or replace the noted deficiencies. Schools most in need of repair are Walsh Middle School and Potter Road Elementary. $ 300,000.00 FY14: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00; FY15: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00; FY16: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00; FY17: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 * Please note that ADA upgrades must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.	$0	2017
45	Paving Replacement/Storm Water All Schools - Phased Project (5)	$300,000	Phase 5 of 6. Paving replacement and repair including compliance with federal storm water regulations at all schools - multiphase project. Please note current Town of Framingham unit pricing contract with Lorruso Corporation was used to determine cost.	FY17: Continue with paving replacement $300,000.00 FY13: Multiphase project with ongoing work to preserve, repair, and maintain school parking lots and driveways. Please note that all pavement projects are now subject to the United States Environmental Protection Agency National Pollutant Discharge Elimination System regulations. Each project will now require increased design costs and Planning Board approval. Engineering estimates at this time are an increased cost per project of 40%. Below is a current list of school property most in need of repair in the following priority order: Potter Road Elementary, Walsh Middle School, Dunning Elementary, King Administration Building, Brophy Elementary, Hemenway Elementary, Fuller Middle School, Stapleton Elementary, Thayer Building, McCarthy Elementary$ 500,000.00 FY14: Continue with paving replacement $ 300,000.00; FY15: Continue with paving replacement $300,000.00; FY16: Continue with paving replacement $300,000.00; FY17: Continue with paving replacement $300,000.00 * Please note that paving must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in	$0	2017

				this short time frame.		
46	Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (6)	$200,000	Phase 6 of 6. Continue upgrading AHU equipment at Walsh and Barbieri Schools, then other schools on an annual basis.	FY17: Continue upgrading AHU equipment at several schools annually $200,000.00 FY12: Barbieri School has large rooftop air handling units and ventilation equipment that are over 40 years old. The units run 24/7 year round and should be replaced as part of a systematic maintenance program. Motors, shafts and bearings have become a maintenance problem with constant breakdowns. Controls are analog technology and are outdated. The scope of work involves the replacement of seven air handlers and six condenser units of the following sizes: 2 25-ton units, 1 30-ton unit, 2 40-ton units, 2 60-ton units, 2 25-ton units, 3 20-ton units and 1 40-ton self-contained roof top unit with air conditioning. Complete FY13: Continue upgrading AHU equipment at Walsh Middle and Barbieri Elementary schools. In addition, due to changes in building code requirements for snow and wind loading, additional structural support is required for the ventilation and air handling roof top units. $300,000.00 FY14: Continue upgrading AHU equipment at several schools annually $200,000.00; FY15: Continue upgrading AHU equipment at several schools annually $200,000.00; FY16: Continue upgrading AHU equipment at several schools annually $200,000.00; FY17: Continue upgrading AHU equipment at several schools annually $200,000.00 * Please note that this rooftop ventilation work must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.	$0	2017
47	Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple System Phased Project (5)	$150,000	Phase 5 of 5. Mechanical, electrical and plumbing upgrades in all schools in order to properly maintain buildings.	FY17: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 FY13: To properly maintain school buildings so they are safe, efficient and sound, mechanical, electrical and plumbing upgrades on multiple systems need to be performed. All schools will require upgrades in the near future. Attached is a prioritized list of pumps, drives, motors, lighting, burners and appurtenances $ 150,000.00 FY14: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY15: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY16: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00; FY17: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00	$0	2017
48	Replace Deteriorated Floor Tile in Main Areas and Cooridors - Multiple Schools - Phased Project (5)	$200,000	Phase 5 of 5. Replace deteriorated floor tile with new tile in main areas and in corridors at Barbieri, Walsh and various other schools.	Phase 5 of 5 FY 17: Continue removal and replacement process $ 200,000.00 Phase 1 of 5 FY 13: Barbieri School is a two-story building that was constructed in 1974. It encompasses an area of 112,000 square feet. The homogeneous material is located in the floor tiles throughout the school: kitchen, boys' and girls' locker rooms, entry to 103, east, southeast and southwest lobbies, stairwells, and rooms 104 & 105. Walsh School is a two-story building that was constructed in 1969. The building encompasses an area of 201,000 square feet. The building has no additions to the original building structure. The homogeneous material is located in several locations: boiler rooms, custodial and maintenance areas, auditorium, stage and throughout the school. See attached "Fuss & O'Neill" EnviroScience reports for schools with asbestos containing materials. The intent is to replace deteriorated floor tile (approximately 200,000 square feet this year and a minimum of 100,000 in subsequent years). $ 400,000.00 Phase 2 of 5 FY 14: Various schools will have homogeneous material removed and replaced with new floor tiles, ceiling tiles, pipe coverings and transom panels $ 200,000.00; Phase 3 of 5 FY 15: Continue removal and replacement process $ 200,000.00; Phase 4 of 5 FY 16: Continue removal and replacement process $ 200,000.00; Phase 5 of 5 FY 17: Continue removal and replacement process $ 200,000.00	$0	2017
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				and modern technology in the elementary and middle school grades require the use of laptop computers, calculators and printers that are not conducive with the existing desks and chairs. This is a five-year replacement program that will bring all our classrooms into the twenty-first century. The plan is to begin with one elementary school (25 classrooms) and 10 grade offices per year until all furniture has been replaced as necessary $ 300,000.00 FY 14: Continuation of furniture upgrades $ 300,000.00; FY 15: Continuation of furniture upgrades $ 300,000.00; FY 16: Continuation of furniture upgrades $ 300,000.00; FY 17: Continuation of furniture upgrades $ 300,000.00 * Please note that the majority of the mechanical, electrical and plumbing upgrades listed must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.		
51	Food Service Equipment Replacement - Phased Project (5)	$25,000	Phase 5 of 5. Food Services Equipment Replacement - Multiple Schools	FY 17: Continuation of equipment upgrades$25,000.00 FY13: – Phase 1 Equipment upgrades are necessary in many school cafeterias. The Board of Health has cited the following schools for not meeting state code regarding 3 compartment vs. 2 compartment sinks. New sinks, disposers and grease trap upgrades-to meet state code Barbieri Elementary Potter Road Elementary Brophy Elementary Dunning Elementary Stapleton Elementary McCarthy Elementary Exhaust hood Brophy $54,000.00 FY 14: Continuation of equipment upgrades: New fire suppression systems Dunning Brophy Floor drain containment systems and basket catch Framingham High Walsh Walk-in Stapleton Serving line rehabilitation Juniper Hill $56,000.00; FY 15: Continuation of equipment upgrades: Serving line rehabilitation Potter Brophy Dunning Stapleton McCarthy Hemenway Walk-in Fuller $55,000.00; FY 16: Continuation of equipment upgrades $25,000.00; FY 17: Continuation of equipment upgrades$25,000.00	$0	2017

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Capital Budget Request FY 2013

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Request Title	Department	Priority
Study for Building Construction at Fuller/Farley	School Department	1
Category	Division	Priority
Building	Schools	1

Type	Submitter
Improvement	Matt Torti
Status	Submitter Title
Submit	Director of Buildings and Grounds

Request Description
Studies for building construction at the Fuller Middle School and Farley.

Request Justification
The Fuller Middle School was South High School, built in 1958. Farley Middle School was built in 1973 and has been occupied by MassBay Community College for the past 10 years. Proper assessment for the construction needs of both buildings as schools is required. This study is directly contingent upon the MassBay Community College lease of Farley and the School Committee's decision as to which building is more beneficial to occupy given the financial needs of the building as determined by this study and the educational needs of the District going forward.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$200,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$200,000

Proposed Funding Sources	Amount
General Fund	$200,000
	$0
	$0
	$0
	$200,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 10/24/2011

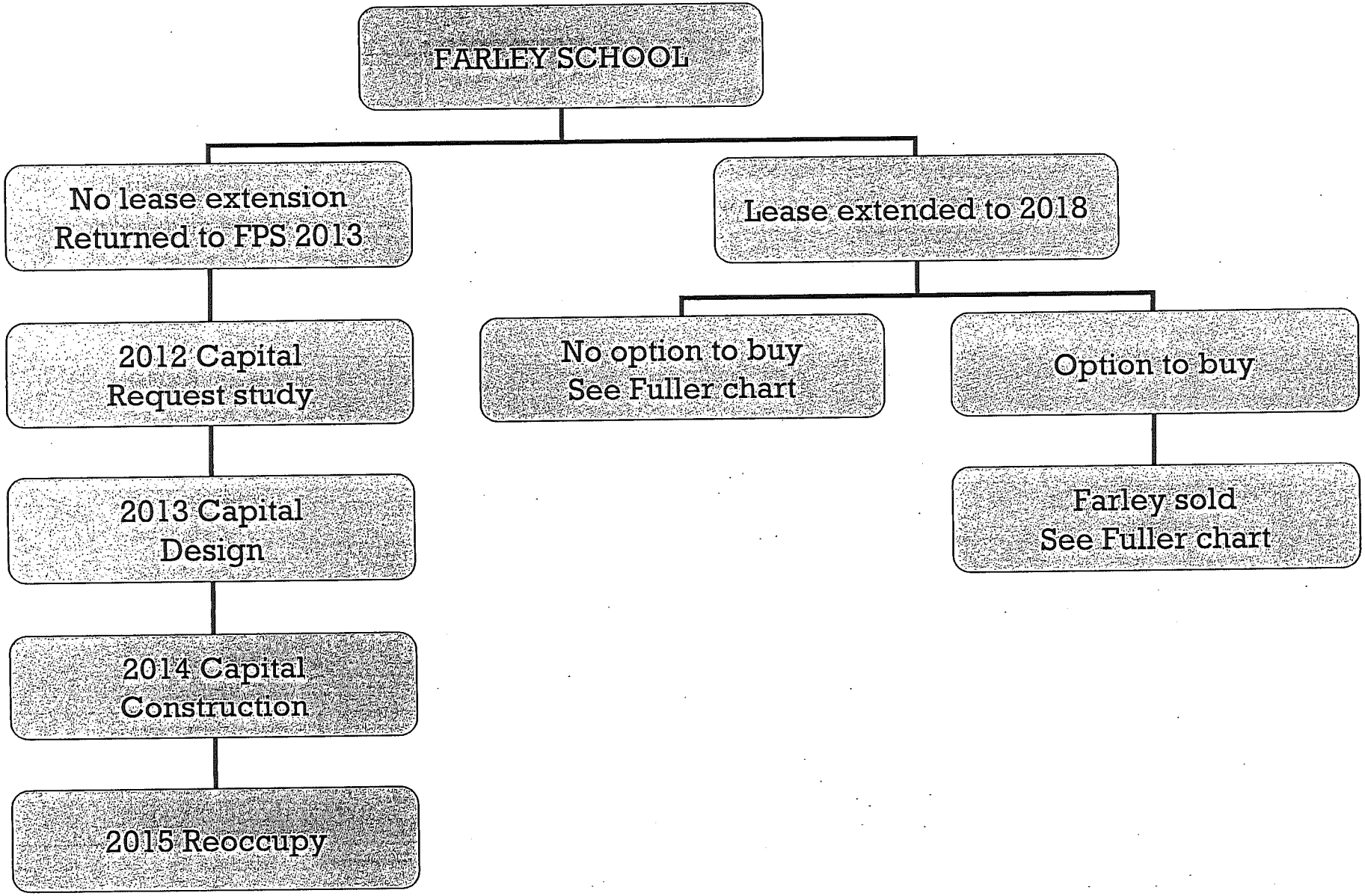
1. Study for Building Construction at Fuller/Farley

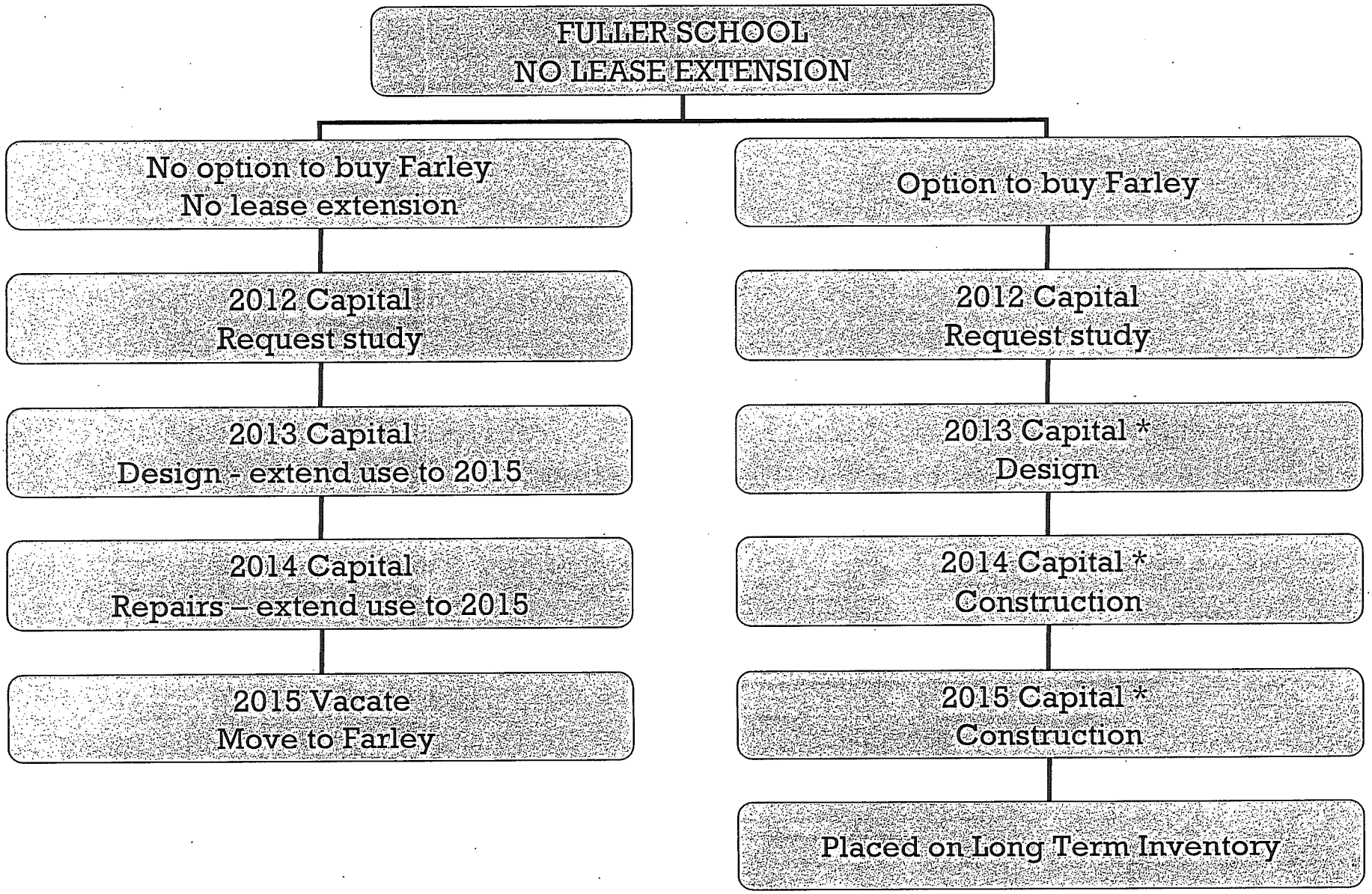
FY 13:

The Fuller Middle School was South High School, built in 1958. Farley Middle School was built in 1973 and has been occupied by MassBay Community College for the past 10 years. Proper assessment for the construction needs of both buildings as schools is required.

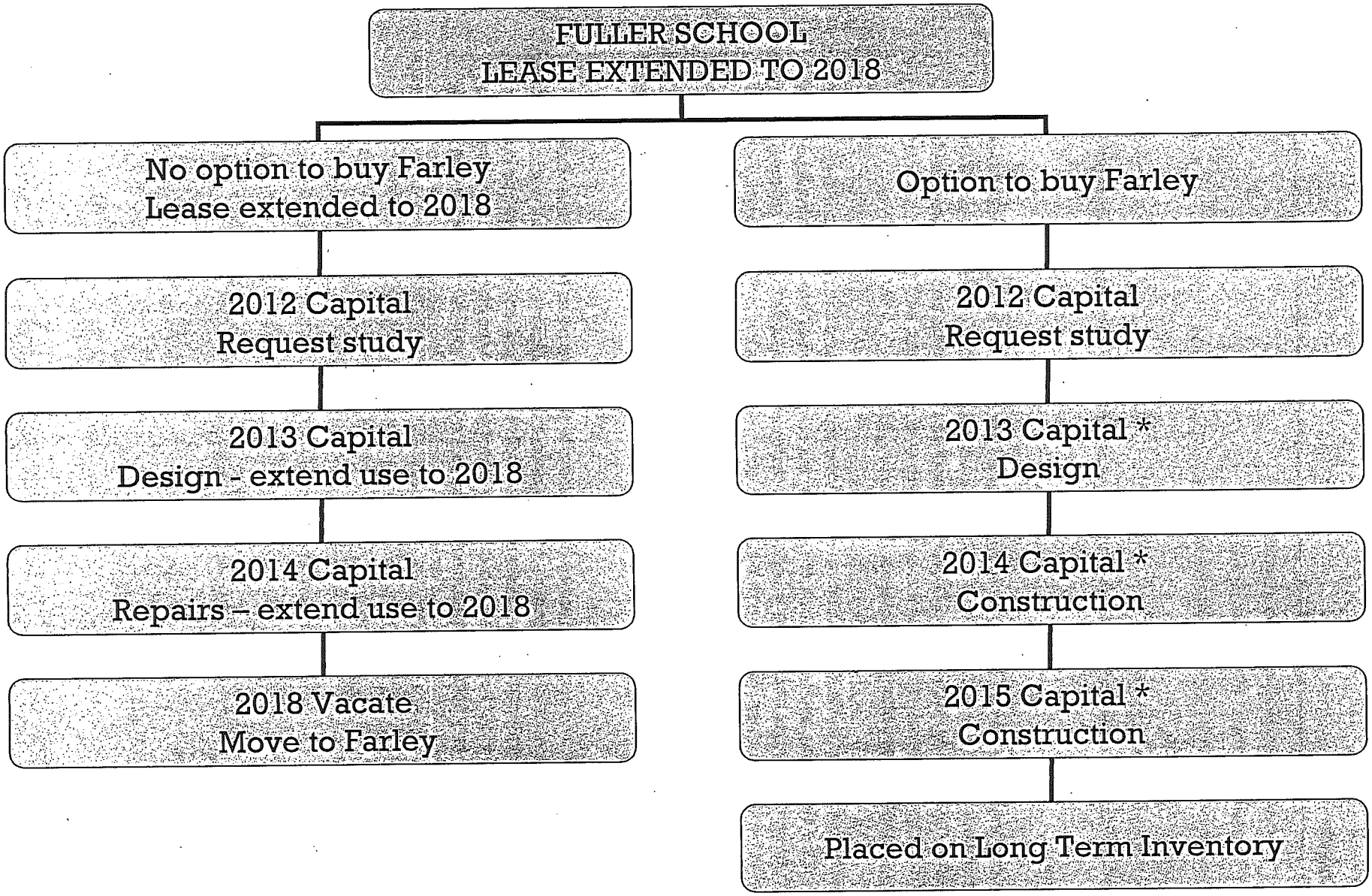
This study is directly contingent upon the MassBay Community College lease of Farley and the School Committee's decision as to which building is more beneficial to occupy given the financial needs of the building as determined by this study and the educational needs of the District going forward.

$ 200,000.00


FARLEY SCHOOL
No lease extension
Returned to FPS 2013
Lease extended to 2018
2012 Capital
Request study
No option to buy
See Fuller chart
Option to buy
2013 Capital
Design
Farley sold
See Fuller chart
2014 Capital
Construction
2015 Reoccupy



* Assumes temporary relocation of Fuller students to existing Middle Schools to allow 2 years for reconstruction of Fuller building.



* Assumes temporary relocation of Fuller students to existing Middle Schools to allow 2 years for reconstruction of Fuller building.

Ann M. O'Regan

From: Thuma, Richard [RThuma@bhplus.com]
Sent: Thursday, October 13, 2011 7:58 AM
To: Matt Torti; Ann M. O'Regan; Ernest Moreau
Cc: Bargmann, Joel
Subject: Farley & Fuller Schools
Attachments: 120,000 SF Middle School Renovation Budget.pdf; Fuller-Farley Study Budget.pdf

Matt, Ernie & Ann:

Attached is a renovation budget for a 120,000 SF Middle School. It is based on a Post-bid MSBA Project Funding Agreement for a similarly sized elementary school which includes a full auditorium renovation, 100% new mechanical systems, new kitchen, architectural finishes upgrades to classrooms and core areas (cafeteria, gymnasium, performing arts spaces, etc.), MAAB compliance upgrades (toilets, site, ramps, hardware, etc.), a new roof (rubber membrane) and site improvements (new parking lot).

The scope, I think is very similar to the school portion of the Fuller building and the Farley building. It does not include the cost of the swimming pool renovation at Farley or the renovation of the remaining 80,000 SF at Fuller. I'm sure there are other ups and downs in various line items of the budget for each school (i.e. elevators at Farley; no roof at Farley; structural repairs to slab at Fuller, etc.), but I think it is representative of the magnitude of what you'd be dealing with at either building ... probably +/- 10%.

I've also attached the study budget that I put together for you last spring. I think it is about right for what you should do. That said, I'm sure there is a way to do less and squeeze the budget. I'd be happy to go through it with you if that would be helpful.

A very interesting alternative to this approach would be to renovate the core areas of the Fuller Building (auditorium, gymnasium, kitchen, cafeteria), demolish the balance of the building and install modular buildings to house the classrooms and administrative functions of the school. I think you could reduce the budget by more than $5 million if you did that. I could set up a meeting with Triumph Modular, who did the modular classrooms at Newman Elementary School in Needham as well as a modular building project at Oak Middle School in Newton.

Let me know what else I can do to help you with this.

Thanks,

Richard Thuma
Project Director
781 223 7450 direct
rthuma@bhplus.com

bh+a
BARGMANN HENDRIE + ARCHETYPE, INC.
PROJECT MANAGEMENT SERVICES
300 A Street, Boston, MA 02210-1710
617 350 0450
www.bhplus.com

Framingham Facility Study Budget

	Fuller 200,000 SF	Farley 120,000 SF	Total
Structural Analysis	$ 10,000	$ 6,000	$ 16,000
MEP/FP	20,000	12,000	32,000
Site/Civil	5,000	5,000	10,000
Landscape	2,500	2,500	5,000
Code	5,000	5,000	10,000
HazMat	10,000	6,000	16,000
Architect	56,000	35,000	91,000
Demographic Study	10,000	-	10,000
	$ 118,500	$ 71,500	$ 190,000
Contingency			10,000
		Total	$ 200,000

120,000 SF Middle School Renovation Budget

		120,000 SF Middle School
	Feasibility Study Agreement	$ 400,000
		-
	Administration	$ 727,000
		-
	Architecture & Engineering	$ 1,824,075
	Basic Services	-
0201-0400	Design Development	366,000
0201-0500	Construction Contract Documents	732,000
0201-0600	Bidding	91,500
0201-0700	Construction Contract Administration	371,000
0201-0800	Closeout	91,500
0201-9900	Other Basic Services	42,075
	Reimbursable Services	-
0203-0100	Construction Testing	38,500
0203-0200	Printing (over minimum)	10,000
0203-9900	Other Reimbursable Costs	10,000
0204-0200	Hazardous Materials	16,500
0204-0300	Geotechnical & Geo-Environmental	15,000
0204-0400	Site Survey	40,000
0204-0500	Wetlands	-
0204-1200	Trafffic Studies	
		-
	CM @ Risk Preconstruction Services	$ 150,000
		-
	Site Acquisition	$ -
		-
	Construction	$ 19,064,745
0502-0001	Special Construction (Modular Classrooms)	-
0502-0001	Construction	-
	Division 1 General Requirements	3,292,687
	Division 2 Existing Conditions	694,494
	Division 3 Concrete	271,968
	Division 4 Masonry	311,275
	Division 5 Metals	573,779
	Division 6 Wood, Plastics & Composites	569,238
	Division 7 Thermal & Moisture Protection	1,371,900
	Division 8 Openings	359,776
	Division 9 Finishes	1,455,958
	Division 10 Specialties	124,456
	Division 11 Equipment	313,726
	Division 12 Furnishings	8,116
	Division 13 Special Construction	-

120,000 SF Middle School Renovation Budget

		Division 14 Conveying Systems	-
		Division 21 Fire Suppression	398,500
		Division 22 Plumbing	513,000
		Division 23 HVAC	3,533,000
		Division 25 Integrated Automation	-
		Division 26 Electrical	3,563,163
		Division 27 Communications	-
		Division 28 Electronic Safety & Security	-
		Division 31 Earthwork	479,545
		Division 32 Exterior Improvements	773,234
		Division 33 Utilities	456,930
			-
	Alternates		-
0506-0000			-
			-
	Construction Contingency		$ 1,680,886
0507-0000	Construction Contingency		-
			-
	Miscellaneous Project Costs		$ 122,650
0601-0000	Utility Company Fees		-
0602-0000	Testing Services		40,000
0603-0000	Swing Space/Modulars		-
0699-0000	Other Project Costs (Mailing & Moving)		82,650
			-
	Furniture Fixtures & Equipment		-
0701-0000	Furniture		-
0702-0000	Equipment		-
0703-0000	Computer Equipment		-
	Scope Excluded FFE Costs		-
			-
	Owner's Contingency		$ 655,425
0801-0000	Owner's Contingency		655,425
	Soft Costs that Exceed 20% of Construction Cost		-
			-
	MSBA Cost Total		$ 24,624,781

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Request Title	Department	Priority
Technology Upgrades Throughout District - Phased Project (2	School Department	2
Category	Division	Priority
Building	Schools	2

Type	Submitter
Improvement	Stephen Yap
Status	Submitter Title
Submit	Interim Director, Technology Department

Request Description
Phase 2 of 4 - Technology ugrades throughout the school district.

Request Justification
Phase 2: Continuation of upgrades Last year, the Framingham Public Schools Office of Technology (OT) initiated a four-year capital plan to upgrade technology hardware and software. Phase 1, in FY 2012, provided funding to purchase teacher laptops and classroom projectors. During the past summer the Office of Technology coordinated the purchase and distribution of approximately 400 teacher laptops and 250 projectors for use at the elementary, middle, and pre-school levels. Phase 2, in FY 2013, OT will purchase additional desktops and laptops, which will replace obsolete equipment at the elementary, middle, and high school levels. Many of the new desktops will be used to update computer labs. Furthermore, laptops will be distributed throughout the school district, but a high percentage will be used at the high school. Software will also be purchased with these new computers. We must continue to build on Phase One's success to move the Framingham Public Schools towards a 21st Century teaching and learning model that will provide our students and staff with the necessary skills and abilities to compete and achieve at a high level. Phase 3 FY14: Continuation of upgrades $ 500,000.00 Phase 4 FY15: Continuation of upgrades $ 500,000.00

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$500,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$500,000

Proposed Funding Sources	Amount
General Fund	$500,000
	$0
	$0
	$0
	$500,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 11/18/2011

2. Technology Upgrades Throughout District – Phased Project

Phase 2 FY13: Continuation of upgrades

Last year, the Framingham Public Schools Office of Technology (OT) initiated a four-year capital plan to upgrade technology hardware and software.

Phase 1, in FY 2012, provided funding to purchase teacher laptops and classroom projectors. During the past summer the Office of Technology coordinated the purchase and distribution of approximately 400 teacher laptops and 250 projectors for use at the elementary, middle, and pre-school levels.

Phase 2, in FY 2013, OT will purchase additional desktops and laptops, which will replace obsolete equipment at the elementary, middle, and high school levels. Many of the new desktops will be used to update computer labs. Furthermore, laptops will be distributed throughout the school district, but a high percentage will be used at the high school. Software will also be purchased with these new computers.

We must continue to build on Phase One's success to move the Framingham Public Schools towards a 21st Century teaching and learning model that will provide our students and staff with the necessary skills and abilities to compete and achieve at a high level.

$ 500,000.00

Phase 3 FY14: Continuation of upgrades **$ 500,000.00**

Phase 4 FY15: Continuation of upgrades **$ 500,000.00**

Appendix A: Classroom Technology Planning Figures

The following chart summarizes the number of teachers at each school level. A teacher is identified by each principal classifying their staff type as "teacher" in X2. This group of teachers represents, on average, classroom teachers. Not included in these numbers are guidance counselors, nurses, teacher's aides, therapists, and psychologists.

School Level	Number of teachers
Elementary	332
Middle	177
High School (FHS + Thayer Campus)	176
District Total	**685**

The figures below represent what we currently pay using the Massachusetts Statewide Contract pricing. We use these numbers as planning figures only as prices are subject to negotiation.

Technology Item	Price (for budget planning only)	Notes
Laptop computer	$959	Includes MS Office 2010. The current quoted model is a Windows 7 32-Bit, Core 2 Duo (2.1GHz) with 4GB RAM. Included is a 5 yr. warranty
Desktop computer	$1003	Includes MS Office 2010 and Adobe Digital School Collection software ($118 combined). The current quoted model is a Windows 7 32-Bit, CORE i3 2100 (3.1GHz) with 4GB RAM. Dell Professional P1911, Widescreen 19 inch monitor Included is a 5 yr. warranty
Video editing computer	$739	This machine is specially configured for video editing.
DLP projector	$460	XGA (1024 x 768) DLP projector - 2500 ANSI lumens
48-port 10/100/1Gb PoE network switch (Cisco 3750X) + 10Gb uplink module	$17,000	This type of network switch is designed for each school's uplink to the district's core switch.
48-port 10/100/1000T PoE network switch (Cisco 3560)	$6,000	This is a typical edge switch that preserves 1Gb bandwidth to the classroom.
10Gb uplink core switch (Cisco Catalyst 4510 or current equivalent) + all components	$48,000	The core switch acts as the central nervous system for a network. The high school's network is large and complex, and this switch will allocate district bandwidth efficiently.

Appendix B: Four-Year Capital Funding Strategy

The following chart summarizes our plans to update district technology over the next four years with a $500,000/year technology capital funding campaign.

Fiscal Year	Capital Request	Internal Allocation	Notes
FY12	$500,000.00	➢ 400 teacher laptops ($383,900) ➢ 247 DLP projectors ($96,083)	Purchase a laptop for every elementary and middle school classroom teacher, and provide DLP projectors for elementary and middle school to share.
FY13	$500,000.00	➢ 190 teacher laptops ($173,470) ➢ 9 desktop computer labs ($270,810)	Purchase a laptop for every high school classroom teacher. Purchase 30 desktops for 6 out of 8 (2 school labs were recently updated in 2011) elementary schools to replace outdated computer labs, and update 3 middle school technology education labs with 30 desktop computers each.
FY14	$500,000.00	➢ 100 school and district support staff laptops ($91,300) ➢ 11 desktop computer labs ($266,970) ➢ 20 principal/vice principal laptops ($18,260) ➢ FHS Video editing lab (10 computers = $7,390) ➢ 7 10Gb uplink school core network switches ($115,500)	Select FHS computer labs for update include: 2 World Language labs, E119 (Social Studies), E207 (English), 1 library lab, C109 (Math), F107 (Consumer and Family Science), and 2 Technology Education and 1 Fine Arts lab. H114 (Music) and Resiliency For Life each require 15 desktop computers. The video editing lab computers support technology education classes as well as Flyer News and school committee video clips. The 7 school core switches efficiently allocate district bandwidth to each school's Master Distribution Frame (MDF), and in turn, to each classroom.
FY15	$500,000.00	➢ 7 10Gb uplink school core network switches ($119,000) ➢ High school core switch ($48,000) ➢ 55 edge network switches ($330,000) ➢ 10 Gb modules for district core switch ($6,000)	In order to accommodate the inevitable—and likely exponential—increase in district bandwidth usage, this networking hardware increases the amount of bandwidth available at the classroom level. The core switch transmits our Internet bandwidth to each school's core switch, and then to a series of edge switches that feed bandwidth directly into each classroom.

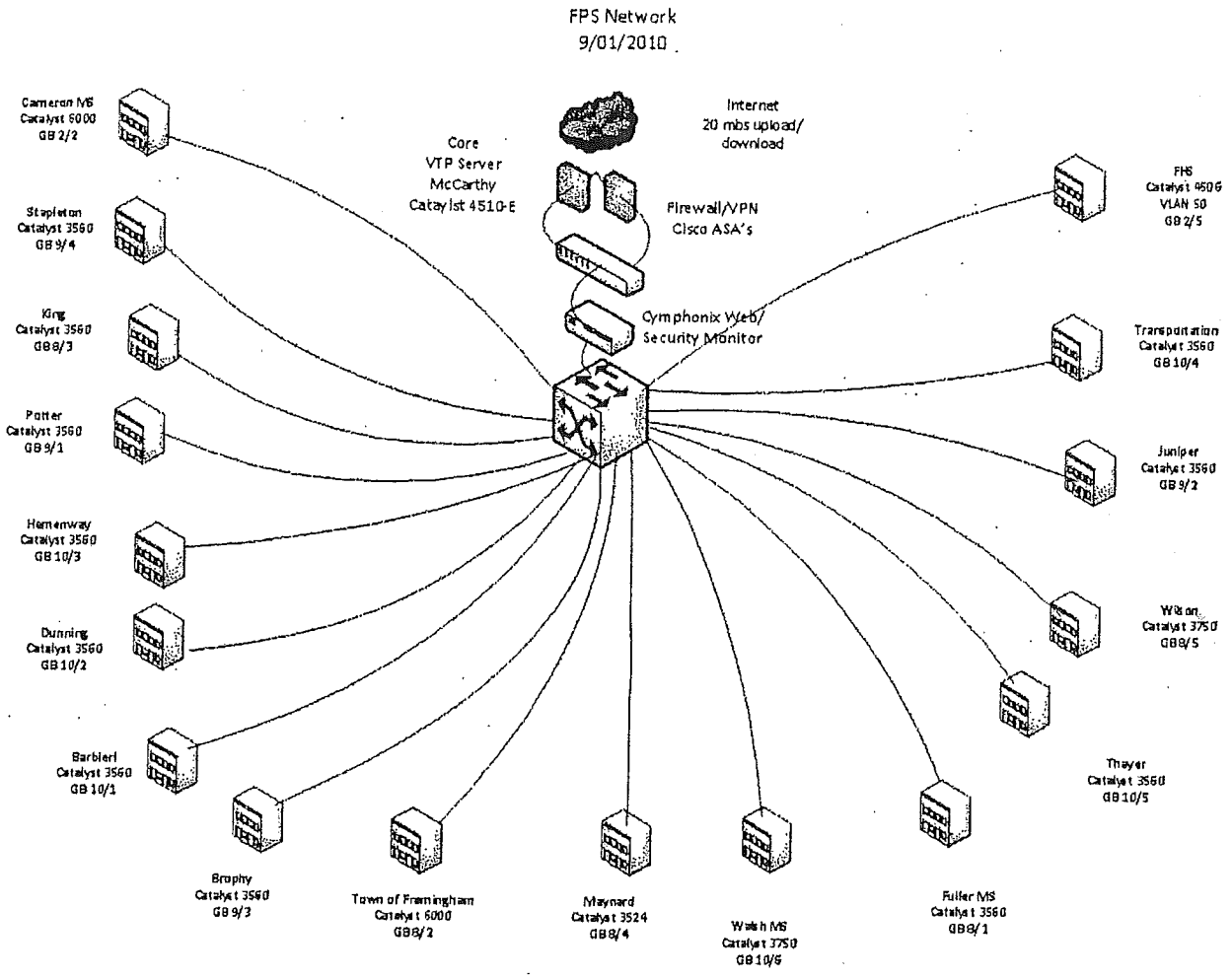
Appendix C: Computer Inventory

The following chart provides insight into the district's aging computer fleet. It is clear that the overwhelming majority of the computers in the district are older than 5 years old. The numbers are inclusive of both laptop and desktop computers. The numbers of computers < 2 years old have increased due to the purchase of laptops from FY12 capital funds.

School	# computers ≤ 2 years old	# computers > 2 years and ≤ 5 years old	# computers older than 5 years
B.L.O.C.K.S. Pre-school	19	28	7
Barbieri Elementary	40	14	84
Brophy Elementary	38	6	103
Dunning Elementary	43	9	97
Hemenway Elementary	49	12	110
McCarthy Elementary	41	64	80
Potter Road Elementary	50	22	14
Stapleton Elementary	28	27	71
Wilson Elementary	48	11	133
Cameron Middle	78	47	189
Fuller Middle	76	45	155
Walsh Middle	75	56	77
Framingham High School	62	145	378
Thayer Campus	30	7	1

Appendix D: Top-Level Network Diagram

The following network diagram displays the basic network topology from each school's MDF to the core switch located at McCarthy Elementary School.



DELL QUOTATION

QUOTE #: 590594943
Customer #: 110586236
Contract #: 74850
CustomerAgreement #: ITC16A
Quote Date: 7/12/11
Date: 7/12/11 3:09:10 PM
Customer Name: FRAMINGHAM PUBLIC SCHOOLS

TOTAL QUOTE AMOUNT:	$959.75		
Product Subtotal:	$959.75		
Tax:	$0.00		
Shipping & Handling:	$0.00		
Shipping Method:	Ground	Total Number of System Groups:	1

GROUP: 1	QUANTITY: 1	SYSTEM PRICE: $959.75	GROUP TOTAL: $959.75
Base Unit:		Dell Latitude E5420 (225-0496)	
Processor:		Intel Core i3-2310M, 2.10GHz, 3MB Cache, Dell Latitude E5420 (317-6792)	
Processor:		Intel Core i3 Processor (331-2349)	
Memory:		4.0GB, DDR3-1333MHz SDRAM, 2 DIMM, Dell Latitude (317-6239)	
Keyboard:		Internal English Keyboard, Dell Latitude E (331-1280)	
Keyboard:		Tech Setup Guide, English, Dell Latitude E5X20 (331-1369)	
Keyboard:		Cable for Internal Keyboard, Dell Latitude E5420 (331-1283)	
Keyboard:		Documentation (English/French), Dell Latitude E-Family/Mobile Precision (331-2169)	
Video Card:		Express Card, Dell Latitude E5420 (318-0668)	
Hard Drive:		250GB Hard Drive, 5400RPM, Dell Latitude E (342-2382)	
Hard Drive Controller:		Dell Touchpad with Anti-microbial protection, Dell Latitude E5420 (331-1292)	
Floppy Disk Drive:		14.0 in HD(1366x768) Anti-Glare LED-backlit, Dell Latitude E5420 (320-1927)	
Floppy Disk Drive:		LCD Cover, Dell Latitude E5420 (318-0378)	
Operating System:		Genuine Windows 7 Professional, 32-bit, No Media, Latitude, English (421-8051)	
Operating System:		Genuine Windows 7 Label, Latitude, Vostro and Mobile Precision Notebooks (330-6322)	
NIC:		Dell Wireless 375 Bluetooth Module, Dell Latitude E (430-3982)	
NIC:		Bluetooth Cable, Dell Latitude E5X20 (331-2148)	
Modem:		No Modem for Latitude E-Family (313-9606)	
TBU:		90W 3-Pin, AC Adapter, Dell Latitude E (331-1719)	
TBU:		US - 3 foot Flat Power Cord, Dell Latitude (330-4016)	
TBU:		Regulatory Label, Dell Latitude E5420 (331-1991)	
CD-ROM or DVD-ROM Drive:		Cyberlink Power DVD 9.5,No Media, Dell OptiPlex, Latitude and Precision Workstation (421-4370)	
CD-ROM or DVD-ROM Drive:		Roxio Creator Starter,No Media,Dell OptiPlex, Latitude and Precision Workstation (421-4539)	
CD-ROM or DVD-ROM Drive:		8X DVD+/-RW Bezel, Dell Latitude E5X20 (318-0403)	
CD-ROM or DVD-ROM Drive:		8X DVD+/-RW, Dell Latitude E (318-0373)	
Sound Card:		Dell Webcam Central Software Dell Latitude/Mobile Precision (421-1201)	
Sound Card:		Integrated webcam with single digital microphone, Dell Latitude E5420 (318-0375)	
Processor Cable:		Dell WLAN 1501 (802.11b/g/n) 1/2 MiniCard, Dell Latitude E (430-3973)	
Bundled Software:		No Productivity Software,Dell OptiPlex,Precision and Latitude (421-3872)	
Feature		6-Cell (60WH) Primary Lithium Ion Battery for Latitude (312-1151)	

Feature	Neoprene Sleeve 14 inch for Latitude E/Mobile Precision (330-0890)
~~Service:~~	~~Dell Limited Hardware Warranty Plus Service Extended Year(s) (934-7178)~~
Service:	Dell Limited Hardware Warranty Plus Service Initial Year (929-0417)
Service:	ProSupport: Next Business Day Limited Onsite Service After Remote Diagnosis 4 Year Extended (926-7004)
Service:	ProSupport: Next Business Day Limited Onsite Service After Remote Diagnosis Initial Year (939-1570)
Service:	Thank you choosing Dell ProSupport. For tech support, visit http://support.dell.com/ProSupport or call 1-866-5 (989-3449)
Service:	ProSupport: 7x24 Technical Support, 4 Year Extended (928-8524)
Service:	ProSupport: 7x24 Technical Support, Initial (956-5320)
Support:	Accidental Damage Service, 5 Year (926-7124)
Support:	Info, Complete Care (988-7689)
Misc:	Energy Star Enabled/E-PEAT/Gold, Latitude E5420 (331-1434)
	CFI Routing SKU (365-0257)
	CFI,Fee,Integrated,Image, Direct (366-1076)
	CFI,Rollup,Custom Project,Fee for ESLH (366-1551)
	CFI,Information Client,Only (371-0941)
	CFI,Software,Image,Quick Image,Titan,Factory Install (372-9740)
	CFI,Information,CSRouting,Eligible,Factory Install (375-3088)
	CFI,Information,WIN7,PRO32,ONLY,Factory Install (375-4203)
	CFI,Information,IMGDRCT,WIN7,32BIT,Factory Install (375-4910)

SALES REP:	Tawna Corley | Fax 512-283-9840	PHONE:	1-866-537-0706
Email Address:	Tawna_Corley@dell.com	Phone Ext:	513.9157

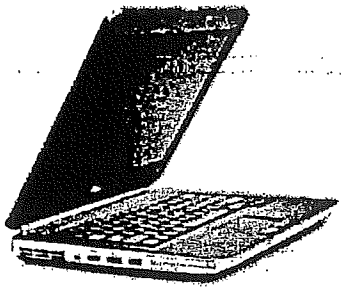
Please review this quote carefully. If complete and accurate, you may place your order online at www.dell.com/qto (use quote number above). POs and payments should be made to *Dell Marketing L.P.*

If you do not have a separate agreement with Dell that applies to your order, please refer to www.dell.com/terms as follows:

If purchasing for your internal use, your order will be subject to *Dell's Terms and Conditions of Sale-Direct* including Dell's U.S. Return Policy, at www.dell.com/returnpolicy#total. If purchasing for resale, your order will be subject to *Dell's Terms and Condition of Sale for Persons or Entities Purchasing to Resell*, and other terms of Dell's PartnerDirect program at www.dell.com/partner. If your order includes services, visit www.dell.com/servicecontracts for service descriptions and terms.

Quote information is valid for U.S. customers and U.S. addresses only, and is subject to change. Sales tax on products shipped is based on "Ship To" address, and for downloads is based on "Bill To" address. Please indicate any tax-exempt status on your PO, and fax your exemption certificate, with seller listed as *Dell Marketing L.P*, to Dell's Tax Department at 800-433-9023. Please include your Customer Number.

For certain products shipped to end-users in California, a State Environmental Fee will be applied. For Asset Recovery/Recycling Services, visit www.dell.com/assetrecovery.



DELL™ LATITUDE™ E5420

When you need to take your office with you, the Dell Latitude E5420 laptop can perform wherever you need to work. The newly redesigned Latitude E5420 offers productive mobility with its 14.0" HD, WLED screen that is ideal for professionals looking for a budget-friendly blend of mobility and at-your-desk computing.

Ready for whatever your work might dish out, this highly durable laptop is stylishly armored top to bottom with a hard-wearing Tri-Metal™ casing, a brushed aluminum display back and reinforced, barrel hinge for strength and greater stability.

On the inside, the Latitude E5420 is equipped with a protective LCD seal and 360 degree bumper for added screen protection, a spill-resistant keyboard and a magnesium alloy internal structure for increased system rigidity and strength that will outlast the bumps and spills of everyday work.

You can enjoy outstanding productivity with the optional backlit[11] keyboard, ideal for in flight use or in low light settings and wide array of long life battery options to help keep productivity in full swing.

As a member of the Latitude E-Family, the E5420 provides go anywhere productivity, confident security and efficient manageability in a durable design that's built to last - all that you've come to expect from the Latitude E-Family.

Built to Last Durability

Doing business today means working anytime, anywhere. You need a laptop to keep up with your work style. Latitude E-Family laptops combine world-class design with durability to perform, wherever business takes you.

- Look sharp while working hard thanks to the Dell Tri-Metal™ casing with an anodized, brushed aluminum finish.
- Worry less about making a mess with the spill-resistant keyboard and LCD protective bumper and seal that helps to form a barrier around your LCD panel when closed.
- Appreciate the fine details, from strong steel hinges and rugged closing latch to the durable powder-coated underside that helps guard against nicks and scratches.

Go-Anywhere Productivity

Get long-lasting power and performance to make your job easier, whether you are in the office or on the road. Latitude E-Family laptops are built with your business in mind, offering great features to help increase productivity.

- Stay productive with long-life battery options.
- Multitask at the speed of business with Intel® Core™ processor options and high-bandwidth DDR3 memory.
- Communicate effectively worldwide with optional built-in webcam, array microphones and a high-performing antenna for ideal mobile broadband connections (optional).
- Work in your comfort zone with 180-degree LCD movement and optional backlit[11] keyboard for low-light environments.

Confident Security

Enjoy seamless integration into your IT environment and rest easy knowing that Latitude E-Family laptops—and your company data—are secure and protected anywhere in the world.

- Know your data is secure with Dell's Data Protection | Encryption and protect your data from the unexpected mishaps with Dell Fast Response Free-Fall Sensor and StrikeZone™.
- Control who has access to your data with Dell Data Protection | Access, contactless smart card and fingerprint reader login access options.
- Help prevent system viruses and contain data leaks with port control options.

Efficient Manageability

Manage and maintain your fleet of Latitude E-Family laptops with ease from planning and deploying to ongoing maintenance and support.

- Confidently plan future product roll-outs with Dell Latitude's long lifecycles, transitions and ImageWatch™ advance look at software and hardware changes.
- Upgrade or service key components conveniently via one single access door.
- Save time and money with Dell KACE™ easy to use systems management appliances.
- Know you have a partner with Dell for maintaining and supporting your systems with a wide range of customizable and globally focused service and support options.

Feature	E5420
Processor Options	Intel® Core™ i3, i5 and i7 processors
Operating System Options	Genuine Windows® 7 Home Premium Genuine Windows® 7 Professional Genuine Windows® 7 Ultimate Genuine Windows Vista® Ultimate Genuine Windows Vista® Business Genuine Windows Vista® Home Basic Linux Ubuntu 10.10
Memory[6]	DDR3 SDRAM (1333 MHz) 2 slots supporting 1G[11], 2G or 4GB DIMMs
Chipset	Mobile Intel® HM65 Express Chipset
Graphics[7]	Intel® HD Graphics 3000
Display Options	14.0" HD (1366x768) Anti-Glare LED 14.0" HD+ (1600x900) Anti-Glare LED
Primary Storage[8] Options	7200 rpm SATA up to 500GB Encrypted 7200 rpm 320GB[12] Mobility Solid State up to 256GB Dell Fast Response Free Fall Sensor (standard on the motherboard)
Optical Drive Options	DVD-ROM, DVD+/-RW
Multimedia Options	High Quality Speakers Stereo headphone/Microphone combo jack Integrated, noise reducing array microphones Optional Integrated full HD video webcam and Dell Webcam Central software
Battery Options	4-cell (40Whr) Lithium Ion battery 6-cell (60Wh) Lithium Ion battery 9-cell (97Wh) Lithium Ion battery[13] 9-cell (97Wh) 3 Year Limited Hardware Warranty Battery Lithium Ion battery
Power Options	65 Watt or 90W AC Adapter 90W Auto/Air DC adapter (optional)
Connectivity Options	10/100/1000 Gigabit Ethernet **Wireless LAN and WiMAX Options:** Intel® Centrino® Advanced-N 6205; Intel® Centrino® Advanced -N + WiMAX 6250[13]; Intel® Centrino® Ultimate-N 6300; Dell Wireless 1501 (802.11 b/g/n 1x1); Dell Wireless 1530 (802.11 a/g/n 2x2) **Mobile Broadband[2] & GPS Options[11]:** Dell Wireless™ 5630 Multi-mode HSPA-EVDO Mini Card (Gobi™ 3000) with A-GPS; Dell Wireless™ 5550 Single-mode HSPA Mini Card with A-GPS **Bluetooth Option:** Dell Wireless 375 Bluetooth® 3.0
Ports, Slots & Chassis	Network connector (RJ-45); USB 2.0 (4) – 1 USB/eSATA combo; Stereo headphone/ Microphone combo jack, Memory card reader, 54 mm ExpressCard, 1394, Docking Connector, VGA, HDMI, 1 Full and 2 Half Mini Card Slots, Optional SmartCard Reader, PC Card, integrated modem (RJ-11) option, TPM 1.2[11]
Input Device Options	Integrated Single pointing or Dual Pointing Keyboard: Standard or Backlit[11]; Multi-touch Touchpad
Systems Management	DASH 1.1; Dell KACE™ systems management appliances option
Dimensions & Weight[9]:	Width: 13.78" / 350mm; Height: (front/back) 1.18"/29.90 to 1.28"/32.5mm; Depth: 9.45" / 240mm; Starting weight: 4.50lbs / 2.04kg (with 4-cell battery and airbay)
Regulatory / Environ-mental Compliance	Regulatory Model: P16G; Regulatory Type: P16G001; Energy Star 5.0; EPEAT Gold

1 Where wireless access is available. Additional access charges apply in some locations.
2 Mobile Broadband: Subject to wireless provider's broadband subscription and coverage area; additional charges apply.
3 Based on lab testing. Varies by configuration, operating conditions and other factors. Maximum battery capacity decreases with time and use.
4 Remote Diagnosis is determination by online/phone technician of cause of issue, may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty (www.dell.com/warranty) and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.
5 Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicedescriptions.
6 A 64-bit operating system is required to support 4GB or more of system memory.
7 Significant system memory may be used to support graphics, depending on system memory size and other factors.
8 GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
9 Based on preliminary Dell lab testing. Weights vary depending on configuration and manufacturing variability.
10 Service may be provided by third party. Availability limited. Other conditions apply. See www.dell.com/mtrvr for current list of eligible systems and selected countries. External devices excluded, availability of specific parts varies in each country.
11 Offered in select countries.
12 Not offered in China.
13 Not offered in Asia Pacific / Japan

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DELL QUOTATION

QUOTE #: 599485780
Customer #: 110586236
Contract #: 74850
CustomerAgreement #: ITC16A
Quote Date: 10/3/11
Date: 10/3/11 3:58:00 PM
Customer Name: FRAMINGHAM PUBLIC SCHOOLS

TOTAL QUOTE AMOUNT:	$885.00		
Product Subtotal:	$885.00		
Tax:	$0.00		
Shipping & Handling:	$0.00		
Shipping Method:	Ground	Total Number of System Groups:	1

GROUP: 1	QUANTITY: 1	SYSTEM PRICE: $885.00	GROUP TOTAL: $885.00
Base Unit:		OptiPlex 790 Desktop Base,Standard PSU (225-0772)	
Processor:		Opti 790,CORE I3 2100 Processor (3.1GHz, 3M) (317-6647)	
Memory:		4GB,Non-ECC,1333MHz DDR3,2X2GB,Dell OptiPlex 990 (317-6987)	
Keyboard:		Dell USB Entry Keyboard, No Hot Keys, English, OptiPlex (331-2024)	
Monitor:		Dell Professional P1911,Widescreen,19in Viewable Image Size,VGA/ DVI,OptiPlex,Precision and Latitude (320-2261)	
Video Card:		Integrated Video,HD Graphics 2000, Dell Optiplex 790 (320-2520)	
Hard Drive:		250GB SATA 6.0Gb/s and 8MB Data Burst Cache,Dell OptiPlex (342-2453)	
Operating System:		Windows 7 Professional,No Media, 32-bit, Optiplex, English (421-5578)	
Operating System:		Windows 7 Label, Optiplex, Fixed Precision, Vostro Desktop (330-6228)	
Operating System:		Dell Client System Update (Updates latest Dell Recommended BIOS, Drivers, Firmware and Apps),OptiPlex (421-5334)	
Mouse:		Dell MS111 USB Optical Mouse,OptiPlex and Fixed Precision (330-9458)	
NIC:		Intel Standard Manageability, Dell OptiPlex 790 (331-2680)	
CD-ROM or DVD-ROM Drive:		16X DVD+/-RW SATA,Data Only,Dell OptiPlex 790 Desktop or Minitower,Black (318-0623)	
CD-ROM or DVD-ROM Drive:		Roxio Creator Starter,Media, Dell OptiPlex, Latitude and Precision Workstation (421-4540)	
CD-ROM or DVD-ROM Drive:		Cyberlink Power DVD 9.5.1,Media, Dell OptiPlex, Latitude and Precision Workstation (421-5095)	
Sound Card:		Heat Sink, Mainstream, Dell OptiPlex 790 Desktop (317-6620)	
Speakers:		Dell AX510 black Sound Bar forUltraSharp Flat Panel DisplaysDell Optiplex/Precision/ Latitude (313-6414)	
Cable:		Enable Low Power Mode for EUP Compliance,Dell OptiPlex (330-7422)	
Cable:		Dell Data Protection Access,OptiPlex (421-5078)	
Cable:		OptiPlex 790 Desktop Standard Power Supply (318-0872)	
Cable:		Regulatory Label,Dell OptiPlex 790 Desktop (331-2678)	
Documentation Diskette:		Documentation,English and French,Dell OptiPlex (331-2030)	
Documentation Diskette:		Power Cord,125V,2M,C13,Dell OptiPlex (330-1711)	
Bundled Software:		No Productivity Software,Dell OptiPlex,Precision and Latitude (421-3872)	
Factory Installed Software:		No Dell Energy Smart Power Management Settings,This Item is Not EStar Qualified,OptiPlex (467-3564)	
Feature		No Resource DVD for Dell Optiplex, Latitude, Precision (313-3673)	

Service:	Dell Limited Hardware Warranty Plus Service Extended Year(s) (935-2478)
~~Service:~~	~~Dell Limited Hardware Warranty Plus Service Initial Year (929-6637)~~
Service:	ProSupport: Next Business Day Limited Onsite Service After Remote Diagnosis 4 Year Extended (927-1344)
Service:	ProSupport: Next Business Day Limited Onsite Service After Remote Diagnosis Initial Year (951-7530)
Service:	Thank you choosing Dell ProSupport. For tech support, visit http://support.dell.com/ProSupport or call 1-866-5 (989-3449)
Service:	ProSupport : 7x24 Technical Support , 4 Year Extended (980-7464)
Service:	ProSupport : 7x24 Technical Support , Initial (984-6640)
Installation:	Standard On-Site Installation Declined (900-9987)
Misc:	No Quick Reference Guide,Dell OptiPlex (310-9444)
Misc:	Shipping Material for System,Desktop,Dell OptiPlex 990 (331-1269)
	CFI Routing SKU (365-0257)
	CFI,Fee,Integrated,Image, Direct (366-1076)
	CFI,Rollup,Custom Project,Fee for ESLH (366-1551)
	CFI,Information Client,Only (371-0941)
	CFI,Software,Image,Quick Image,Titan,Factory Install (372-9740)
	CFI,Information,CSRouting,Eligible,Factory Install (375-3088)
	CFI,Information,WIN7,PRO32,ONLY,Factory Install (375-4203)
	CFI,Information,IMGDRCT,WIN7,32BIT,Factory Install (375-4910)

SALES REP:	Tawna Corley | Fax 512-283-9840	PHONE:	1-866-537-0706
Email Address:	Tawna_Corley@dell.com	Phone Ext:	513.9157

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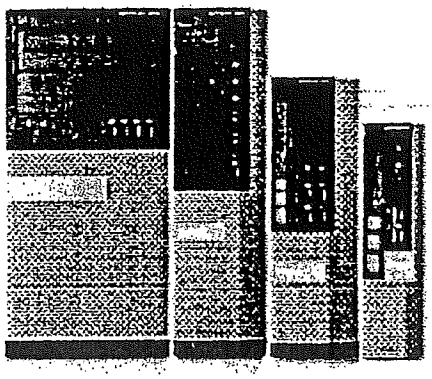

The power to do more

Dell™ OptiPlex™ 790 desktop

The OptiPlex 790 flexible desktop solution is designed for advanced performance and efficient collaboration. It enables business-class control that helps ensure IT saves time and money and the remote management technology also helps simplify systems management and protect your data. Dell OptiPlex 790 is available in four different chassis sizes that blend seamlessly into office environments and respect our planet.

Flexible and environmentally conscious design

The completely redesigned form factors are amongst the smallest within their categories. The mini-tower, desktop and small form factor chassis have been optimized to help maximize desk space and ensure the systems integrate seamlessly in virtually any office environment. The Dell OptiPlex 790 also shares the same visual identity as OptiPlex 990 and 390 to offer a more consistent look across the OptiPlex portfolio and two All-in-One stands enable deployment as a single device with up to 24" displays. Accessibility and serviceability are easy thanks to the convenient side-latch mechanism which makes access to key system components for upgrades and services fast and easy. The form-factor flexibility has also been designed with our planet in mind. The systems all have a minimum of 10% post-consumed recycled plastic enclosure and offer 90% efficient power supplies option. Starting with OptiPlex small form factor Dell also provides recyclable packaging. By using post-consumed recycled plastic content in the chassis of more models, the new generation of OptiPlex is Dell's most environmentally responsible commercial desktop offering.

Advanced performance and productivity

The OptiPlex 790 delivers great performance and features nearly the same performance as OptiPlex 990 which is the most powerful OptiPlex ever. Enable your workforce with cutting-edge productivity tools such as the advanced 2nd generation Intel® Core™ i7 processor featuring generous high-speed memory options and support for up to four simultaneous video displays across small-form factor, desktop and minitower chassis with dual PCI-express slots. The OptiPlex 790 also supports flexible desktop virtualization deployment models to help users get up and running fast and have their data centrally stored to avoid downtime. OptiPlex 790 supported virtualization solutions range from virtual remote desktop control to on-demand desktop streaming or client hosted virtualization.

Business-class control

The OptiPlex 790 is equipped with Intel Standard Management technology enabling efficient remote system management that helps managing many systems simultaneously; along with the Dell Data Protection security capabilities such as one-touch preset compliance policy templates, flexible encryption and single solution for system disk as well as removable medias that work in your unique environment. A business-class range of security and management options which allows security and remote control configurations to meet large organizations unique needs and challenges. Dell KACE system management appliances are fully-compatible with the OptiPlex 790 desktops enabling easy deployment of remote manageability and maintenance simplification. The OptiPlex technological assets are backed with proven professional IT services and support worldwide, ranging from deployment to maintenance or web solutions to help IT to simplify their daily tasks. The OptiPlex platform commitment to stability, long-lifecycle and managed transitions also help ensure IT to save time and money.

Dell OptiPlex 790

designed to deliver advanced productivity and business-class control to help IT save time and money.

OptiPlex 790 Technical Specifications

Processors[1]	Intel® 2nd Generation Core™ i7, i5, i3 Processors.
Chipset	Intel® Q65 Express Chipset
Operating System Options	Microsoft® Windows 7® Home Basic (32/ 64 bit),Microsoft® Windows 7® Home Premium (32/64 bit), Microsoft® Windows 7® Professional (32/64 bit), Microsoft® Windows 7® Ultimate (32/64 bit) Windows Vista® Home Basic SP2 (32/64 bit), Windows Vista® Business SP2 (32/64 bit), Windows Vista® Ultimate SP2 (32 bit) Ubuntu® Linux (select countries), FreeDOS for N-series
Video[2]	Integrated Intel® HD Graphics 2000 (with iCore Dual/Quad core class CPU-GPU combo); optional 1GB AMD RADEON HD 6450; optional 512MB AMD RADEON HD 6350
Memory[3]	Up to four DIMM slots, Non-ECC dual-channel 1333MHz DDR3 SDRAM, up to 16GB
Networking	Integrated Intel® 82579LM Ethernet LAN 10/100/1000, optional Broadcom® NetXtreme® 10/100/1000 PCIe card optional Dell Wireless 1520 PCIe (MT, DT, SFF); optional half-mini PCIe (USFF) WLAN card (802.11n)
I/O Ports	10 External USB 2.0 ports and 1 Internal USB 2.0 (MT & DT only):1 Serial; 1 RJ-45; 1 VGA; 1 DisplayPort 2 PS/2; 2 Line-in (stereo/microphone), 2 Line-out (headphone/speaker), optional Parallel/2nd Serial PCIe card (MT), optional 2nd Serial PCIe card (DT & SFF), optional 1394a PCI card (MT & DT, available from middle May 2011), optional USB 3.0 PCIe card
Removable Media Options	DVD+/-RW; DVD-ROM; Dell 19 in 1 Media Card Reader (MT & DT only)
Hard Drives[4] Options	3.5" Hard Drives up to 1TB 7200 RPM SATA 3.0Gb/s; 2.5" Hard Drives: up to 500GB 7200 RPM SATA 3.0GB/s, 500GB Hybrid, 320GB 7200 RPM Opal SED 128GB Solid State Drive Supports Dell's Flexible Computing Solution diskless option

Chassis

	Minitower (MT)	Desktop (DT)	Small Form Factor (SFF)	Ultra Small Form Factor (USFF)
Dimensions (H x W x D) inches/(cm)	14.2 x 6.9 x 16.4 / (36.0 x 17.5 x 41.7)	14.2 x 4.0 x 16.1 / (36.0 x 10.2 x 41.0)	11.4 x 3.7 x 12.3 / (29.0 x 9.3 x 31.2)	9.3 x 2.6 x 9.4 / (23.7 x 6.5 x 24)
Min. Weight (lbs/kg)	19.55/8.87	16.67/7.56	12.57/5.7	7.20 / 3.27
Number of Bays	2 internal 3.5" 2 external 5.25"	1 internal 3.5" 1 external 5.25"	1 internal 3.5" 1 external 5.25" (slimline)	1 internal 2.5" 1 external 5.25" (slimline)
Expansion Slots	1 full height PCIe x16 1 full height PCIe x16 (wired x 4) 1 full height PCIe x1 1 full height PCI	1 half height PCIe x16 1 half height PCIe x16 (wired x 4) 1 half height PCIe x1 1 half height PCI	1 half height PCIe x16 1 half height PCIe x16 (wired x 4)	1 miniPCIe connector
Power Supply[5] Unit (PSU)	Standard 265W PSU or optional 265W up to 90% Efficient PSU; Energy Star 5.0 compliant, Active PFC	Standard 250W PSU or optional 250W up to 90% Efficient PSU, Energy Star 5.0 compliant, Active PFC	Standard 240W PSU or optional 240W up to 90% Efficient PSU, Energy Star 5.0 compliant, Active PFC	200W up to 90% Efficient PSU, ENERGY STAR® 5.0 compliant, Active PFC

Peripherals Options	Monitors Dell Entry Standard and Widescreen Flat Panel Analog Dell E170S, E190S, E1709W, E1910, E1911, E2011H, E2210H, E2211H, E2311H Dell Professional Digital Standard and Widescreen Flat Panel. Dell P170S, P190S, P1911, P2011H, P2210, P2211H, P2311H, P2411H Dell UltraSharp Digital Standard and Widescreen Flat Panel, Adjustable Stand: Dell 2007FP, U2211H, U2311H, U2410, U2711, U3011
	Keyboards: Dell USB Entry Keyboard, Dell Multimedia Pro Keyboard, Dell Smartcard Keyboard
	Mouse Dell USB Optical Mouse, Dell Laser Mouse
	Audio Speakers. Internal Dell Business audio speaker, Dell AX210 2.0 and AY410 2.1 Desktop Speakers; Dell AX510 and AX510PA Sound Bar Speakers
Security	Trusted Platform Module[6] (TPM) 1.2, Dell Data Protection / Access, Chassis lock slot support, optional Chassis Intrusion Switch, Setup/BIOS Password, I/O Interface Security, optional Smart Card keyboards, Intel® Trusted Execution Technology, BIOS support for optional Computrace[7]
Systems Management Options[8]	Intel® Standard Manageability, No Out of Band Systems Management
Environmental, Ergonomic, & Regulatory Standards	Environmental Standards (eco-labels): Energy Star 5.0, EPEAT Registered (see epeat.net for registration status by country). CECP, TCO, WEEE, Japan Energy Law, Japan Green PC, South Korea Eco-label, EU RoHS, China RoHS, Blue Angel Other Environmental Options: Dell Energy Smart settings, Carbon Off-set Program, System Recycle (Asset Recovery Service)
Warranty	Limited Hardware Warranty[9], Standard 3-year Next Business Day On Site Service after Remote Diagnosis[10] (3-3-3); Optional 3-year Dell ProSupport™ for IT, 4 year and 5 year service and support options[11]

Your business-class desktops at dell.com/optiplex

*Important Information. Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty and not resolved remotely technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply. For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see www.dell.com/warranty.

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OptiPlex 790

DELL QUOTATION

QUOTE #: 589589849
Customer #: 110586236
Contract #: 10ACV
CustomerAgreement #: ITS 42
Quote Date: 7/1/11
Date: 7/1/11 7:57:48 AM
Customer Name: FRAMINGHAM PUBLIC SCHOOLS

TOTAL QUOTE AMOUNT:	$59.86		
Product Subtotal:	$59.86		
Tax:	$0.00		
Shipping & Handling:	$0.00		
Shipping Method:	3rd Day	Total Number of System Groups:	0

SOFTWARE & ACCESSORIES

Product	Quantity	Unit Price	Total
CS Adobe- Digital School Collection 9.0 WIN License CLP 5.0 Level 3 (A4620233)	1	$47.91	$47.91
Digital School Collection UE 2Y 15M 1 USER LVL3 (A5184031)	1	$11.95	$11.95
Number of S & A Items: 2		S&A Total Amount: $59.86	

COMMENTS

CLP 4400219476

JULY 1 - SEPT 30

SALES REP:	Tawna Corley | Fax 512-283-9840	PHONE:	1-866-537-0706
Email Address:	Tawna_Corley@dell.com	Phone Ext:	513.9157

Please review this quote carefully. If complete and accurate, you may place your order online at www.dell.com/qto (use quote number above). POs and payments should be made to *Dell Marketing L.P.*

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DELL QUOTATION

QUOTE #: 590599263
Customer #: 98596190
Contract #: 10ACV
CustomerAgreement #: ITS 42
Quote Date: 7/12/11
Date: 7/12/11 3:09:51 PM
Customer Name: MA-K FRAMINGHAM SCHOOL DEPT

TOTAL QUOTE AMOUNT:	$49.94		
Product Subtotal:	$49.94		
Tax:	$0.00		
Shipping & Handling:	$0.00		
Shipping Method:	Ground	Total Number of System Groups:	0

SOFTWARE & ACCESSORIES

Product	Quantity	Unit Price	Total
VLA OFFICE PRO PLUS 2010 ALL LANGUAGES (A3746778)	1	$49.94	$49.94
ELECTRONIC LICENSE CONFIRMATION elec dwnld only (A3458532)	1	$0.00	$0.00
Number of S & A Items: 2		S&A Total Amount: $49.94	

SALES REP:	Tawna Corley | Fax 512-283-9840	PHONE:	1-866-537-0706
Email Address:	Tawna_Corley@dell.com	Phone Ext:	513.9157

Please review this quote carefully. If complete and accurate, you may place your order online at www.dell.com/qto (use quote number above). POs and payments should be made to *Dell Marketing L.P.*

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Capital Budget Request FY 2013

Back

Request Title	Department	Priority
DDC Energy Conservation Program - Phased Project (6)	School Department	3
Category	Division	Priority
Equipment (Non-Rolling)	Schools	3

Type	Submitter
New	Matthew Torti
Status	Submitter Title
Submit	Director, Buildings and Grounds Department

Request Description
Phase 6 of 7. DDC Engergy Conservation Program - Phased Project 6 of 7 and 7 of 7.

Request Justification
DDC Energy Conservation Program – Phased Project Phase 6 of 7 FY 13: Installation of DDC at three schools consists of the following: • Barbieri • Potter Road • Brophy All installations will require equipment, interface hardware, installation labor, software modifications and replacement valves or actuators for the hot water coils. Once the major equipment has been upgraded, we should replace any remaining pneumatic controls on devices such as unit heaters, radiation valves or combustion air dampers with DDC. This will allow the Framingham Public Schools to eliminate the air compressors, which will provide additional energy savings, maintenance savings and will further simplify the operation and maintenance of the schools. The projected amount of energy savings resulting from installation of DDC controls in FY13 (Phase 6) is $36,436.00. This project is also eligible for rebate programs estimated to be $22,000.00 for FY13. $300,000.00 Phase 7 of 7 FY14: Stapleton work consists of DDC on 1 AHU and 36 univents. $200,000.00

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$300,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$300,000

Proposed Funding Sources	Amount
General Fund	$300,000
	$0
	$0
	$0
	$300,000

Estimated Operating Budget Annual Cost
$58,436
Explanation for Operating Budget Costs
Phase 6 savings estimated at $58,436.00 (22,500 KWH and 22,191 Therms). Vendor estimated (using costs of $.014/KWH and $1.50/Therm) annual savings of $36,436. This project is also eligible for a rebate program with an estimated value of $22,000.00.

Printed 11/18/2011

3. DDC Energy Conservation Program – Phased Project

Phase 6 of 7 FY 13:

Installation of DDC at three schools consists of the following:

- Barbieri
- Potter Road
- Brophy

All installations will require equipment, interface hardware, installation labor, software modifications and replacement valves or actuators for the hot water coils.

Once the major equipment has been upgraded, we should replace any remaining pneumatic controls on devices such as unit heaters, radiation valves or combustion air dampers with DDC. This will allow the Framingham Public Schools to eliminate the air compressors, which will provide additional energy savings, maintenance savings and will further simplify the operation and maintenance of the schools.

The projected amount of energy savings resulting from installation of DDC controls in FY13 (Phase 6) is $36,436.00.

This project is also eligible for rebate programs estimated to be $22,000.00 for FY13.

$300,000.00

Phase 7 of 7 FY14:

Stapleton work consists of DDC on 1 AHU and 36 univents.

$200,000.00

American Energy Management

American Energy Management, 221 Boston Post Road East, Marlborough, MA 01752
*Phone **508/480-8200** Fax **508/485-0669***

October 6, 2011

Mr. Matt Torti
Buildings and Grounds
Framingham Public Schools
454 Water Street
Framingham, MA 01701

Dear Mr. Torti:

Thank you for the opportunity to provide pricing for the remaining portions of the multi-phase project to upgrade the existing temperature controls to DDC control and incorporate them into the existing energy management system at the Framingham Public Schools.

The scope of work for Phase 6 has been revised to include new valves and controls for the reheat coils and remaining RTU's at the Barbieri School. We will also add VFD's to the Barbieri pumps and convert the reheats from 2 way to 3 way valves. The scope for Phase 6 also includes replacing the remaining control valves and adding DDC controls for the remaining pneumatic controls Potter Road and Brophy schools.

Phase 7 hasn't changed and includes adding DDC controls to the univents, RTU and AHU at the Stapleton School. The new controls will simplify operation, reduce maintenance cost and save substantial energy. The following is a summary of the work for each school:

Phase 6

Although most of the major equipment has been upgraded to DDC controls, there are still some pneumatic controls on devices such as unit heaters, radiation valves, exhaust fan dampers, etc. at the Potter Road and Brophy schools. We propose to replace these pneumatic controls with DDC controls. This will allow the Framingham schools to eliminate the air compressors which will provide additional energy savings, maintenance savings and will further simplify the operation and maintenance of the schools.

Barbieri
We propose to install new control valves and DDC controls on each of approximately 60 existing reheat zones. New valves will be 2-way configuration, replacing the existing 3-way valves. New VFD's and pressure monitoring will be installed for the existing hot water pumping system for pressure control. The following points will be monitored/controlled:

Description	DI	AI	DO	AO	End Device Termination
Space Temperature		60			In place of existing T-Stat
Hot Water Valve				60	Valve Actuator
Loop Differential Pressure		1			Differential Pressure Sensor
HW Pump #1 VFD Speed				1	VFD Input
HW Pump #2 VFD Speed				1	VFD Input

Stand-Alone Radiation and Exhaust Fans

AEM will mount and wire space temp sensors and control devices for the equipment listed below. AEM will provide controllers with the control transformer, contactors and necessary relays mounted in an enclosure to be installed in the mechanical rooms for control of these miscellaneous points. Existing pneumatically actuated valves will be replaced with electrically actuated valves.

Potter Road School

Description	DI	AI	DO	AO	End Device Termination
FTR Stand-a-Lone					
Space Temperature		25			Space Sensors
Fin-Tube Radiation				25	New Valve/Actuator
Cafeteria AHU HW Coil				1	New Valve/Actuator
Exhaust Fan Dampers			10		New Damper Actuator

Brophy School

Description	DI	AI	DO	AO	End Device Termination
FTR Stand-a-Lone					
Space Temperature		25			Space Sensors
Fin-Tube Radiation				25	New Valve/Actuator
Gym AHU HW Coil (2)				1	New Valve/Actuator
Custodians UV HW Coil				1	New Valve/Actuator
Exhaust Fan Dampers			10		New Damper Actuator

Phase 6 Budget Cost = $265,000

Estimated Energy Savings 22,500 KWH/Year 22,191 Therms/Year

Phase 7

Stapleton

The existing system controls the Boiler. The heat exchanger and pumps are controlled with conventional controls. AH-1, the Univents (36), and the baseboard radiation and unit heaters have conventional pneumatic controls. We will be retrofitting these with new DDC controls.

AH-1 Unit Controller (1)

AEM will mount and wire one ASIC Controller for each of the air handler units listed below. We will provide and wire all input/output points listed below and connect to the communication loop. In addition, we will replace the existing pneumatic damper actuators for the outside/return air dampers and we will replace the pneumatic valves with electric valves.

Description	DI	AI	DO	AO	End Device Termination
Supply Fan Start/Stop			1		Relay at motor starter
Supply Fan Status	1				CT Switch
Exhaust Fan Start/Stop			1		Relay at motor starter
Discharge Air Temperature		1			Probe Sensor
Mixed Air Temperature		1			Averaging Sensor
Freeze-Stat	1				Freeze Stat
Space Temperature 1		1			Space Sensor
Hot Water Reheat Coil 1				1	New Valve Actuator (by others)
Space Temperature 2		1			Space Sensor
Hot Water Reheat Coil 2				1	New Valve Actuator (by others)
Space Temperature 3		1			Space Sensor
Fin-Tube Radiation				2	New Valve Actuator (by others)
Outside Air Damper				1	New Damper Actuator
Return Air Damper 1				1	New Damper Actuator
Return Air Damper 2				1	New Damper Actuator

Univent Controllers (36)

AEM will mount and wire one ASIC Controller for each of the univents. We will provide and wire all input/output points listed below and connect to the communication loop. In addition, we will replace the existing pneumatic damper actuators for the outside/return air dampers and we will replace the pneumatic valves with electric valves. 24 of the units also has a radiation valve that needs to be replaced and wired.

Description	DI	AI	DO	AO	End Device Termination
Supply Fan Start/Stop			36		Control Relay
Discharge Air Temperature		36			Probe sensor
Space Temperature		36			Space Sensor
Steam/Hot Water Coil Valve				36	New Valve Actuator
Outside Air Damper				36	New Damper Actuator
Fin-Tube Radiation				24	New Valve Actuator

Stand-Alone Radiation and Exhaust Fans

AEM will mount and wire space temp sensors and control devices for the equipment listed below. AEM will provide controllers with the control transformer, contactors and necessary relays mounted in an enclosure to be installed in the mechanical rooms for control of these miscellaneous points. Existing pneumatically actuated valves will be replaced with electrically actuated valves.

Description	DI	AI	DO	AO	End Device Termination
UH/FTR Stand-a-Lone					
Space Temperature		23			Space Sensors
HW/Steam Coil				23	New Valve Actuator (by others)
Zone Exhaust Fans					
Fan Start/Stop			10		Relay at existing P/E
Exhaust Fan Damper (1)			1		New Damper Actuator

Phase 7 Budget Cost = $200,000

Estimated Energy Savings 30,059 KWH/Year 8,153 Therms/Year

If you have any questions regarding this, or if you need anything else, please don't hesitate to call me. Thank you for your continued support and cooperation.

Very truly yours,
AMERICAN ENERGY MANAGEMENT

Stephen Cunningham
Vice President of Sales

Ann M. O'Regan

From: Steve Cunningham [SCunningham@aemsolutions.com]
Sent: Tuesday, October 18, 2011 2:21 PM
To: Ann M. O'Regan
Subject: RE: DDC savings and estimated rebates

Hi Ann,

The projected savings for the DDC controls in 2012/2013 (Phase 6) are 22,500 KWH and 22,191 Therms. Using estimated costs of $0.14/KWH and $1.50/Therm, the estimated annual savings are $36,436. The rebate will need to be applied for, but the gas company usually pays $1.00 per therm saved, so the rebate should be around $22K.

I hope this helps. Let me know if you need anything else.

Steve

From: Ann M. O'Regan [mailto:aoregan@framingham.k12.ma.us]
Sent: Tuesday, October 18, 2011 2:06 PM
To: Steve Cunningham AEMSolutions (scunningham@aemsolutions.com)
Cc: Matt Torti
Subject: DDC savings and estimated rebates

Steve,

Hi, can you provide the estimated savings for the DDC project and rebates for next year (2012-2013). We need to include this in our capital project submission this week.

Thank you,

Ann

Ann O'Regan
Executive Assistant
Framingham Public Schools
Buildings and Grounds Dept.
U.S. Mail Address Only
29 Upper Joclyn Ave., Door #6
Framingham, MA 01701
Office Location (UPS, FedEx Deliveries Only)
31 Flagg Drive, Door #6
Framingham, MA 01702
508-626-9111

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
ADA Upgrades to Curbs, Sidewalks and Handicap Ramps-Multiple Schools-Phased Project (1	School Department	4
Category	Division	Priority
Infrastructure	Schools	4

Type	Submitter
Improvement	Matthew Torti
Status	Submitter Title
Submit	Director, Buildings and Grounds

Request Description
Phase 1 of 5. ADA upgrades to curbs, sidewalks and handicap ramps at various schools in the District. Please note current Town of Framingham unit pricing contract with Lorusso Corporation was used to generate cost.

Request Justification
ADA Upgrades to Curbs, Sidewalks and Handicap Ramps - Multiple Schools – Phased Project FY 13: Numerous schools were cited for damaged curbs, sidewalks, curb cuts, handicap ramps and deteriorated pavement in the ADA Town-wide Transition Plan. These funds would be part of a phased repair and upgrade plan to repair or replace the noted deficiencies. Schools most in need of repair are Walsh Middle School and Potter Road Elementary. $ 300,000.00 FY14: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 FY15: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 FY16: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 FY17: Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools. $ 300,000.00 * Please note that ADA upgrades must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$300,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$300,000

Proposed Funding Sources	Amount
General Fund	$300,000
	$0
	$0
	$0
	$300,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 11/18/2011

4. ADA Upgrades to Curbs, Sidewalks and Handicap Ramps - Multiple Schools – Phased Project

FY 13:

Numerous schools were cited for damaged curbs, sidewalks, curb cuts, handicap ramps and deteriorated pavement in the ADA Town-wide Transition Plan. These funds would be part of a phased repair and upgrade plan to repair or replace the noted deficiencies. Schools most in need of repair are Walsh Middle School and Potter Road Elementary.

$ 300,000.00

FY14:

Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools.

$ 300,000.00

FY15:

Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools.

$ 300,000.00

FY16:

Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools.

$ 300,000.00

FY17:

Continue with ADA upgrades to damaged curbs, sidewalks and deteriorated pavement at various schools.

$ 300,000.00

*** Please note that ADA upgrades must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.**

POTTER ROAD ELEMENTARY SCHOOL PROJECT
CONSTRUCTION COST ESTIMATE
(Prepared: October 5, 2011)

CONSTRUCTION ITEM	QTY	UNIT	UNIT EST. COST		SUBTOTAL
Pavement area					
1. Bit. & Conc. Excavation					
129.0 Bit conc. Excavation by cold planner	7969	sq yd	$3.50	$27,890	
3. Gravel burrow sub-base - 4"depth					
No. 151	885	cu yd	$32.00	$28,333	
4. Fine grade & compact					
No. 170	7969	sq yd	$2.00	$15,937	
5. Bituminous Concrete Pavement					
460.0 Class I - Type I-1 (4" depth -2courses)	1950	ton	$78.00	$152,087	
				ITEM 1-5	**$224,247**
ADA Sidewalks - right side entrance					
6. Unclassified Excavation					
121.0 Remove concrete sidewalk	244	cu yd	$26.00	$6,356	
7. Curbing					
506.0 Gran. Curb – Str	680	1f	$25.00	$17,000	
506.1 Gran. Curb – curved	160	1f	$29.00	$4,640	
506.2 Gran. Curb – splayed end	0	1f	$29.00	$0	
509.0 Gran. Curb trans - Str	60	1f	$29.00	$1,740	
509.1 Gran. Curb trans - curved	60	1f	$32.00	$1,920	
580.0 Curb removed & reset	0	1f	$15.00	$0	
8. Sidewalks					
701.0 Cement conc. sidewalk	654.2	sq yd	$29.00	$18,972	
701.1 Cement conc. driveway	20.0	sq yd	$34.00	$680	
701.2 Cement conc. Ramp (>5% slope)	75.0	sq yd	$51.00	$3,825	
				ITEM 6-8	**$55,133**
Sidewalks & curbing					
9. Unclassified Excavation					
121.0 Remove concrete sidewalk	93	cu yd	$26.00	$2,407	
10. Curbing					
506.0 Gran. Curb – Str	750	1f	$25.00	$18,750	
506.1 Gran. Curb – curved	0	1f	$29.00	$0	
506.2 Gran. Curb – splayed end	0	1f	$29.00	$0	
509.0 Gran. Curb trans - Str	0	1f	$29.00	$0	
509.1 Gran. Curb trans - curved	0	1f	$32.00	$0	
580.0 Curb removed & reset	855	1f	$15.00	$12,825	
11. Sidewalks					
701.0 Cement conc. sidewalk	166.7	sq yd	$29.00	$4,833	
701.1 Cement conc. driveway	0.0	sq yd	$34.00	$0	
701.2 Cement conc. Ramp (>5% slope)	0.0	sq yd	$51.00	$0	
				ITEMS 9-11	**$38,816**

Misc. Items

12. 220.0 Drainage structure rebuilt	4	each	$160.00	$640
13. 221.0 Sewer / drain cover adjust	14	each	$115.00	$1,610
14. 358.0 Gate box adjust	22	each	$90.00	$1,980
21. Topsoil & Seeding Grass	4000	sq ft	0.65	$2,600
22. Shade Trees	8	ea	$250.00	$2,000
23. Misc Signs –	20	ea	$100.00	$2,000
25. Wooden Guard Rail	420	1f	$35.00	$14,700
26. 866.0 Arrow markings	280	1f	$4.00	$1,120
27. 867.08 4" markings	2900	1f	$0.32	$928
28. Construction Stake out	1	unit		$7,500
29. Survey as-Built	1	unit		$8,500
			ITEMS 12-30	
				$43,578

ESTIMATED TOTAL = **$361,774**

ESTIMATE PREPARED BY:
GLM Engineering Consultants, Inc.
19 Exchange Street
Holliston, MA 01746

(Prepared: October 5, 2011)

SHORT FORM OF AGREEMENT FOR PROCUREMENT BETWEEN TOWN AND CONTRACTOR

PW-165

V#214

THIS AGREEMENT for **Road Rehabilitation** (hereinafter referred to as the "Project"), is made the 21 **day of** March **2011,** by and between **Lorusso Corp.,** a corporation duly organized under the laws of the Commonwealth of Massachusetts, with a usual place of business at **3 Belcher Street, Plainville, MA 02762**(hereinafter referred to as the "CONTRACTOR"), and the Town of Framingham, a municipal corporation duly organized under the laws of the Commonwealth of Massachusetts, (hereinafter referred to as the "TOWN").

WITNESSETH that the CONTRACTOR and the TOWN, for the consideration hereinafter named, agree as follows:

ARTICLE 1: CONTRACT DOCUMENTS

The Contract Documents consist of the following, and in the event of conflicts or discrepancies among them, they shall be interpreted on the basis of the following priorities:

(1) This short form of agreement for procurement between town and contractor
(2) Contractor's bid or proposal
(3) Invitation for bids, bid specifications, request for proposals or purchase description
(4) Drawings required for the project, if applicable
(5) Copies of all required bonds, certificates of insurance and licenses required under the contract,
(6) The Summary of Conflict of Interest Law for Municipal Employees attached hereto as **Exhibit A**, as well as the acknowledgement of receipt of summary attached hereto as **Exhibit B** and confirmation of completion of online training.
(7) Performance bond in the form attached hereto as **Exhibit C**, and
(8) Payment bond in the form attached hereto as **Exhibit D**

EACH OF WHICH IS ATTACHED HERETO. These documents form the entire Agreement between the parties and there are no other agreements between the parties. Any amendment or modification to this Agreement must be in writing and signed by an official with the authority to bind the Town.

ARTICLE 2: SCOPE OF WORK

The CONTRACTOR shall furnish all materials, labor and equipment, and perform all work shown on the Contract Documents, and the CONTRACTOR agrees to do everything required by this Agreement and the Contract Documents.

ARTICLE 3: TERMS OF AGREEMENT

(a) This Agreement shall be for a term of **(1) year** commencing on **March 10, 2011** and ending on **March 9, 2012** subject to annual appropriation as described in Article 7, "Termination." This Agreement shall not be renewed or extended unless a provision for renewal or extension is contained in the Invitation for Bids or Request for Proposals, in which event the Agreement may be renewed in writing at the sole option of the TOWN, and upon the terms described in writing.

(b) The CONRACTOR hereby agrees that if it fails to carry on the work with reasonable

speed or stops work altogether without due cause, as determined in each case by the TOWN, the TOWN may give written notice to the CONTRACTOR to proceed with the work or to carry on the work more speedily. Three days after the presentation of such notice, if the work is not proceeding to the satisfaction of the TOWN, the CONTRACTOR shall be considered to have defaulted in the performance of this Agreement.

ARTICLE 4: THE CONTRACT SUM

This is a **unit price** contract. The CONTRACTOR agrees to provide to the TOWN items at the specific price points listed in the CONTRACTOR'S bid submission, for the duration of the contract. The TOWN makes no guarantee to purchase any minimum or specific quantity of goods or services under the provisions of this contract.

ARTICLE 5: PAYMENT

(a) The TOWN shall make payment as follows:

On a monthly basis, thirty (30) days after receipt of an invoice for work performed or materials supplied the previous month, the TOWN shall pay the CONTRACTOR the amount of the invoice.

(b) With any invoice, the CONTRACTOR shall submit evidence satisfactory to the TOWN that the goods or supplies have been delivered and/or that the work has been completed in accordance with this Agreement, and that all payrolls, material bills and other indebtedness connected with the work have been paid. The billings shall include, if applicable, all charges for consultants, subcontractors, plans, equipment, models, renderings, travel, reproductions, postage and delivery, and all other expenses. There shall not be any markup for overhead, administration or profit for any of the above listed services.

ARTICLE 6: NON-PERFORMANCE

In the case of any default on the part of the CONTRACTOR with respect to any of the terms of this Agreement, the TOWN shall give written notice thereof, and if said default is not made good within such time as the TOWN shall specify in writing, the TOWN shall notify the CONTRACTOR in writing that there has been a breach of the Agreement, and thereafter the TOWN shall have the right to secure the completion of the work remaining to be done on such terms and in such manner as the TOWN shall determine, and the CONTRACTOR shall pay the TOWN any money that the TOWN shall pay another CONTRACTOR for the completion of the work, in excess of what the TOWN would have paid the CONTRACTOR for the completion of the work, and the CONTRACTOR shall reimburse the TOWN for all expenses incurred by reason of said breach. In case of such breach, the CONTRACTOR shall be entitled to receive payment only for work satisfactorily completed prior to said breach, less any retainage the TOWN is entitled to. The amount of any balance due the CONTRACTOR shall be determined by the TOWN and certified to the CONTRACTOR.

ARTICLE 7: TERMINATION

In addition to the provisions of Article 6 of this Agreement, the TOWN shall have the right to terminate this Agreement if funds are not appropriated or otherwise made available to support the continuation of this Agreement after the first year.

ARTICLE 8: NOTICE

All notices required to be given under this Agreement shall be in writing and shall be effective upon receipt by hand delivery or certified mail to:

Town of Framingham:
Capital Procurement Administrator
Town of Framingham, DPW
110 Western Avenue
Framingham, MA 01702

Contractor:
Name Steven Rose
Title Vice President
Company Lorusso Corp
Address 3 Belcher St
Plainville MA 02762
Phone: 508-695-3252
Fax: 508-699-0724
E-Mail: steve.rose@lorussocorp.com

ARTICLE 9: INSURANCE

(a) The CONTRACTOR shall, at its own expense, obtain and **maintain general liability and motor vehicle liability insurance** policies protecting the TOWN in connection with any operations included in this Contract, **and shall have the TOWN as an additional insured on the policies.** General liability coverage shall be in the amount of at least **$1,000,000** per occurrence and **$2,000,000** aggregate for bodily injury liability and property damage liability.

(b) **N/A**

(c) The CONTRACTOR shall, before commencing performance of this Contract, provide by insurance for the payment of compensation and the furnishing of other benefits in accordance with Mass. Gen. L. Ch. 152, as amended, to all employed under the Contract and shall continue such insurance in full force and effect during the term of the Contract.

(d) All insurance coverage shall be in force from the time of the Agreement to the date when all work under the Contract is completed and accepted by the TOWN. Certificates and any and all renewals substantiating that required insurance coverage is in effect shall be filed with the TOWN and shall list the TOWN as additional insured for each policy. Since this insurance is normally written on a year-to-year basis, the CONTRACTOR shall notify the TOWN should coverage become unavailable or if its policy should change. Any cancellation of insurance, whether by the insurers or the insured, shall not be valid unless written notice thereof is given by the party proposing cancellation to the

other party and to the TOWN at least fifteen (15) days prior to the intended effective date thereof, which date should be expressed in said notice.

(e) The CONTRACTOR shall indemnify, defend, and save harmless the TOWN and all of the TOWN'S officers, agents and employees from and against all suits and claims of liability of every name and nature, including costs of defending any action, for or on account of any injuries to persons or damage to property of the TOWN or any person, firm, corporation or association arising out of or resulting from any act, omission, or negligence of the CONTRACTOR, subcontractors and its and their agents or employees in the performance of the work covered by this Agreement and/or failure to comply with terms and conditions of this Agreement, but only in respect of such injuries or damages sustained during the performance and prior to the completion and acceptance of the work covered by this Agreement. The foregoing provisions shall not be deemed to be released, waived or modified in any respect by reason of any surety or insurance provided by the CONTRACTOR under the Contract.

ARTICLE 10: PERFORMANCE AND PAYMENT BONDS

(a) The CONTRACTOR shall furnish a **100 % Performance Bond** from a surety company qualified to do business under the laws of the Commonwealth of Massachusetts which is satisfactory to the TOWN in the full amount of the Contract Price and in the form attached as **Exhibit C.**

(b) The CONTRACTOR shall furnish a **100 % Payment Bond** from a surety company qualified to do business under the laws of the Commonwealth of Massachusetts which is satisfactory to the TOWN in the full amount of the Contract Price and in the form attached as **Exhibit D.**

ARTICLE 11: SUBCONTRACTING OF WORK

The CONTRACTOR shall not subcontract any of the work that it is required to perform under this Contract to any corporation, entity or person without the prior written approval of the TOWN.

ARTICLE 12: PREVAILING WAGE RATES

If the work under this Agreement involves the construction of public works, the CONTRACTOR shall pay the prevailing wage and comply with Mass. Gen. L. Ch. 149, Sec. 26 – 27D, and a Statement of Compliance shall be included in the Contract Documents. Pursuant to Mass. Gen. L. Ch. 149, Sec. 26 and 27B, the CONTRACTOR (and every subcontractor) shall file weekly certified payroll records with the TOWN for all employees who have worked on the Project. The TOWN and the CONTRACTOR shall preserve said records for a period of not less than three years from the date of completion of the Contract.

ARTICLE 13: OWNERSHIP OF DOCUMENTS

Upon completion of the final payment to the CONTRACTOR, the TOWN shall be the owner of all plans, specifications, electronic data and computations created by the CONTRACTOR that relate to this Agreement. The TOWN agrees that the information contained therein was produced specifically for this Agreement and agrees to hold the CONTRACTOR harmless from

any liability of the TOWN'S use of these documents in any future project not directly related to the subject matter of this Agreement.

ARTICLE 14: Materials And Workmanship

Unless otherwise specified, all materials and equipment incorporated in the work under the Contract shall be new. All workmanship shall be first class and by persons qualified in the respective trades.

ARTICLE 15: GUARANTEE OF WORK

(a) Except as otherwise specified, all work shall be guaranteed by the CONTRACTOR against defects resulting from the use of inferior materials, equipment, or workmanship for one (1) year from the date of final completion of the Contract.

(b) If, within any guarantee period, repairs or changes are required in connection with guaranteed work, which in the opinion of the TOWN are rendered necessary as a result of the use of materials, equipment or workmanship which are inferior, defective or not in accordance with the terms of the Contract, the CONTRACTOR shall, promptly upon receipt of notice from the TOWN and at its own expense:

(1) Make goods and services conform to this Agreement;

(2) Make good all damage to the site, or equipment or contents thereof, which, in the opinion of the TOWN, is the result of the use of materials, equipment or workmanship which are inferior, defective, or not in accordance with the terms of the Agreement; and

(3) Make good any work or material, or the equipment or site, which is disturbed in fulfilling any such guarantee.

ARTICLE 16: GOVERNING LAW

The CONTRACTOR shall perform the work required under this Contract in conformity with requirements and standards of the TOWN and all applicable laws of the Commonwealth of Massachusetts, its political subdivisions, and the Federal Government.

This Agreement and performance there under are governed by the laws of the Commonwealth of Massachusetts and all other applicable by-laws and administrative rules, regulations and orders.

ARTICLE 17: BINDING AGREEMENT AND ASSIGNMENT OF INTEREST

This Agreement shall be binding upon the TOWN and the CONTRACTOR and the partners, successors, heirs, executors, administrators, assigns and legal representatives of the TOWN and the CONTRACTOR. Neither the TOWN nor the CONTRACTOR shall assign, sublet or transfer any interest in this Agreement without the written consent of each other, and such consent shall not be unreasonably withheld.

ARTICLE 18: MANDATORY ETHICS TRAINING

A summary of the Conflict of Interest Law is attached hereto as **Exhibit A,** and must be distributed to all key employees of the Consultant whose services are specifically required by name, implication or understanding of the parties. Pursuant to Chapter 28 of the Acts of 2009, as amended, all key employees must complete online ethics training on the State Ethics Commission's website, www.mass.gov/ethics. Within thirty (30) days of the date of this Agreement, each key employee must provide to the Town Clerk (with a copy to the Department of Public Works) a signed acknowledgement of receipt of the summary of the Conflict of Interest Law, in the form attached hereto as **Exhibit B,** and a certificate of completion of the online training which must be printed at the completion of the training. In the event that the term of this agreement extends for more than two years, all continuously employed key employees shall repeat the online training and provide the Town with a new certificate of completion within ninety (90) before or ninety (90) days after the two-year anniversary of the date of this Agreement. Any new key employee who becomes employed by the Consultant after the date of this Agreement and whose services are specifically required by this Agreement must complete the online training and provide the Town with a certificate of completion within thirty (30) days of the date on which his services commence pursuant to this Agreement. Satisfaction of these requirements is the sole responsibility of the Consultant and its key employees, and the town shall have no liability for the Consultant's or its key employees' failure to meet these requirements.

THE REMAINDER OF THIS PAGE

IS LEFT BLANK ITENTIONALLY

IN WITNESS WHEREOF the parties hereto have executed copies of this Agreement the day and year first above written. *

*If a Corporation, attach to each signed copy of this Contract an attested copy of the vote of the Corporation on authorizing the said signing and sealing.

CONTRACTOR: Lorusso Corp

BY: [signature]

Title: Vice President

Corporate Seal:

[signature] 3/30/11

William R. Sedewitz, P.E.
Chief Engineer
Department of Public Works

[signature]

David R. Williams, Chief Procurement Officer *and* Assistant Town Manager

Dated: 4/7/11

Approved As To Form

[signature]

Christopher J. Petrini
Town Counsel

Dated: 4/6/11

Approved as to Funds Availability will be confirmed by issuance of official Town of Framingham Purchase Orders

[signature]

Richard G. Howarth
Town Accountant

Dated: 4/7/11

[signature]

Julian M. Suso
Town Manager

Dated: 4/7/11

Funding Source:

Key Org: DPW On Call Contract
All DPW Orgs

Account: Operating and Capital

EXHIBIT A

Mandatory Training Requirements - Summaries and Online Training

Mandatory educational requirements under the Ethics Reform Bill

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- **Summary of the Conflict of Interest Law for Municipal Employees**

By December 28, 2009, and on an annual basis thereafter, all current municipal employees must be provided with this summary of the conflict of interest law. Municipal employees hired after December 28, 2009, should be provided with the summary within 30 days of the date on which they commence employment, and on an annual basis thereafter. Every municipal employee is required to sign a written acknowledgment that he has been provided with the summary.

- **Online Training Program**

www.mass.gov/ethics - Under Education & Training Resources

By 12/28/09, and every 2 years thereafter, all current state, county and municipal employees must complete this training. Public employees hired after 12/28/09 must complete this training within 30 days of beginning public service, and every 2 years thereafter. This training is designed primarily for state employees. County and municipal employees should also use this training until it is revised with one tailored to them. Upon completing the program, employees should print out the completion certificate and keep a copy for themselves. Employees will be required to provide a copy of the completion certificate to the Town or City Clerk (municipal employees), their employing agency (appointed state and county employees), or to the Ethics Commission (elected state and county employees). Completing the single program will be considered by the Commission as meeting the Bill's training requirements until a second program is added. When multiple users attempt to complete the current training program using the same computer they may experience a problem accessing the beginning of the program. The user will need to open their internet browser, click on "Tools", then "Internet Options", select "Delete Cookies", then click "OK". The user will be able to click back on the Online Training module on the Commission's website and start at the beginning.

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After you have completed the Online Training, print out the "State Ethics Commission Receipt", and return with the receipt on Page 9 of this packet "Conflict of Interest Law" .

Summary of the Conflict of Interest Law for Municipal Employees

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This summary of the conflict of interest law, General Laws chapter 268A, is intended to help municipal employees understand how that law applies to them. This summary is not a substitute for legal advice, nor does it mention every aspect of the law that may apply in a particular situation. Municipal employees can obtain free confidential advice about the conflict of interest law from the Commission's Legal Division at our website, phone number, and address above. Municipal counsel may also provide advice.

The conflict of interest law seeks to prevent conflicts between private interests and public duties, foster integrity in public service, and promote the public's trust and confidence in that service by placing restrictions on what municipal employees may do on the job, after hours, and after leaving public service, as described below. The sections referenced below are sections of G.L. c. 268A.

When the Commission determines that the conflict of interest law has been violated, it can impose a civil penalty of up to $10,000 ($25,000 for bribery cases) for each violation. In addition, the Commission can order the violator to repay any economic advantage he gained by the violation, and to make restitution to injured third parties. Violations of the conflict of interest law can also be prosecuted criminally.

I. Are you a municipal employee for conflict of interest law purposes?

You do not have to be a full-time, paid municipal employee to be considered a municipal employee for conflict of int[illegible]t purposes. Anyone performing services for a city or town or holding a municipal position, whether paid or unpaid, including full- and part-time municipal employees, elected officials, volunteers, and consultants, is a municipal employee under the conflict of interest law. An employee of a private firm can also be a municipal employee, if the private firm has a contract with the city or town and the employee is a "key employee" under the contract, meaning the town has specifically contracted for her services. The law also covers private parties who engage in impermissible dealings with municipal employees, such as offering bribes or illegal gifts.

I. On-the-job restrictions.

a) Bribes. Asking for and taking bribes is prohibited.
(See Section 2)
A bribe is anything of value corruptly received by a municipal employee in exchange for the employee being influenced in his official actions. Giving, offering, receiving, or asking for a bribe is illegal.

Bribes are more serious than illegal gifts because they involve corrupt intent. In other words, the municipal employee intends to sell his office by agreeing to do or not do some official act, and the giver intends to influence him to do so. Bribes of any value are illegal.

b) Gifts and gratuities. Asking for or accepting a gift because of your official position, or because of something you can do or have done in your official position, is prohibited. (See Sections 3, 23(b)(2), and 26)
Municipal employees may not accept gifts and gratuities valued at $50 or more given to influence their official actions or because of their official position. Accepting a gift intended to reward past official action or to bring about future official action is illegal, as is giving such gifts. Accepting a gift given to you because of the municipal position you hold is also illegal. Meals, entertainment event tickets, golf, gift baskets, and payment of travel expenses can all be illegal gifts if given in connection with official action or position, as can anything worth $50 or more. A number of smaller gifts together worth $50 or more may also violate these sections.

Example of violation: A town administrator accepts reduced rental payments from developers.

Example of violation: A developer offers a ski trip to a school district employee who oversees the developer's work for the school district.

Regulatory exemptions. There are situations in which a municipal employee's receipt of a gift does not present a genuine risk of a conflict of interest, and may in fact advance the public interest. The Commission has created exemptions, and is considering creating additional exemptions, permitting giving and receiving gifts in these situations. One commonly used exemption permits municipal employees to accept payment of travel-related expenses when doing so advances a public purpose. Other exemptions are listed on the Commission's website.

Example where there is no violation: A fire truck manufacturer offers to pay the travel expenses of a fire chief to a trade show where the chief can examine various kinds of fire-fighting equipment that the town may purchase. The chief fills out a disclosure form and obtains prior approval from his appointing authority.

(c) Misuse of position. Using your official position to get something you are not entitled to, or to get someone else something they are not entitled to, is prohibited. Causing someone else to do these things is also prohibited. (See Sections 23(b)(2) and 26)
A municipal employee may not use her official position to get something worth $50 or more that would not be properly available to other similarly situated individuals. Similarly, a municipal employee may not use her official position to get something worth $50 or more for someone else that would not be properly available to other similarly situated individuals. Causing someone else to do these things is also prohibited.

Example of violation: A full-time town employee writes a novel on work time, using her office computer, and directing her secretary to proofread the draft.

Example of violation: A city councilor directs subordinates to drive the councilor's wife to and from the grocery store.

Example of violation: A mayor avoids a speeding ticket by asking the police officer who stops him, "Do you know who I am?" and showing his municipal I.D.

(d) Self-dealing and nepotism. Participating as a municipal employee in a matter in which you, your immediate family, your business organization, or your future employer has a financial interest is prohibited. (See Section 19)
A municipal employee may not participate in any particular matter in which he or a member of his immediate family (parents, children, siblings, spouse, and spouse's parents, children, and siblings) has a financial interest. He also may not participate in any particular matter in which a prospective employer, or a business organization of which he is a director, officer, trustee, or employee has a financial interest. Participation includes discussing as well as voting on a matter, and delegating a matter to someone else.

A financial interest may create a conflict of interest whether it is large or small, and positive or negative. In other words, it does not matter if a lot of money is involved or only a little. It also does not matter if you are putting money into your pocket or taking it out. If you, your immediate family, your business, or your employer have or has a financial interest in a matter, you may not participate. The financial interest must be direct and immediate or reasonably foreseeable to create a conflict. Financial interests which are remote, speculative or not sufficiently identifiable do not create conflicts.

Example of violation: A school committee member's wife is a teacher in the town's public schools. The school committee member votes on the budget line item for teachers' salaries.

F··mple of violation: A member of a town affordable housing committee is also the director of a non-profit l. ··ing development corporation. The non-profit makes an application to the committee, and the member/director participates in the discussion.

Example: A planning board member lives next door to property where a developer plans to construct a new building. Because the planning board member owns abutting property, he is presumed to have a financial interest in the matter. He cannot participate unless he provides the State Ethics Commission with an opinion from a qualified independent appraiser that the new construction will not affect his financial interest.

In many cases, where not otherwise required to participate, a municipal employee may comply with the law by simply not participating in the particular matter in which she has a financial interest. She need not give a reason for not participating.

There are several exemptions to this section of the law. An appointed municipal employee may file a written disclosure about the financial interest with his appointing authority, and seek permission to participate notwithstanding the conflict. The appointing authority may grant written permission if she determines that the financial interest in question is not so substantial that it is likely to affect the integrity of his services to the municipality. Participating without disclosing the financial interest is a violation. Elected employees cannot use the disclosure procedure because they have no appointing authority.

Example where there is no violation: An appointed member of the town zoning advisory committee, which will review and recommend changes to the town's by-laws with regard to a commercial district, is a partner at a co··any that owns commercial property in the district. Prior to participating in any committee discussions, the m··er files a disclosure with the zoning board of appeals that appointed him to his position, and that board gives him a written determination authorizing his participation, despite his company's financial interest. There is no violation.

There is also an exemption for both appointed and elected employees where the employee's task is to address a matter of general policy and the employee's financial interest is shared with a substantial portion (generally 10% or more) of the town's population, such as, for instance, a financial interest in real estate tax rates or municipal utility rates.

(e) <u>False claims</u>. Presenting a false claim to your employer for a payment or benefit is prohibited, and causing someone else to do so is also prohibited. (See Sections 23(b)(4) and 26)
A municipal employee may not present a false or fraudulent claim to his employer for any payment or benefit worth $50 or more, or cause another person to do so.

Example of violation: A public works director directs his secretary to fill out time sheets to show him as present at work on days when he was skiing.

f) <u>Appearance of conflict</u>. Acting in a manner that would make a reasonable person think you can be improperly influenced is prohibited. (See Section 23(b)(3))
A municipal employee may not act in a manner that would cause a reasonable person to think that she would show favor toward someone or that she can be improperly influenced. Section 23(b)(3) requires a municipal employee to c··sider whether her relationships and affiliations could prevent her from acting fairly and objectively when she er·· ·s her duties for a city or town. If she cannot be fair and objective because of a relationship or affiliation, he should not perform her duties. However, a municipal employee, whether elected or appointed, can avoid violating this provision by making a public disclosure of the facts. An appointed employee must make the disclosure in writing to his appointing official.

Example where there is no violation: A developer who is the cousin of the chair of the conservation commission has filed an application with the commission. A reasonable person could conclude that the chair might favor her cousin. The chair files a written disclosure with her appointing authority explaining her relationship with her cousin prior to the meeting at which the application will be considered. There is no violation of Sec. 23(b)(3).

(g) Confidential information. Improperly disclosing or personally using confidential information obtained through your job is prohibited. (See Section 23(c))
Municipal employees may not improperly disclose confidential information, or make personal use of non-public information they acquired in the course of their official duties to further their personal interests.

III. After-hours restrictions.

(a) Taking a second paid job that conflicts with the duties of your municipal job is prohibited. (See Section 23(b)(1))
A municipal employee may not accept other paid employment if the responsibilities of the second job are incompatible with his or her municipal job.

Example: A police officer may not work as a paid private security guard in the town where he serves because the demands of his private employment would conflict with his duties as a police officer.

(b) Divided loyalties. Receiving pay from anyone other than the city or town to work on a matter involving the city or town is prohibited. Acting as agent or attorney for anyone other than the city or town in a matter involving the city or town is also prohibited whether or not you are paid. (See Sec. 17)
Because cities and towns are entitled to the undivided loyalty of their employees, a municipal employee may not be paid by other people and organizations in relation to a matter if the city or town has an interest in the matter. In addition, a municipal employee may not act on behalf of other people and organizations or act as an attorney for other people and organizations in which the town has an interest. Acting as agent includes contacting the municipality in person, by phone, or in writing; acting as a liaison; providing documents to the city or town; and serving as spokesman.

A municipal employee may always represent his own personal interests, even before his own municipal agency or board, on the same terms and conditions that other similarly situated members of the public would be allowed to do so. A municipal employee may also apply for building and related permits on behalf of someone else and be paid for doing so, unless he works for the permitting agency, or an agency which regulates the permitting agency.

Example of violation: A full-time health agent submits a septic system plan that she has prepared for a private client to the town's board of health.

Example of violation: A planning board member represents a private client before the board of selectmen on a request that town meeting consider rezoning the client's property.

While many municipal employees earn their livelihood in municipal jobs, some municipal employees volunteer their time to provide services to the town or receive small stipends. Others, such as a private attorney who provides legal services to a town as needed, may serve in a position in which they may have other personal or private employment during normal working hours. In recognition of the need not to unduly restrict the ability of town volunteers and part-time employees to earn a living, the law is less restrictive for "special" municipal employees than for other municipal employees.

The status of "special" municipal employee has to be assigned to a municipal position by vote of the board of selectmen, city council, or similar body. A position is eligible to be designated as "special" if it is unpaid, or if it

is part-time and the employee is allowed to have another job during normal working hours, or if the employee was r paid for working more than 800 hours during the preceding 365 days. It is the position that is designated as "special" and not the person or persons holding the position. Selectmen in towns of 10,000 or fewer are automatically "special"; selectman in larger towns cannot be "specials."

If a municipal position has been designated as "special," an employee holding that position may be paid by others, act on behalf of others, and act as attorney for others with respect to matters before municipal boards other than his own, provided that he has not officially participated in the matter, and the matter is not now, and has not within the past year been, under his official responsibility.

Example: A school committee member who has been designated as a special municipal employee appears before the board of health on behalf of a client of his private law practice, on a matter that he has not participated in or had responsibility for as a school committee member. There is no conflict. However, he may not appear before the school committee, or the school department, on behalf of a client because he has official responsibility for any matter that comes before the school committee. This is still the case even if he has recused himself from participating in the matter in his official capacity.

Example: A member who sits as an alternate on the conservation commission is a special municipal employee. Under town by-laws, he only has official responsibility for matters assigned to him. He may represent a resident who wants to file an application with the conservation commission as long as the matter is not assigned to him and he will not participate in it.

(c) Inside track. Being paid by your city or town, directly or indirectly, under some second arrangement in addition to your job is prohibited, unless an exemption applies. (See Section 20)
A municipal employee generally may not have a financial interest in a municipal contract, including a second municipal job. A municipal employee is also generally prohibited from having an indirect financial interest in a contract that the city or town has with someone else. This provision is intended to prevent municipal employees from having an "inside track" to further financial opportunities.

Example of violation: Legal counsel to the town housing authority becomes the acting executive director of the authority, and is paid in both positions.

Example of violation: A selectman buys a surplus truck from the town DPW.

Example of violation: A full-time secretary for the board of health wants to have a second job working part-time for the town library. She will violate Section 20 unless she can meet the requirements of an exemption.

Example of violation: A city councilor wants to work for a non-profit that receives funding under a contract with her city. Unless she can satisfy the requirements of an exemption under Section 20, she cannot take the job.

There are numerous exemptions. A municipal employee may hold multiple unpaid or elected positions. Some exemptions apply only to special municipal employees. Specific exemptions may cover housing-related benefits, public safety positions, certain elected positions, small towns, and other specific situations. Please call the Ethics Commission's Legal Division for advice about a specific situation.

V ter you leave municipal employment. (See Section 18)

a) Forever ban. After you leave your municipal job, you may never work for anyone other than the municipality on a matter that you worked on as a municipal employee.
If you participated in a matter as a municipal employee, you cannot ever be paid to work on that same matter for anyone other than the municipality, nor may you act for someone else, whether paid or not. The purpose of this

restriction is to bar former employees from selling to private interests their familiarity with the facts of particular matters that are of continuing concern to their former municipal employer. The restriction does not prohibit former municipal employees from using the expertise acquired in government service in their subsequent private activities.

Example of violation: A former school department employee works for a contractor under a contract that she helped to draft and oversee for the school department.

(b) One year cooling-off period. For one year after you leave your municipal job you may not participate in any matter over which you had official responsibility during your last two years of public service.
Former municipal employees are barred for one year after they leave municipal employment from personally appearing before any agency of the municipality in connection with matters that were under their authority in their prior municipal positions during the two years before they left.

Example: An assistant town manager negotiates a three-year contract with a company. The town manager who supervised the assistant, and had official responsibility for the contract but did not participate in negotiating it, leaves her job to work for the company to which the contract was awarded. The former manager may not call or write the town in connection with the company's work on the contract for one year after leaving the town.

(c) Partners. Your partners will be subject to restrictions while you serve as a municipal employee and after your municipal service ends.
Partners of municipal employees and former municipal employees are also subject to restrictions under the conflict of interest law. If a municipal employee participated in a matter, or if he has official responsibility for a matter, then his partner may not act on behalf of anyone other than the municipality or provide services as an attorney to anyone but the city or town in relation to the matter.

Example: While serving on a city's historic district commission, an architect reviewed an application to get landmark status for a building. His partners at his architecture firm may not prepare and sign plans for the owner of the building or otherwise act on the owner's behalf in relation to the application for landmark status. In addition, because the architect has official responsibility as a commissioner for every matter that comes before the commission, his partners may not communicate with the commission or otherwise act on behalf of any client on any matter that comes before the commission during the time that the architect serves on the commission.

Example: A former town counsel joins a law firm as a partner. Because she litigated a lawsuit for the town, her new partners cannot represent any private clients in the lawsuit for one year after her job with the town ended.

* * * * *

This summary is not intended to be legal advice and, because it is a summary, it does not mention every provision of the conflict law that may apply in a particular situation. Our website, www.mass.gov/ethics, contains further information about how the law applies in many situations. You can also contact the Commission's Legal Division via our website, by telephone, or by letter. Our contact information is at the top of this document.

EXHIBIT B

In accordance with Massachusetts General Laws, Chapter 303 of the Acts of 1975, I have been furnished a copy of the Conflict of Interest Law.

Steven Rose
Print Name

Lorusso Corp
Department / Office / Board / Committee

3 Belcher St
Address

Plainville, MA 02762
City or Town, State & Zip

508-695-3252
Phone

Steve.Rose@Lorussocorp.com
Email

Please sign below and return to the Town Clerk's Office as required by law.

X **State Ethics Commission Receipt Included**

Steven Rose
Signature

28 MAR 2011
Date

STATE ETHICS COMMISSION RECEIPT

Conflict of Interest Law Online Training Program

was completed by: Steven Rose

on

Tuesday, January 12, 2010

Thank you for completing the State Ethics Commission's online training program.

It is important to keep in mind that information provided in the online training program is general in nature and is not an exhaustive review of the conflict of interest law. The Commission staff also regularly offers free educational seminars at its Boston office, Room 619, One Ashburton Place. Please contact the Commission at 617-371-9500 if you are interested in attending one of these sessions or sponsoring an educational seminar at your facility.

The State Ethics Commission provides free, confidential legal advice about how the law applies in a particular situation. We encourage you to seek legal advice from the Commission at 617-371-9500 and/or your agency's legal counsel if you face a potential conflict of interest. Your agency may have additional restrictions which regulate your conduct.

For additional information about the Ethics Commission and the conflict of interest law, please visit www.mass.gov/ethics.

Educational material about the application of the conflict of interest law can be found at http://www.mass.gov/ethics/educational_materials.html

A summary of the conflict of interest law can be found in The Top Ten Rules State Employees Need to Know About the Conflict of Interest Law.

Do not forget to Print this page!

CORPORATE OFFICE
3 BELCHER STREET
PLAINVILLE, MA 02762
(508) 695-3252
FAX (508) 699-2387

LORUSSO CORP.

CRUSHED STONE
SAND AND GRAVEL
RECYCLED GRAVEL PRODUCTS
SCREENED LOAM
SCREENED COMPOST
CONSTRUCTION SERVICES

At a regularly called meeting of the Board of Directors of the Lorusso Corporation held on January 4, 2011, at which a quorum was present, it was voted, that Steven P. Rose, Vice President of this company, be and he hereby is authorized to execute contracts and bonds in the name and behalf of said company, and affix its corporate seal thereto; and such execution of any contract or obligation in this company's name on its behalf by such Vice President under seal of this company shall be valid and binding upon this company.

A true copy
ATTEST:_____
Clerk Gerard C. Lorusso
Massachusetts Corporation

Place of business 3 Belcher Street Plainville, MA 02762 I hereby certify that I am the clerk of the Lorusso Corporation that Steven P. Rose is the duly elected Vice President of said company, and that the above vote has not been amended or rescinded and remains in full force and as of the date.

_____
Clerk Gerard C. Lorusso
Massachusetts Corporation

Then personally appeared the above named and acknowledged the foregoing instrument to be his free act and deed before me. This 3rd day of March, 2011

Linda Watterson
Notary Public Comm. Ex. 3/16/12

LINDA WATTERSON
NOTARY PUBLIC
COMMONWEALTH of MASSACHUSETTS
MY COMMISSION EXPIRES
March 16, 2012

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF OCCUPATIONAL SAFETY

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

JOANNE F. GOLDSTEIN
Secretary of Labor and Workforce Development

GEORGE E. NOEL
Director of Labor

HEATHER E. ROWE
Acting Commissioner of
Division of Occupational Safety

Awarding Authority: Town of Framingham

Contract Number: PW165 **City/Town:** FRAMINGHAM

Description of Work: Road Rehabilitation Works - Rehabilitation of the asphalt surface courses, curbs and sidewalks, on public roads and or segments

Job Location: Various Locations throughout the Town

Classification	Effective Dates and Total Rates					
Construction						
(2 AXLE) DRIVER - EQUIPMENT	12/01/2010	$44.430	06/01/2011	$45.180	12/01/2011	$45.840
	06/01/2012	$46.490	12/01/2012	$47.520		
(3 AXLE) DRIVER - EQUIPMENT	12/01/2010	$44.500	06/01/2011	$45.250	12/01/2011	$45.910
	06/01/2012	$46.560	12/01/2012	$47.590		
(4 & 5 AXLE) DRIVER - EQUIPMENT	12/01/2010	$44.620	06/01/2011	$45.370	12/01/2011	$46.030
	06/01/2012	$46.680	12/01/2012	$47.710		
ADS/SUBMERSIBLE PILOT	08/01/2010	$103.680	08/01/2011	$107.800		
AIR TRACK OPERATOR	12/01/2010	$46.500	06/01/2011	$47.500	12/01/2011	$48.750
ASBESTOS REMOVER - PIPE / MECH. EQUIPT.	12/01/2009	$40.250				
ASPHALT RAKER	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE	12/01/2010	$60.980				
BACKHOE/FRONT-END LOADER	12/01/2010	$60.980				
BARCO-TYPE JUMPING TAMPER	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
BLOCK PAVER, RAMMER / CURB SETTER	12/01/2010	$46.500	06/01/2011	$47.500	12/01/2011	$48.750
BOILER MAKER	01/01/2010	$55.850				

APPRENTICE: BOILERMAKER - Local 29

Ratio	Step	1	2	3	4	5	6	7	8
1:5	%	65.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00

Apprentice wages shall be no less than the following:

Step 1$42.66/2$42.66/3$44.54/4$46.43/5$48.31/6$50.20/7$52.08/8$53.97

BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)	03/01/2011	$68.940	09/01/2011	$70.290	03/01/2012	$71.290

APPRENTICE: BRICK/PLASTER/CEMENT MASON - Local 1 Lowell

Ratio	Step	1	2	3	4	5	6
1:5	%	50.00	60.00	70.00	80.00	90.00	95.00

Apprentice wages shall be no less than the following:

Step 1$47.01/2$51.40/3$55.78/4$60.17/5$64.55/6$66.75

BULLDOZER/GRADER/SCRAPER	12/01/2010	$60.630				
CAISSON & UNDERPINNING BOTTOM MAN	12/01/2010	$50.250	06/01/2011	$51.250	12/01/2011	$52.500
CAISSON & UNDERPINNING LABORER	12/01/2010	$49.100	06/01/2011	$50.100	12/01/2011	$51.350
CAISSON & UNDERPINNING TOP MAN	12/01/2010	$49.100	06/01/2011	$50.100	12/01/2011	$51.350
CARBIDE CORE DRILL OPERATOR	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
CARPENTER	03/01/2011	$56.230	09/01/2011	$57.360	03/01/2012	$58.480

APPRENTICE: CARPENTER - Zone 2 Eastern MA

Ratio	Step	1	2	3	4	5	6	7	8
1:5	%	50.00	60.00	70.00	75.00	80.00	80.00	90.00	90.00

Apprentice wages shall be no less than the following:

Step 1$26.27/2$29.47/3$41.91/4$43.51/5$46.68/6$46.68/7$51.46/8$50.87

This wage schedule must be posted at the work site in accordance with M.G.L. c. 149, § 27. Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. c. 149, § 27. Employees not receiving such rates should report the violation to the Fair Labor Division of the Office of the Attorney General , 100 Cambridge Street, Boston, MA 02108; Tel: 617-727-3465. Contractors with questions about the wage rates or classifications included on the wage schedules have an affirmative obligation to inquire with DOS at www.mass.gov/dos/pw or at 617-626-6952.

Issue Date: 03/02/2011 **Wage Request Number:** 20110302-014

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF OCCUPATIONAL SAFETY

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Director of Labor

HEATHER E. ROWE
Acting Commissioner of
Division of Occupational Safety

Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

Awarding Authority: Town of Framingham

Contract Number: PW165 **City/Town:** FRAMINGHAM

Description of Work: Road Rehabilitation Works - Rehabilitation of the asphalt surface courses, curbs and sidewalks, on public roads and or segments

Job Location: Various Locations throughout the Town

Classification	Effective Dates and Total Rates					
CEMENT MASONRY/PLASTERING	03/01/2011	$65.360	09/01/2011	$65.870	03/01/2012	$66.250
CHAIN SAW OPERATOR	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES	12/01/2010	$61.980				
COMPRESSOR OPERATOR	12/01/2010	$49.690				
DELEADER (BRIDGE)	01/01/2011	$64.410	07/01/2011	$65.410	01/01/2012	$66.410
	07/01/2012	$67.410	01/01/2013	$68.410		

APPRENTICE: PAINTER Local 35 - BRIDGES/TANKS

Ratio	Step	1	2	3	4	5	6	7	8
1:1	%	50.00	55.00	60.00	65.00	70.00	75.00	80.00	90.00

Apprentice wages shall be no less than the following: Steps are 750 hrs.

Step 1$29.31/2$36.86/3$39.01/4$41.16/5$51.51/6$53.66/7$55.81/8$60.11

DEMO: ADZEMAN	12/01/2010	$49.100	06/01/2011	$50.100	12/01/2011	$51.350
DEMO: BACKHOE/LOADER/HAMMER OPERATOR	12/01/2010	$50.100	06/01/2011	$51.100	12/01/2011	$52.350

APPRENTICE: LABORER Demo Backhoe/Loader/Hammer Operator

Ratio	Step	1	2	3	4
1:5	%	60.00	70.00	80.00	90.00

Apprentice wages shall be no less than the following:

Step 1$37.48/2$40.64/3$43.79/4$46.95

DEMO: BURNERS	12/01/2010	$49.850	06/01/2011	$50.850	12/01/2011	$52.100

APPRENTICE: LABORER Demo Burners

Ratio	Step	1	2	3	4
1:5	%	60.00	70.00	80.00	90.00

Apprentice Wages shall be no less than the following:

Step 1$37.33/2$40.46/3$43.59/4$46.72.

DEMO: CONCRETE CUTTER/SAWYER	12/01/2010	$50.100	06/01/2011	$51.100	12/01/2011	$52.350
DEMO: JACKHAMMER OPERATOR	12/01/2010	$49.850	06/01/2011	$50.850	12/01/2011	$52.100
DEMO: WRECKING LABORER	12/01/2010	$49.100	06/01/2011	$50.100	12/01/2011	$51.350

APPRENTICE: LABORER Demo Wrecking Laborer

Ratio	Step	1	2	3	4
1:5	%	60.00	70.00	80.00	90.00

Apprentice wages shall be no less than the following:

Step 1$36.88/2$39.94/3$42.99/4$46.05

DIRECTIONAL DRILL MACHINE OPERATOR	12/01/2010	$60.630		
DIVER	08/01/2010	$77.520	08/01/2011	$80.270
DIVER TENDER	08/01/2010	$62.570	08/01/2011	$65.320
DIVER TENDER (EFFLUENT)	08/01/2010	$81.250	08/01/2011	$85.380
DIVER/SLURRY (EFFLUENT)	08/01/2010	$103.680	08/01/2011	$107.800
ELECTRICIAN	03/01/2011	$68.290		

This wage schedule must be posted at the work site in accordance with M.G.L. c. 149, § 27. Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. c. 149, § 27. Employees not receiving such rates should report the violation to the Fair Labor Division of the Office of the Attorney General, 100 Cambridge Street, Boston, MA 02108; Tel: 617-727-3465. Contractors with questions about the wage rates or classifications included on the wage schedules have an affirmative obligation to inquire with DOS at www.mass.gov/dos/pw or at 617-626-6952.

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As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

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Division of Occupational Safety

Awarding Authority: Town of Framingham

Contract Number: PW165 **City/Town:** FRAMINGHAM

Description of Work: Road Rehabilitation Works - Rehabilitation of the asphalt surface courses, curbs and sidewalks, on public roads and or segments

Job Location: Various Locations throughout the Town

Classification	Effective Dates and Total Rates					
ELEVATOR CONSTRUCTOR	01/01/2011	$66.690	01/01/2012	$68.190		
ELEVATOR CONSTRUCTOR HELPER	01/01/2011	$52.830	01/01/2012	$54.330		
FENCE & GUARD RAIL ERECTOR	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
FIELD ENG. - INST. PERSON (BLDG, SITE, HVY CONST)	11/01/2010	$58.140	05/01/2011	$59.380		
FIELD ENG. - ROD PERSON (BLDG, SITE, HVY CONST)	11/01/2010	$42.200	05/01/2011	$42.930		
FIELD ENG.-CHIEF OF PARTY (BLDG, SITE, HVY CONST)	11/01/2010	$59.520	05/01/2011	$60.770		
FIRE ALARM INSTALLER	03/01/2011	$68.290				
FIRE ALARM REPAIR / MAINTENANCE	03/01/2011	$56.300				
FIREMAN (ASST. ENGINEER)	12/01/2010	$54.840				
FLAGGER & SIGNALER	12/01/2010	$36.650	06/01/2011	$37.650	12/01/2011	$37.650
FLOORCOVERER	03/01/2011	$61.110	09/01/2011	$62.360	03/01/2012	$63.610
FORK LIFT/CHERRY PICKER	12/01/2010	$60.980				
GENERATOR/LIGHTING PLANT/HEATERS	12/01/2010	$49.690				
GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)	01/01/2011	$53.910	07/01/2011	$54.910	01/01/2012	$55.910
	07/01/2012	$56.910	01/01/2013	$57.910		
HOISTING ENGINEER/CRANES/GRADALLS	12/01/2010	$60.980				

APPRENTICE: ELECTRICIAN - Local 103

Ratio	Step	1	2	3	4	5	6	7	8	9	10
2:3***	%	40.00	40.00	45.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00

Apprentice wages shall be no less than the following Steps: App Prior 1/1/03; 30/35/40/45/50/55/65/70/75/80

1$37.38/2$37.38/3$44.81/4$44.81/5$46.95/6$49.08/7$51.22/8$53.35/9$55.49/10$57.62

APPRENTICE: ELEVATOR CONSTRUCTOR - Local 4

Ratio	Step	1	2	3	4	5
1:1	%	50.00	55.00	65.00	70.00	80.00

Apprentice rates shall be no less than the following: Steps 1-2 are 6 mos.; Steps 3-5 are 1 year

Step 1$34.26/2$43.76/3$48.86/4$51.41/5$56.50

APPRENTICE: FLOORCOVERER - Local 2168 Zone I

Ratio	Step	1	2	3	4	5	6	7	8
1:1	%	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00

Apprentice rates shall be no less than the following: Steps are 750 hrs.

Step 1$28.38/2$30.17/3$41.41/4$43.20/5$46.78/6$48.57/7$52.15/8$53.95

APPRENTICE: GLAZIER - Local 35 Zone 2

Ratio	Step	1	2	3	4	5	6	7	8
1:1	%	50.00	55.00	60.00	65.00	70.00	75.00	80.00	90.00

Apprentice wages shall be no less than the following: Steps are 750 hrs.

Step 1$24.06/2$31.08/3$32.71/4$34.33/5$44.16/6$45.78/7$47.41/8$50.66

This wage schedule must be posted at the work site in accordance with M.G.L. c. 149, § 27. Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. c. 149, § 27. Employees not receiving such rates should report the violation to the Fair Labor Division of the Office of the Attorney General, 100 Cambridge Street, Boston, MA 02108; Tel: 617-727-3465. Contractors with questions about the wage rates or classifications included on the wage schedules have an affirmative obligation to inquire with DOS at www.mass.gov/dos/pw or at 617-626-6952.

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Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

Awarding Authority: Town of Framingham

Contract Number: PW165

City/Town: FRAMINGHAM

Description of Work: Road Rehabilitation Works - Rehabilitation of the asphalt surface courses, curbs and sidewalks, on public roads and or segments

Job Location: Various Locations throughout the Town

Classification	Effective Dates and Total Rates					
APPRENTICE: HOIST/PORT. ENG.- Local 4						
Ratio / Step: 1:6 / % — 1: 55.00; 2: 60.00; 3: 65.00; 4: 70.00; 5: 75.00; 6: 80.00; 7: 85.00; 8: 90.00						
Apprentice wages shall be no less than the following:						
Step 1$31.33/2$45.47/3$47.41/4$49.35/5$51.29/6$53.22/7$55.16/8$57.10						
HVAC (DUCTWORK)	02/01/2011	$65.170	08/01/2011	$66.420	02/01/2012	$67.670
	08/01/2012	$68.920	02/01/2013	$70.170		
HVAC (ELECTRICAL CONTROLS)	03/01/2011	$68.290				
HVAC (TESTING AND BALANCING - AIR)	02/01/2011	$65.170	08/01/2011	$66.420	02/01/2012	$67.670
	08/01/2012	$68.920	02/01/2013	$70.170		
HVAC (TESTING AND BALANCING -WATER)	09/01/2010	$68.730				
HVAC MECHANIC	09/01/2010	$68.730				
HYDRAULIC DRILLS	12/01/2010	$46.500	06/01/2011	$47.500	12/01/2011	$48.750
INSULATOR (PIPES & TANKS)	09/01/2010	$61.660				
APPRENTICE: ASBESTOS INSULATOR (Pipes & Tanks) - Local 6 Boston						
Ratio / Step: 1:4 / % — 1: 50.00; 2: 60.00; 3: 70.00; 4: 80.00						
Apprentice wages shall be no less than the following:	Steps are 1 year					
Step 1$37.34/2$42.20/3$47.07/4$51.93						
IRONWORKER/WELDER	03/16/2010	$60.940				
APPRENTICE: IRONWORKER - Local 7 Boston						
Ratio / Step: ** / % — 1: 60.00; 2: 70.00; 3: 75.00; 4: 80.00; 5: 85.00; 6: 90.00						
Apprentice wages shall be no less than the following:	** Structural 1:6; Ornamental 1:4					
Step 1$46.82/2$50.35/3$52.12/4$53.88/5$55.65/6$57.41						
JACKHAMMER & PAVING BREAKER OPERATOR	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
LABORER	12/01/2010	$45.750	06/01/2011	$46.750	12/01/2011	$48.000
APPRENTICE: LABORER - Zone 2						
Ratio / Step: 1:5 / % — 1: 60.00; 2: 70.00; 3: 80.00; 4: 90.00						
Apprentice wages shall be no less than the following:						
Step 1$34.31/2$37.17/3$40.03/4$42.89						
LABORER: CARPENTER TENDER	12/01/2010	$45.750	06/01/2011	$46.750	12/01/2011	$48.000
LABORER: CEMENT FINISHER TENDER	12/01/2010	$45.750	06/01/2011	$46.750	12/01/2011	$48.000
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER	12/01/2010	$45.750	06/01/2011	$46.750	12/01/2011	$48.000
LABORER: MASON TENDER	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
LABORER: MULTI-TRADE TENDER	12/01/2010	$45.750	06/01/2011	$46.750	12/01/2011	$48.000
LABORER: TREE REMOVER	12/01/2010	$45.750	06/01/2011	$46.750	12/01/2011	$48.000

This wage schedule must be posted at the work site in accordance with M.G.L. c. 149, § 27. Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. c. 149, § 27. Employees not receiving such rates should report the violation to the Fair Labor Division of the Office of the Attorney General , 100 Cambridge Street, Boston, MA 02108; Tel: 617-727-3465. Contractors with questions about the wage rates or classifications included on the wage schedules have an affirmative obligation to inquire with DOS at www.mass.gov/dos/pw or at 617-626-6952.

THE COMMONWEALTH OF MASSACHUSETTS
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DIVISION OF OCCUPATIONAL SAFETY

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Division of Occupational Safety

Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

Awarding Authority: Town of Framingham

Contract Number: PW165 **City/Town:** FRAMINGHAM

Description of Work: Road Rehabilitation Works - Rehabilitation of the asphalt surface courses, curbs and sidewalks, on public roads and or segments

Job Location: Various Locations throughout the Town

Classification	Effective Dates and Total Rates					
This classification applies to the wholesale removal of standing trees including all associated trimming of branches and limbs, and applies to the removal of branches at locations not on or around utility lines.						
LASER BEAM OPERATOR	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
MARBLE & TILE FINISHERS	03/01/2011	$59.270	08/01/2011	$60.950	02/01/2012	$61.740

APPRENTICE: MARBLE & TILE FINISHER - Local 3 Marble & Tile

Ratio	Step	1	2	3	4	5
1:3	%	50.00	60.00	70.00	80.00	90.00

Apprentice wages shall be no less than the following: Steps are 800 hrs.

Step 1$41.98/2$45.43/3$48.89/4$52.35/5$55.81

MARBLE MASONS,TILELAYERS & TERRAZZO MECH	03/01/2011	$70.940	08/01/2011	$73.040	02/01/2012	$74.030

APPRENTICE: MARBLE-TILE-TERRAZZO MECHANIC - Local 3 Marble & Tile

Ratio	Step	1	2	3	4	5
1:3	%	50.00	60.00	70.00	80.00	90.00

Apprentice wages shall be no less than the following:

Step 1$48.32/2$52.84/3$57.37/4$61.89/5$66.42

MECH. SWEEPER OPERATOR (NON-CONSTRUCTION)	07/01/2010	$29.590	07/01/2011	$30.290					
MECH. SWEEPER OPERATOR (ON CONST. SITES)	12/01/2010	$60.630							
MECHANICS MAINTENANCE	12/01/2010	$60.630							
MILLWRIGHT (Zone 2)	04/01/2010	$53.990							

APPRENTICE: MILLWRIGHT - Local 1121 Zone 2

Ratio	Step	1	2	3	4	5	6	7	8
1:5	%	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00

Apprentice wages shall be no less than the following:

Step 1$25.02/2$26.60/3$36.88/4$38.46/5$41.53/6$43.12/7$46.18/8$47.76

MORTAR MIXER	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
OILER (OTHER THAN TRUCK CRANES,GRADALLS)	12/01/2010	$43.170				
OILER (TRUCK CRANES, GRADALLS)	12/01/2010	$46.330				
OTHER POWER DRIVEN EQUIPMENT - CLASS II	12/01/2010	$60.630				
PAINTER (BRIDGES/TANKS)	01/01/2011	$64.410	07/01/2011	$65.410	01/01/2012	$66.410
	07/01/2012	$67.410	01/01/2013	$68.410		

APPRENTICE: PAINTER Local 35 - BRIDGES/TANKS

Ratio	Step	1	2	3	4	5	6	7	8
1:1	%	50.00	55.00	60.00	65.00	70.00	75.00	80.00	90.00

Apprentice wages shall be no less than the following: Steps are 750 hrs.

Step 1$29.31/2$36.86/3$39.01/4$41.16/5$51.51/6$53.66/7$55.81/8$60.11

PAINTER (SPRAY OR SANDBLAST, NEW) *	01/01/2011	$55.310	07/01/2011	$56.310	01/01/2012	$57.310
	07/01/2012	$58.310	01/01/2013	$59.310		

* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used.

This wage schedule must be posted at the work site in accordance with M.G.L. c. 149, § 27. Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. c. 149, § 27. Employees not receiving such rates should report the violation to the Fair Labor Division of the Office of the Attorney General , 100 Cambridge Street, Boston, MA 02108; Tel: 617-727-3465. Contractors with questions about the wage rates or classifications included on the wage schedules have an affirmative obligation to inquire with DOS at www.mass.gov/dos/pw or at 617-626-6952.

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Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

Awarding Authority: Town of Framingham

Contract Number: PW165

City/Town: FRAMINGHAM

Description of Work: Road Rehabilitation Works - Rehabilitation of the asphalt surface courses, curbs and sidewalks, on public roads and or segments

Job Location: Various Locations throughout the Town

Classification	Effective Dates and Total Rates					
APPRENTICE: PAINTER Local 35 Zone 2 - Spray/Sandblast - New						
Ratio / Step / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8						
1:1 / % / 50.00 / 55.00 / 60.00 / 65.00 / 70.00 / 75.00 / 80.00 / 90.00						
Apprentice wages shall be no less than the following:						
Step 1$24.76/2$31.85/3$33.55/4$35.24/5$45.14/6$46.83/7$48.53/8$51.92						
PAINTER (SPRAY OR SANDBLAST, REPAINT)	01/01/2011	$53.370	07/01/2011	$54.370	01/01/2012	$55.370
	07/01/2012	$56.370	01/01/2013	$57.370		
APPRENTICE: PAINTER Local 35 Zone 2 - Spray/Sandblast - Repaint						
Ratio / Step / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8						
1:1 / % / 50.00 / 55.00 / 60.00 / 65.00 / 70.00 / 75.00 / 80.00 / 90.00						
Apprentice wages shall be no less than the following:						
Step 1$23.79/2$30.78/3$32.38/4$33.98/5$43.78/6$45.38/7$46.98/8$50.17						
PAINTER (TRAFFIC MARKINGS)	12/01/2010	$45.750	06/01/2011	$46.750	12/01/2011	$48.000
PAINTER / TAPER (BRUSH, NEW) *	01/01/2011	$53.910	07/01/2011	$54.910	01/01/2012	$55.910
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used.	07/01/2012	$56.910	01/01/2013	$57.910		
APPRENTICE: PAINTER - Local 35 Zone 2 - BRUSH NEW						
Ratio / Step / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8						
1:1 / % / 50.00 / 55.00 / 60.00 / 65.00 / 70.00 / 75.00 / 80.00 / 90.00						
Apprentice wages shall be no less than the following: Steps are 750 hrs.						
Step 1$24.06/2$31.08/3$32.71/4$34.33/5$44.16/6$45.78/7$47.41/8$50.66						
PAINTER / TAPER (BRUSH, REPAINT)	01/01/2011	$51.970	07/01/2011	$52.970	01/01/2012	$53.970
	07/01/2012	$54.970	01/01/2013	$55.970		
APPRENTICE: PAINTER Local 35 Zone 2 - BRUSH REPAINT						
Ratio / Step / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8						
1:1 / % / 50.00 / 55.00 / 60.00 / 65.00 / 70.00 / 75.00 / 80.00 / 90.00						
Apprentice wages shall be no less than the following: Steps are 750 hrs.						
Step 1$23.09/2$30.01/3$31.54/4$33.07/5$42.80/6$44.33/7$45.86/8$48.91						
PANEL & PICKUP TRUCKS DRIVER	12/01/2010	$44.260	06/01/2011	$45.010	12/01/2011	$45.670
	06/01/2012	$46.320	12/01/2012	$47.350		
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK)	08/01/2010	$62.570	08/01/2011	$65.320		
PILE DRIVER	08/01/2010	$62.570	08/01/2011	$65.320		
APPRENTICE: PILE DRIVER - Local 56 Zone 1						
Ratio / Step / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8						
1:3 / % / 60.00 / 65.00 / 70.00 / 75.00 / 80.00 / 85.00 / 90.00 / 95.00						
Apprentice wages shall be no less than the following:						
Step 1$47.62/2$49.49/3$51.36/4$53.23/5$55.10/6$56.96/7$58.83/8$60.70						
PIPEFITTER & STEAMFITTER	09/01/2010	$68.730				

This wage schedule must be posted at the work site in accordance with M.G.L. c. 149, § 27. Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. c. 149, § 27. Employees not receiving such rates should report the violation to the Fair Labor Division of the Office of the Attorney General, 100 Cambridge Street, Boston, MA 02108; Tel: 617-727-3465. Contractors with questions about the wage rates or classifications included on the wage schedules have an affirmative obligation to inquire with DOS at www.mass.gov/dos/pw or at 617-626-6952.

Issue Date: 03/02/2011 **Wage Request Number:** 20110302-014

THE COMMONWEALTH OF MASSACHUSETTS
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Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

Awarding Authority: Town of Framingham

Contract Number: PW165 **City/Town:** FRAMINGHAM

Description of Work: Road Rehabilitation Works - Rehabilitation of the asphalt surface courses, curbs and sidewalks, on public roads and or segments

Job Location: Various Locations throughout the Town

Classification	Effective Dates and Total Rates					
APPRENTICE: PIPEFITTER - Local 537						
Ratio Step 1 2 3 4 5						
** % 40.00 45.00 60.00 70.00 80.00						
Apprentice Rates-Step1$33.44/2$43.38/3$50.29/4$54.90/5$59.51 ** 1:3; 3:15; 1:10 thereafter/Steps are 1 yr.						
Refrig/AC Mechanic **1:1;1:2;2:4;3:6;4:8;5:10;6:12;7:14;8:17;9:20;10:23(Max)						
PIPELAYER	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
PLUMBERS & GASFITTERS	03/01/2011	$67.500	09/01/2011	$68.250	03/01/2012	$69.050
	09/01/2012	$70.300	03/01/2013	$71.550		
APPRENTICE: PLUMBER - Local 12						
Ratio Step 1 2 3 4 5						
** % 35.00 40.00 55.00 65.00 75.00						
Apprentice wages shall be no less than the following: ** 1:2; 2:6; 3:10; 4:14; 5:19/Steps are 1 yr						
Step 1$30.01/2$32.89/3$41.54/4$47.31/ 4w/lic$50.20 /5$53.09/ 5w/lic$55.98						
PNEUMATIC CONTROLS (TEMP.)	09/01/2010	$68.730				
PNEUMATIC DRILL/TOOL OPERATOR	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
POWDERMAN & BLASTER	12/01/2010	$46.750	06/01/2011	$47.750	12/01/2011	$49.000
POWER SHOVEL/DERRICK/TRENCHING MACHINE	12/01/2010	$60.980				
PUMP OPERATOR (CONCRETE)	12/01/2010	$60.980				
PUMP OPERATOR (DEWATERING, OTHER)	12/01/2010	$49.690				
READY-MIX CONCRETE DRIVER	05/01/2010	$43.410	05/01/2011	$44.650		
RECLAIMERS	12/01/2010	$60.630				
RESIDENTIAL WOOD FRAME CARPENTER **	04/01/2009	$35.620				
** The Residential Wood Frame Carpenter classification applies only to the construction of new, wood frame residences that do not exceed four stories including the basement.						
As of 9/1/09 Carpentry work on wood-frame residential WEATHERIZATION projects shall be paid the RESIDENTIAL WOOD FRAME CARPENTER rate.						
APPRENTICE: CARPENTER (Residential Wood Frame) - Zone 2						
Ratio Step 1 2 3 4 5 6 7 8						
1:5 % 60.00 60.00 65.00 70.00 75.00 80.00 85.00 90.00						
Apprentice wages shall be no less than the following:						
Step 1$20.13/2$26.04/3$27.23/4$28.43/5$29.63/6$30.83/7$32.03/8$33.22						
RIDE-ON MOTORIZED BUGGY OPERATOR	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
ROLLER/SPREADER/MULCHING MACHINE	12/01/2010	$60.630				
ROOFER (Inc.Roofer Waterproofng &Roofer Damproofg)	02/01/2011	$54.860	08/01/2011	$55.860	02/01/2012	$56.860
	08/01/2012	$57.860	02/01/2013	$58.860		
APPRENTICE: ROOFER - Local 33						
Ratio Step 1 2 3 4 5						
** % 50.00 60.00 65.00 75.00 85.00						
** 1:5, 2:6-10, the 1:10; Reroofing: 1:4, then 1:1 Step 1 is 2000 hrs.; Steps 2-5 are 1000 hrs.						
Apprentice rates no less than: Step 1$30.41/2$40.64/3$42.41/4$45.97/5$49.53						

This wage schedule must be posted at the work site in accordance with M.G.L. c. 149, § 27. Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. c. 149, § 27. Employees not receiving such rates should report the violation to the Fair Labor Division of the Office of the Attorney General, 100 Cambridge Street, Boston, MA 02108; Tel: 617-727-3465. Contractors with questions about the wage rates or classifications included on the wage schedules have an affirmative obligation to inquire with DOS at www.mass.gov/dos/pw or at 617-626-6952.

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Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

Awarding Authority: Town of Framingham

Contract Number: PW165

City/Town: FRAMINGHAM

Description of Work: Road Rehabilitation Works - Rehabilitation of the asphalt surface courses, curbs and sidewalks, on public roads and or segments

Job Location: Various Locations throughout the Town

Classification	Effective Dates and Total Rates					
ROOFER SLATE / TILE / PRECAST CONCRETE	02/01/2011	$55.110	08/01/2011	$56.110	02/01/2012	$57.110
	08/01/2012	$58.110	02/01/2013	$59.110		

APPRENTICE: ROOFER (Slate/Tile/Precast Concrete) - Local 33

Ratio	Step	1	2	3	4	5
**	%	50.00	60.00	65.00	75.00	85.00

Apprentices wages shall be paid no less than the following:

Step 1$30.54/2$40.79/3$42.58/4$46.16/5$49.74

SHEETMETAL WORKER	02/01/2011	$65.170	08/01/2011	$66.420	02/01/2012	$67.670
	08/01/2012	$68.920	02/01/2013	$70.170		

APPRENTICE: SHEET METAL WORKER - Local 17-A

Ratio	Step	1	2	3	4	5	6	7
1:4	%	40.00	45.00	50.00	60.00	65.00	75.00	85.00

Steps 1-3 are 1 year; Steps 4-7 are 6 mos.

Apprentice wages shall be no less than the following:

Step 1$28.86/2$34.49/3$37.38/4$42.38/5$45.01/6$50.27/7$55.03

SIGN ERECTOR	06/01/2009	$37.780

APPRENTICE: SIGN ERECTOR - Local 35 Zone 2

Ratio	Step	1	2	3	4	5	6	7	8	9
1:1	%	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00

Steps are 4 mos.

Apprentice wages shall be no less than the following:

Step 1$19.48/2$23.12/3$24.36/4$25.60/5$30.34/6$31.58/7$32.82/8$34.06/9$35.30

SPECIALIZED EARTH MOVING EQUIP <35 TONS	12/01/2010	$44.720	06/01/2011	$45.470	12/01/2011	$46.130
	06/01/2012	$46.780	12/01/2012	$47.810		
SPECIALIZED EARTH MOVING EQUIP >35 TONS	12/01/2010	$45.010	06/01/2011	$45.760	12/01/2011	$46.420
	06/01/2012	$47.070	12/01/2012	$48.100		
SPRINKLER FITTER	01/01/2011	$70.550	09/01/2011	$71.350	01/01/2012	$71.500
	03/01/2012	$72.250	09/01/2012	$73.250	01/01/2013	$73.400
	03/01/2013	$74.400				

APPRENTICE: SPRINKLER FITTER - Local 550

Ratio	Step	1	2	3	4	5	6	7	8	9	10
1:1	%	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00

Apprentice wages shall be no less than the following steps:

1$36.20/2$38.75/3$41.30/4$43.85/5$46.40/6$48.95/7$51.50/8$54.05/9$56.60/10$59.15

STEAM BOILER OPERATOR	12/01/2010	$60.630
TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN	12/01/2010	$60.630
TELECOMMUNICATION TECHNICIAN	03/01/2011	$56.300

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Issue Date: 03/02/2011 **Wage Request Number:** 20110302-014

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Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

Awarding Authority: Town of Framingham

Contract Number: PW165 **City/Town:** FRAMINGHAM

Description of Work: Road Rehabilitation Works - Rehabilitation of the asphalt surface courses, curbs and sidewalks, on public roads and or segments

Job Location: Various Locations throughout the Town

Classification	Effective Dates and Total Rates					
APPRENTICE: TELECOMMUNICATION TECHNICIAN - Local 103						
Ratio Step 1 2 3 4 5 6 7 8						
1:1 % 40.00 45.00 50.00 55.00 60.00 65.00 75.00 80.00						
Apprentice wages shall be no less than the following:						
Step 1$37.09/2$38.69/3$40.30/4$41.89/5$43.49/6$45.10/7$48.30/8$49.90						
TERRAZZO FINISHERS	03/01/2011	$69.840	08/01/2011	$71.940	02/01/2012	$72.930
APPRENTICE: TERRAZZO FINISHER - Local 3 Marble & Tile						
Ratio Step 1 2 3 4 5						
1:3 % 50.00 60.00 70.00 80.00 90.00						
Apprentice wages shall be no less than the following: Steps are 800 hrs.						
Step 1$47.77/2$52.18/3$56.60/4$61.01/5$65.43						
TEST BORING DRILLER	12/01/2010	$50.500	06/01/2011	$51.500	12/01/2011	$52.750
TEST BORING DRILLER HELPER	12/01/2010	$49.220	06/01/2011	$50.220	12/01/2011	$51.470
TEST BORING LABORER	12/01/2010	$49.100	06/01/2011	$50.100	12/01/2011	$51.350
TRACTORS/PORTABLE STEAM GENERATORS	12/01/2010	$60.630				
TRAILERS FOR EARTH MOVING EQUIPMENT	12/01/2010	$45.300	06/01/2011	$46.050	12/01/2011	$46.710
	06/01/2012	$47.360	12/01/2012	$48.390		
TUNNEL WORK - COMPRESSED AIR	12/01/2010	$61.680	06/01/2011	$62.930	12/01/2011	$64.180
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE)	12/01/2010	$63.680	06/01/2011	$64.930	12/01/2011	$66.180
TUNNEL WORK - FREE AIR	12/01/2010	$53.750	06/01/2011	$55.000	12/01/2011	$56.250
TUNNEL WORK - FREE AIR (HAZ. WASTE)	12/01/2010	$55.750	06/01/2011	$57.000	12/01/2011	$58.250
VAC-HAUL	12/01/2010	$44.720	06/01/2011	$45.470	12/01/2011	$46.130
	06/01/2012	$46.780	12/01/2012	$47.810		
WAGON DRILL OPERATOR	12/01/2010	$46.000	06/01/2011	$47.000	12/01/2011	$48.250
WASTE WATER PUMP OPERATOR	12/01/2010	$60.980				
WATER METER INSTALLER	03/01/2011	$67.500	09/01/2011	$68.250	03/01/2012	$69.050
	09/01/2012	$70.300	03/01/2013	$71.550		
Outside Electrical - East						
CABLE TECHNICIAN (Power Zone)	08/30/2010	$34.050	08/29/2011	$35.310		
CABLEMAN (Underground Ducts & Cables)	08/30/2010	$44.320	08/29/2011	$46.110		
DRIVER / GROUNDMAN CDL	08/30/2010	$39.360	08/29/2011	$40.830		
DRIVER / GROUNDMAN -Inexperienced (<2000 Hrs)	08/30/2010	$31.890	08/29/2011	$33.050		
EQUIPMENT OPERATOR (Class A CDL)	08/30/2010	$48.320	08/29/2011	$50.110		
EQUIPMENT OPERATOR (Class B CDL)	08/30/2010	$41.760	08/29/2011	$43.340		
GROUNDMAN	08/30/2010	$31.390	08/29/2011	$32.550		
GROUNDMAN -Inexperienced (<2000 Hrs.)	08/30/2010	$26.840	08/29/2011	$27.790		
JOURNEYMAN LINEMAN	08/30/2010	$57.510	08/29/2011	$59.620		

This wage schedule must be posted at the work site in accordance with M.G.L. c. 149, § 27. Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. c. 149, § 27. Employees not receiving such rates should report the violation to the Fair Labor Division of the Office of the Attorney General, 100 Cambridge Street, Boston, MA 02108; Tel: 617-727-3465. Contractors with questions about the wage rates or classifications included on the wage schedules have an affirmative obligation to inquire with DOS at www.mass.gov/dos/pw or at 617-626-6952.

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF OCCUPATIONAL SAFETY

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

Prevailing Wage Rates

As determined by the Commissioner under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27H

JOANNE F. GOLDSTEIN
Secretary of Labor and Workforce Development

GEORGE E. NOEL
Director of Labor

HEATHER E. ROWE
Acting Commissioner of
Division of Occupational Safety

Awarding Authority: Town of Framingham

Contract Number: PW165

City/Town: FRAMINGHAM

Description of Work: Road Rehabilitation Works - Rehabilitation of the asphalt surface courses, curbs and sidewalks, on public roads and or segments

Job Location: Various Locations throughout the Town

Classification	Effective Dates and Total Rates	
APPRENTICE: LINEMAN (Outside Electrical) - East Local 104		
Ratio / Step: 1:2 / % — 1: 60.00; 2: 65.00; 3: 70.00; 4: 75.00; 5: 80.00; 6: 85.00; 7: 90.00		
Apprentice wages shall be no less than the following:		
Step 1$34.59/2$36.99/3$39.65/4$42.30/5$44.95/6$47.61/7$50.76		
TELEDATA CABLE SPLICER	03/01/2007	$27.330
TELEDATA LINEMAN/EQUIPMENT OPERATOR	03/01/2007	$27.330
TELEDATA WIREMAN/INSTALLER/TECHNICIAN	03/01/2007	$27.330
TREE TRIMMER	02/01/2009	$19.010
This classification applies only to the trimming of branches on and around utility lines.		
TREE TRIMMER GROUNDMAN	02/01/2009	$17.060
This classification applies only to the trimming of branches on and around utility lines.		

Additional Apprentice Information:
Minimum wage rates for apprentices employed on public works projects are listed above as a percentage of the pre-determined hourly wage rate established by the Commissioner under the provisions of the M.G.L. c. 149, ss. 26-27D. Apprentice ratios are established by the Division of Apprenticeship Training pursuant to M.G.L. c. 23, ss. 11E-11L.

All apprentices must be registered with the Division of Apprenticeship Training in accordance with M.G.L. c. 23, Section 11.

All steps are six months (1000 hours) unless otherwise specified.

* Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof.
** Multiple ratios are listed in the comment field.
*** The job site ratio of 2 apprentices (APP) for every 3 journeymen (JM) is allowed as follows:
1 JM: 1 APP; 2-3 JM: 2 APP; 4-6 JM: 4 APP; 7-9 JM: 6 APP; 10-12 JM: 8 APP; 13-15 JM: 10 APP; etc.
**** The job site ratio of 2 apprentices (APP) for every 3 journeymen (JM) is allowed as follows:
1-2 JM: 1 APP; 3-4 JM: 2 APP; 5 JM: 3 APP; 6-7 JM: 4 APP; 8 JM: 5 APP; etc.

This wage schedule must be posted at the work site in accordance with M.G.L. c. 149, § 27. Failure of the employer to pay "prevailing wage rates," which are the minimum wage rates listed above, on public works projects is a violation of M.G.L. c. 149, § 27. Employees not receiving such rates should report the violation to the Fair Labor Division of the Office of the Attorney General, 100 Cambridge Street, Boston, MA 02108; Tel: 617-727-3465. Contractors with questions about the wage rates or classifications included on the wage schedules have an affirmative obligation to inquire with DOS at www.mass.gov/dos/pw or at 617-626-6952.

Issue Date: 03/02/2011 **Wage Request Number:** 20110302-014

EXHIBIT C

PERFORMANCE BOND

Bond No. 105569016

KNOW ALL MEN BY THESE PRESENT, that we Lorusso Corporation with a place of business at 3 Belcher Street, Plainville, MA 02762 as principal (the "Principal"), and Travelers Casualty and Surety Company of America, a corporation qualified to do business in the Commonwealth of Massachusetts, with a place of business at 350 Granite Street, Braintree, MA 02184 as Surety (the "Surety"), are held and firmly bound unto the Town of Framingham as Obligee (the "Obligee"), in the sum of FIVE HUNDRED THOUSAND AND NO/100THS ($500,000.00) lawful money of the United States of America, to be paid to the Obligee, for which payment, well and truly to be made, we bind ourselves, our respective heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these present.

WHEREAS, the Principal has assumed and made a contract with the Obligee, bearing the date of March 21, 2011, and entitled Contract # PW165 Road Rehabilitation March 10, 2011 - March 9, 2012.

NOW THE CONDITIONS of this obligation are such that if the Principal and all Subcontractors or Suppliers under said contract shall well and truly keep and perform all the undertakings, covenants, agreement, terms, and conditions of said contract on its part to be kept and performed during the original term of said contract and any extensions thereof that may be granted by the Obligee, with or without notice to the Surety, and during the life and including any guarantee required under the contract, and shall also well and truly keep and perform all the undertakings, covenants, agreements, terms and conditions of any and all duly authorized modifications, alterations, changes or additions. The obligations of the Surety set forth herein shall become null and void only if expressly waived in writing by the Obligee Town of Framingham; otherwise such obligations shall remain in full force and virtue.

IN THE EVENT the Contract is abandoned by the Principal, or is terminated by the Obligee, Town of Framingham, under the applicable provisions of the contract, the Surety hereby further agrees that the Surety shall, if requested in writing by the Town of Framingham promptly take all such actions as is necessary to complete said Contract in accordance with its terms and conditions.

IN WITNESS WHEREOF, the Principal and Surety have hereto set their hands and seals this 21st day of March, 20 11.

PRINCIPAL

Lorusso Corporation

[Name and Seal]

Vice Pres

[Title]

Attest: Linda Watterson

SURETY

Travelers Casualty and Surety Company of America

Timothy P. Lyons, Attorney-in-Fact

93 Longwater Circle, Norwell MA 02061

[Address]

781-681-6656

[Phone]

Attest: Claire Cavanaugh

The rate of the Bond is _____% of the first $_____ and _____% for the next $_____.

The total premium for this Bond is $_____.

END OF PERFORMANCE BOND

EXHIBIT D

PAYMENT BOND

Bond No. 105569016

KNOW ALL MEN BY THESE PRESENT, that we Lorusso Corporation with a place of business at 3 Belcher Street, Plainville, MA 02762 as principal (the "Principal"), and Travelers Casualty and Surety Company of America, a corporation qualified to do business in the Commonwealth of Massachusetts, with a place of business at 350 Granite Street, Braintree, MA 02184 as Surety (the "Surety"), are held and firmly bound unto Town of Framingham as Obligee (the "Obligee"), in the sum of FIVE HUNDRED THOUSAND AND NO/100THS ($500,000.00) lawful money of the United States of America, to be paid to the Obligee, for which payment, well and truly to be made, we bind ourselves, our respective heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these present.

WHEREAS, the Principal has assumed and made a contract with the Obligee, bearing the date of March 21, 2011, and entitled Contract # PW165 Road Rehabilitation March 10, 2011 - March 9, 2012.

NOW, THE CONDITIONS of this obligation are such that if the Principal and all Subcontractors under said contract shall pay for all labor performed or furnished and for all materials used or employed in said contract and in any and all duly authorized modifications, alterations, extensions of time, changes or additions to said contract that may hereafter be made, notice to the Surety of such modifications, alterations, extensions of time, changes or additions being hereby waived, the foregoing to include any other purposes or items set out in, and to be subject to, the provisions of Massachusetts General Laws, Chapter 30, Section 39A, and Chapter 149, Section 29, as amended, then this obligation shall become null and void; otherwise, it shall remain in full force and virtue.

IN WITNESS WHEREFORE, the Principal and Surety have hereto set their hands and seals this 21st day of March, 11.

PRINCIPAL

Lorusso Corporation

[Name and Seal]

Vice Pres

[Title]

Attest: Linda Patterson

SURETY

Travelers Casualty and Surety Company of America

Timothy P. Lyons, Attorney-in-Fact

93 Longwater Circle, Norwell MA 02061

[Address]

781-681-6656

[Phone]

Attest: Claire Cavanaugh

The rate for this Bond is _____% of the first $_____ and _____% for the next $_____.

The total premium for this Bond is $_____.

END OF PAYMENT BOND

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

POWER OF ATTORNEY

TRAVELERS

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 223060

Certificate No. 003984901

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

John C. Driscoll, Elizabeth A. Murphy, Dennis W. Driscoll, Timothy P. Lyons, Claire Cavanaugh, Martin L. Donovan, and George G. Powers

of the City of Norwell, State of Massachusetts, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 23rd day of November, 2010.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

By: George W. Thompson, Senior Vice President

State of Connecticut
City of Hartford ss.

On this the 23rd day of November, 2010, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2011.

Marie C. Tetreault, Notary Public

58440-4-09 Printed in U.S.A.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 3/22/2011

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
The Driscoll Agency, Inc.
93 Longwater Circle
P.O. Box 9120
Norwell MA 02061

CONTACT NAME: Joan Kenney Boylan
PHONE (A/C, No, Ext): 781-421-2480 FAX (A/C, No): 781-421-2481
E-MAIL ADDRESS: jboylan@driscollagency.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Liberty Mutual Fire Insurance	
INSURER B: Everest National Insurance Co	
INSURER C: Travelers Property Casualty C	25674
INSURER D: Liberty Insurance Corporation	
INSURER E: ACE American Insurance	
INSURER F:	

INSURED
Lorusso Corp.
The Avelina Companies, Inc.
3 Belcher Street
Plainville MA 02762

COVERAGES — CERTIFICATE NUMBER: 641973504 — REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X XCU Included GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC			TB2Z11260167031	1/1/2011	1/1/2012	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$1,000,000 $300,000 $10,000 $1,000,000 $2,000,000 $2,000,000
	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS X SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			AS7Z11260167021	1/1/2011	1/1/2012	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$1,000,000 $ $ $ $
B	UMBRELLA LIAB X OCCUR X EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 0			71C8000195111	1/1/2011	1/1/2012	EACH OCCURRENCE AGGREGATE $	$10,000,000 $10,000,000
E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		C46393624	1/1/2011	1/1/2012	X WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $500,000 $500,000 $500,000
C	Contractors Equipment Direct Phys. Loss,80%coin $1,000 Ded. ACV.			T660221D3093TIL11	1/1/2011	1/1/2012	Leased/Rented from Others	300,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES. (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Town of Framingham is included as Additional Insured for General Liability,Excess (Umbrella) Liability & Auto Liability as required by a signed written contract or agreement with the Named Insured. PW165 Rehabilitation Project

CERTIFICATE HOLDER

Town of Framingham
Dept. of Public Works
110 Western Ave
Framingham MA 01702

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Paving Replacement/Storm Water All Schools - Phased Project (1	School Department	5
Category	Division	Priority
Infrastructure	Schools	5

Type	Submitter
Replacement	Matthew Torti
Status	Submitter Title
Submit	Director, Buildings and Grounds

Request Description
Phase 1 of 5. Paving replacement and repair including compliance with federal storm water regulations at all schools - multiphase project. Please note current Town of Framingham unit pricing contract with Lorruso Corporation was used to determine cost.

Request Justification
Paving Replacement/Storm Water All Schools – Phased Project FY13: Multiphase project with ongoing work to preserve, repair, and maintain school parking lots and driveways. Please note that all pavement projects are now subject to the United States Environmental Protection Agency National Pollutant Discharge Elimination System regulations. Each project will now require increased design costs and Planning Board approval. Engineering estimates at this time are an increased cost per project of 40%. Below is a current list of school property most in need of repair in the following priority order: • Potter Road Elementary • Walsh Middle School • Dunning Elementary • King Administration Building • Brophy Elementary • Hemenway Elementary • Fuller Middle School • Stapleton Elementary • Thayer Building • McCarthy Elementary $ 500,000.00 FY14: Continue with paving replacement $ 300,000.00 FY15: Continue with paving replacement $ 300,000.00 FY16: Continue with paving replacement $ 300,000.00 FY17: Continue with paving replacement $ 300,000.00 * Please note that paving must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$500,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$500,000

Proposed Funding Sources	Amount
General Fund	$500,000
	$0
	$0
	$0
	$500,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 11/18/2011

5. Paving Replacement/Storm Water All Schools – Phased Project

FY13:

Multiphase project with ongoing work to preserve, repair, and maintain school parking lots and driveways. Please note that all pavement projects are now subject to the United States Environmental Protection Agency National Pollutant Discharge Elimination System regulations. Each project will now require increased design costs and Planning Board approval. Engineering estimates at this time are an increased cost per project of 40%. Below is a current list of school property most in need of repair in the following priority order:

- Potter Road Elementary
- Walsh Middle School
- Dunning Elementary
- King Administration Building
- Brophy Elementary
- Hemenway Elementary
- Fuller Middle School
- Stapleton Elementary
- Thayer Building
- McCarthy Elementary

$ 500,000.00

FY14:

Continue with paving replacement **$ 300,000.00**

FY15:

Continue with paving replacement **$ 300,000.00**

FY16:

Continue with paving replacement **$ 300,000.00**

FY17:

Continue with paving replacement **$ 300,000.00**

*** Please note that paving must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction work that can be completed in this short time frame.**

POTTER ROAD ELEMENTARY SCHOOL PROJECT
CONSTRUCTION COST ESTIMATE
(Prepared: October 5, 2011)

CONSTRUCTION ITEM	QTY	UNIT	UNIT EST. COST		SUBTOTAL
Pavement area					
1. Bit. & Conc. Excavation					
129.0 Bit conc. Excavation by cold planner	7969	sq yd	$3.50	$27,890	
3. Gravel burrow sub-base - 4"depth					
No. 151	885	cu yd	$32.00	$28,333	
4. Fine grade & compact					
No. 170	7969	sq yd	$2.00	$15,937	
5. Bituminous Concrete Pavement					
460.0 Class I - Type I-1 (4" depth -2courses)	1950	ton	$78.00	$152,087	
				ITEM 1-5	**$224,247**
ADA Sidewalks - right side entrance					
6. Unclassified Excavation					
121.0 Remove concrete sidewalk	244	cu yd	$26.00	$6,356	
7. Curbing					
506.0 Gran. Curb – Str	680	1f	$25.00	$17,000	
506.1 Gran. Curb – curved	160	1f	$29.00	$4,640	
506.2 Gran. Curb – splayed end	0	1f	$29.00	$0	
509.0 Gran. Curb trans - Str	60	1f	$29.00	$1,740	
509.1 Gran. Curb trans - curved	60	1f	$32.00	$1,920	
580.0 Curb removed & reset	0	1f	$15.00	$0	
8. Sidewalks					
701.0 Cement conc. sidewalk	654.2	sq yd	$29.00	$18,972	
701.1 Cement conc. driveway	20.0	sq yd	$34.00	$680	
701.2 Cement conc. Ramp (>5% slope)	75.0	sq yd	$51.00	$3,825	
				ITEM 6-8	**$55,133**
Sidewalks & curbing					
9. Unclassified Excavation					
121.0 Remove concrete sidewalk	93	cu yd	$26.00	$2,407	
10. Curbing					
506.0 Gran. Curb – Str	750	1f	$25.00	$18,750	
506.1 Gran. Curb – curved	0	1f	$29.00	$0	
506.2 Gran. Curb – splayed end	0	1f	$29.00	$0	
509.0 Gran. Curb trans - Str	0	1f	$29.00	$0	
509.1 Gran. Curb trans - curved	0	1f	$32.00	$0	
580.0 Curb removed & reset	855	1f	$15.00	$12,825	
11. Sidewalks					
701.0 Cement conc. sidewalk	166.7	sq yd	$29.00	$4,833	
701.1 Cement conc. driveway	0.0	sq yd	$34.00	$0	
701.2 Cement conc. Ramp (>5% slope)	0.0	sq yd	$51.00	$0	
				ITEMS 9-11	**$38,816**

Misc. Items

12. 220.0 Drainage structure rebuilt	4 each	$160.00	$640	
13. 221.0 Sewer / drain cover adjust	14 each	$115.00	$1,610	
14. 358.0 Gate box adjust	22 each	$90.00	$1,980	
21. Topsoil & Seeding Grass	4000 sq ft	0.65	$2,600	
22. Shade Trees	8 ea	$250.00	$2,000	
23. Misc Signs –	20 ea	$100.00	$2,000	
25. Wooden Guard Rail	420 1f	$35.00	$14,700	
26. 866.0 Arrow markings	280 1f	$4.00	$1,120	
27. 867.08 4" markings	2900 1f	$0.32	$928	
28. Construction Stake out	1 unit		$7,500	
29. Survey as-Built	1 unit		$8,500	
			ITEMS 12-30	
				$43,578

ESTIMATED TOTAL = $361,774

ESTIMATE PREPARED BY:
GLM Engineering Consultants, Inc.
19 Exchange Street
Holliston, MA 01746

(Prepared: October 5, 2011)

SHORT FORM OF AGREEMENT FOR PROCUREMENT BETWEEN TOWN AND CONTRACTOR

#PW-165

V#214

THIS AGREEMENT for **Road Rehabilitation** (hereinafter referred to as the "Project"), is made the 21 **day of** March **2011,** by and between **Lorusso Corp.,** a corporation duly organized under the laws of the Commonwealth of Massachusetts, with a usual place of business at **3 Belcher Street, Plainville, MA 02762**(hereinafter referred to as the "CONTRACTOR"), and the Town of Framingham, a municipal corporation duly organized under the laws of the Commonwealth of Massachusetts, (hereinafter referred to as the "TOWN").

WITNESSETH that the CONTRACTOR and the TOWN, for the consideration hereinafter named, agree as follows:

ARTICLE 1: CONTRACT DOCUMENTS

The Contract Documents consist of the following, and in the event of conflicts or discrepancies among them, they shall be interpreted on the basis of the following priorities:

(1) This short form of agreement for procurement between town and contractor
(2) Contractor's bid or proposal
(3) Invitation for bids, bid specifications, request for proposals or purchase description
(4) Drawings required for the project, if applicable
(5) Copies of all required bonds, certificates of insurance and licenses required under the contract,
(6) The Summary of Conflict of Interest Law for Municipal Employees attached hereto as **Exhibit A**, as well as the acknowledgement of receipt of summary attached hereto as **Exhibit B** and confirmation of completion of online training.
(7) Performance bond in the form attached hereto as **Exhibit C**, and
(8) Payment bond in the form attached hereto as **Exhibit D**

EACH OF WHICH IS ATTACHED HERETO. These documents form the entire Agreement between the parties and there are no other agreements between the parties. Any amendment or modification to this Agreement must be in writing and signed by an official with the authority to bind the Town.

ARTICLE 2: SCOPE OF WORK

The CONTRACTOR shall furnish all materials, labor and equipment, and perform all work shown on the Contract Documents, and the CONTRACTOR agrees to do everything required by this Agreement and the Contract Documents.

ARTICLE 3: TERMS OF AGREEMENT

(a) This Agreement shall be for a term of **(1) year** commencing on **March 10, 2011** and ending on **March 9, 2012** subject to annual appropriation as described in Article 7, "Termination." This Agreement shall not be renewed or extended unless a provision for renewal or extension is contained in the Invitation for Bids or Request for Proposals, in which event the Agreement may be renewed in writing at the sole option of the TOWN, and upon the terms described in writing.

(b) The CONRACTOR hereby agrees that if it fails to carry on the work with reasonable

speed or stops work altogether without due cause, as determined in each case by the TOWN, the TOWN may give written notice to the CONTRACTOR to proceed with the work or to carry on the work more speedily. Three days after the presentation of such notice, if the work is not proceeding to the satisfaction of the TOWN, the CONTRACTOR shall be considered to have defaulted in the performance of this Agreement.

ARTICLE 4: THE CONTRACT SUM

This is a **unit price** contract. The CONTRACTOR agrees to provide to the TOWN items at the specific price points listed in the CONTRACTOR'S bid submission, for the duration of the contract. The TOWN makes no guarantee to purchase any minimum or specific quantity of goods or services under the provisions of this contract.

ARTICLE 5: PAYMENT

(a) The TOWN shall make payment as follows:

On a monthly basis, thirty (30) days after receipt of an invoice for work performed or materials supplied the previous month, the TOWN shall pay the CONTRACTOR the amount of the invoice.

(b) With any invoice, the CONTRACTOR shall submit evidence satisfactory to the TOWN that the goods or supplies have been delivered and/or that the work has been completed in accordance with this Agreement, and that all payrolls, material bills and other indebtedness connected with the work have been paid. The billings shall include, if applicable, all charges for consultants, subcontractors, plans, equipment, models, renderings, travel, reproductions, postage and delivery, and all other expenses. There shall not be any markup for overhead, administration or profit for any of the above listed services.

ARTICLE 6: NON-PERFORMANCE

In the case of any default on the part of the CONTRACTOR with respect to any of the terms of this Agreement, the TOWN shall give written notice thereof, and if said default is not made good within such time as the TOWN shall specify in writing, the TOWN shall notify the CONTRACTOR in writing that there has been a breach of the Agreement, and thereafter the TOWN shall have the right to secure the completion of the work remaining to be done on such terms and in such manner as the TOWN shall determine, and the CONTRACTOR shall pay the TOWN any money that the TOWN shall pay another CONTRACTOR for the completion of the work, in excess of what the TOWN would have paid the CONTRACTOR for the completion of the work, and the CONTRACTOR shall reimburse the TOWN for all expenses incurred by reason of said breach. In case of such breach, the CONTRACTOR shall be entitled to receive payment only for work satisfactorily completed prior to said breach, less any retainage the TOWN is entitled to. The amount of any balance due the CONTRACTOR shall be determined by the TOWN and certified to the CONTRACTOR.

ARTICLE 7: TERMINATION

In addition to the provisions of Article 6 of this Agreement, the TOWN shall have the right to terminate this Agreement if funds are not appropriated or otherwise made available to support the continuation of this Agreement after the first year.

ARTICLE 8: NOTICE

All notices required to be given under this Agreement shall be in writing and shall be effective upon receipt by hand delivery or certified mail to:

Town of Framingham:
Capital Procurement Administrator
Town of Framingham, DPW
110 Western Avenue
Framingham, MA 01702

Contractor:
Name Steven Rose
Title Vice President
Company Lorusso Corp
Address 3 Belcher St
Plainville MA 02762
Phone: 508-695-3252
Fax: 508-699-0724
E-Mail: steve.rose@lorussocorp.com

ARTICLE 9: INSURANCE

(a) The CONTRACTOR shall, at its own expense, obtain and **maintain general liability and motor vehicle liability insurance** policies protecting the TOWN in connection with any operations included in this Contract, **and shall have the TOWN as an additional insured on the policies.** General liability coverage shall be in the amount of at least **$1,000,000** per occurrence and **$2,000,000** aggregate for bodily injury liability and property damage liability.

(b) N/A

(c) The CONTRACTOR shall, before commencing performance of this Contract, provide by insurance for the payment of compensation and the furnishing of other benefits in accordance with Mass. Gen. L. Ch. 152, as amended, to all employed under the Contract and shall continue such insurance in full force and effect during the term of the Contract.

(d) All insurance coverage shall be in force from the time of the Agreement to the date when all work under the Contract is completed and accepted by the TOWN. Certificates and any and all renewals substantiating that required insurance coverage is in effect shall be filed with the TOWN and shall list the TOWN as additional insured for each policy. Since this insurance is normally written on a year-to-year basis, the CONTRACTOR shall notify the TOWN should coverage become unavailable or if its policy should change. Any cancellation of insurance, whether by the insurers or the insured, shall not be valid unless written notice thereof is given by the party proposing cancellation to the

other party and to the TOWN at least fifteen (15) days prior to the intended effective date thereof, which date should be expressed in said notice.

(e) The CONTRACTOR shall indemnify, defend, and save harmless the TOWN and all of the TOWN'S officers, agents and employees from and against all suits and claims of liability of every name and nature, including costs of defending any action, for or on account of any injuries to persons or damage to property of the TOWN or any person, firm, corporation or association arising out of or resulting from any act, omission, or negligence of the CONTRACTOR, subcontractors and its and their agents or employees in the performance of the work covered by this Agreement and/or failure to comply with terms and conditions of this Agreement, but only in respect of such injuries or damages sustained during the performance and prior to the completion and acceptance of the work covered by this Agreement. The foregoing provisions shall not be deemed to be released, waived or modified in any respect by reason of any surety or insurance provided by the CONTRACTOR under the Contract.

ARTICLE 10: PERFORMANCE AND PAYMENT BONDS

(a) The CONTRACTOR shall furnish a **100 % Performance Bond** from a surety company qualified to do business under the laws of the Commonwealth of Massachusetts which is satisfactory to the TOWN in the full amount of the Contract Price and in the form attached as **Exhibit C.**

(b) The CONTRACTOR shall furnish a **100 % Payment Bond** from a surety company qualified to do business under the laws of the Commonwealth of Massachusetts which is satisfactory to the TOWN in the full amount of the Contract Price and in the form attached as **Exhibit D.**

ARTICLE 11: SUBCONTRACTING OF WORK

The CONTRACTOR shall not subcontract any of the work that it is required to perform under this Contract to any corporation, entity or person without the prior written approval of the TOWN.

ARTICLE 12: PREVAILING WAGE RATES

If the work under this Agreement involves the construction of public works, the CONTRACTOR shall pay the prevailing wage and comply with Mass. Gen. L. Ch. 149, Sec. 26 – 27D, and a Statement of Compliance shall be included in the Contract Documents. Pursuant to Mass. Gen. L. Ch. 149, Sec. 26 and 27B, the CONTRACTOR (and every subcontractor) shall file weekly certified payroll records with the TOWN for all employees who have worked on the Project. The TOWN and the CONTRACTOR shall preserve said records for a period of not less than three years from the date of completion of the Contract.

ARTICLE 13: OWNERSHIP OF DOCUMENTS

Upon completion of the final payment to the CONTRACTOR, the TOWN shall be the owner of all plans, specifications, electronic data and computations created by the CONTRACTOR that relate to this Agreement. The TOWN agrees that the information contained therein was produced specifically for this Agreement and agrees to hold the CONTRACTOR harmless from

any liability of the TOWN'S use of these documents in any future project not directly related to the subject matter of this Agreement.

ARTICLE 14: Materials And Workmanship

Unless otherwise specified, all materials and equipment incorporated in the work under the Contract shall be new. All workmanship shall be first class and by persons qualified in the respective trades.

ARTICLE 15: GUARANTEE OF WORK

(a) Except as otherwise specified, all work shall be guaranteed by the CONTRACTOR against defects resulting from the use of inferior materials, equipment, or workmanship for one (1) year from the date of final completion of the Contract.

(b) If, within any guarantee period, repairs or changes are required in connection with guaranteed work, which in the opinion of the TOWN are rendered necessary as a result of the use of materials, equipment or workmanship which are inferior, defective or not in accordance with the terms of the Contract, the CONTRACTOR shall, promptly upon receipt of notice from the TOWN and at its own expense:

(1) Make goods and services conform to this Agreement;

(2) Make good all damage to the site, or equipment or contents thereof, which, in the opinion of the TOWN, is the result of the use of materials, equipment or workmanship which are inferior, defective, or not in accordance with the terms of the Agreement; and

(3) Make good any work or material, or the equipment or site, which is disturbed in fulfilling any such guarantee.

ARTICLE 16: GOVERNING LAW

The CONTRACTOR shall perform the work required under this Contract in conformity with requirements and standards of the TOWN and all applicable laws of the Commonwealth of Massachusetts, its political subdivisions, and the Federal Government.

This Agreement and performance there under are governed by the laws of the Commonwealth of Massachusetts and all other applicable by-laws and administrative rules, regulations and orders.

ARTICLE 17: BINDING AGREEMENT AND ASSIGNMENT OF INTEREST

This Agreement shall be binding upon the TOWN and the CONTRACTOR and the partners, successors, heirs, executors, administrators, assigns and legal representatives of the TOWN and the CONTRACTOR. Neither the TOWN nor the CONTRACTOR shall assign, sublet or transfer any interest in this Agreement without the written consent of each other, and such consent shall not be unreasonably withheld.

ARTICLE 18: MANDATORY ETHICS TRAINING

A summary of the Conflict of Interest Law is attached hereto as **Exhibit A**, and must be distributed to all key employees of the Consultant whose services are specifically required by name, implication or understanding of the parties. Pursuant to Chapter 28 of the Acts of 2009, as amended, all key employees must complete online ethics training on the State Ethics Commission's website, www.mass.gov/ethics. Within thirty (30) days of the date of this Agreement, each key employee must provide to the Town Clerk (with a copy to the Department of Public Works) a signed acknowledgement of receipt of the summary of the Conflict of Interest Law, in the form attached hereto as **Exhibit B**, and a certificate of completion of the online training which must be printed at the completion of the training. In the event that the term of this agreement extends for more than two years, all continuously employed key employees shall repeat the online training and provide the Town with a new certificate of completion within ninety (90) before or ninety (90) days after the two-year anniversary of the date of this Agreement. Any new key employee who becomes employed by the Consultant after the date of this Agreement and whose services are specifically required by this Agreement must complete the online training and provide the Town with a certificate of completion within thirty (30) days of the date on which his services commence pursuant to this Agreement. Satisfaction of these requirements is the sole responsibility of the Consultant and its key employees, and the town shall have no liability for the Consultant's or its key employees' failure to meet these requirements.

THE REMAINDER OF THIS PAGE

IS LEFT BLANK ITENTIONALLY

IN WITNESS WHEREOF the parties hereto have executed copies of this Agreement the day and year first above written. *

*If a Corporation, attach to each signed copy of this Contract an attested copy of the vote of the Corporation on authorizing the said signing and sealing.

CONTRACTOR: Lorusso Corp

BY: _____

Title: Vice President

Corporate Seal:

William R. Sedewitz 3/30/11
William R. Sedewitz, P.E.
Chief Engineer
Department of Public Works

David R. Williams, Chief Procurement Officer *and* Assistant Town Manager

Dated: 4/7/11

Approved As To Form

Christopher J. Petrini
Town Counsel

Dated: 4/6/11

Approved as to Funds Availability will be confirmed by issuance of official Town of Framingham Purchase Orders

Richard G. Howarth
Town Accountant

Dated: 4/7/11

Julian M. Suso
Town Manager

Dated: 4/7/11

Funding Source:

Key Org: DPW On Call Contract
All DPW Orgs

Account: Operating and Capital

EXHIBIT A

Mandatory Training Requirements - Summaries and Online Training

Mandatory educational requirements under the Ethics Reform Bill

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- **Summary of the Conflict of Interest Law for Municipal Employees**

By December 28, 2009, and on an annual basis thereafter, all current municipal employees must be provided with this summary of the conflict of interest law. Municipal employees hired after December 28, 2009, should be provided with the summary within 30 days of the date on which they commence employment, and on an annual basis thereafter. Every municipal employee is required to sign a written acknowledgment that he has been provided with the summary.

- **Online Training Program**

www.mass.gov/ethics - Under Education & Training Resources

By 12/28/09, and every 2 years thereafter, all current state, county and municipal employees must complete this training. Public employees hired after 12/28/09 must complete this training within 30 days of beginning public service, and every 2 years thereafter. This training is designed primarily for state employees. County and municipal employees should also use this training until it is revised with one tailored to them. Upon completing the program, employees should print out the completion certificate and keep a copy for themselves. Employees will be required to provide a copy of the completion certificate to the Town or City Clerk (municipal employees), their employing agency (appointed state and county employees), or to the Ethics Commission (elected state and county employees). Completing the single program will be considered by the Commission as meeting the Bill's training requirements until a second program is added. When multiple users attempt to complete the current training program using the same computer they may experience a problem accessing the beginning of the program. The user will need to open their internet browser, click on "Tools", then "Internet Options", select "Delete Cookies", then click "OK". The user will be able to click back on the Online Training module on the Commission's website and start at the beginning.

****
****

After you have completed the Online Training, print out the "State Ethics Commission Receipt", and return with the receipt on Page 9 of this packet "Conflict of Interest Law" .

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Replace Rooftop AHU's and Ventilation Equipment - Multiple Schools - Phased Project (2	School Department	6
Category	Division	Priority
Building	Schools	6

Type	Submitter
Replacement	Matthew Torti
Status	Submitter Title
Submit	Director, Buildings and Grounds

Request Description
Phase 2 of 6. Continue upgrading AHU equipment at Walsh and Barbieri Schools, then other schools on an annual basis.

Request Justification
Replace Rooftop AHU's and Ventilation Equipment – Multiple Schools – Phased Project FY12: Barbieri School has large rooftop air handling units and ventilation equipment that are over 40 years old. The units run 24/7 year round and should be replaced as part of a systematic maintenance program. Motors, shafts and bearings have become a maintenance problem with constant breakdowns. Controls are analog technology and are outdated. The scope of work involves the replacement of seven air handlers and six condenser units of the following sizes: 2 25-ton units, 1 30-ton unit, 2 40-ton units, 2 60-ton units, 2 25-ton units, 3 20-ton units and 1 40-ton self-contained roof top unit with air conditioning. Complete FY13: Continue upgrading AHU equipment at Walsh Middle and Barbieri Elementary schools. In addition, due to changes in building code requirements for snow and wind loading, additional structural support is required for the ventilation and air handling roof top units. $300,000.00 FY14: Continue upgrading AHU equipment at several schools annually. $200,000.00 FY15: Continue upgrading AHU equipment at several schools annually. $200,000.00 FY16: Continue upgrading AHU equipment at several schools annually. $200,000.00 FY17: Continue upgrading AHU equipment at several schools annually. $200,000.00 * Please note that this rooftop ventilation work must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$300,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$300,000

Proposed Funding Sources	Amount
General Fund	$300,000
	$0
	$0
	$0
	$300,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 11/18/2011

6. Replace Rooftop AHU's and Ventilation Equipment – Multiple Schools – Phased Project

FY12:

Barbieri School has large rooftop air handling units and ventilation equipment that are over 40 years old. The units run 24/7 year round and should be replaced as part of a systematic maintenance program. Motors, shafts and bearings have become a maintenance problem with constant breakdowns. Controls are analog technology and are outdated. The scope of work involves the replacement of seven air handlers and six condenser units of the following sizes: 2 25-ton units, 1 30-ton unit, 2 40-ton units, 2 60-ton units, 2 25-ton units, 3 20-ton units and 1 40-ton self-contained roof top unit with air conditioning.

Complete

FY13:

Continue upgrading AHU equipment at Walsh Middle and Barbieri Elementary schools. In addition, due to changes in building code requirements for snow and wind loading, additional structural support is required for the ventilation and air handling roof top units.

$300,000.00

FY14:

Continue upgrading AHU equipment at several schools annually.

$200,000.00

FY15:

Continue upgrading AHU equipment at several schools annually.

$200,000.00

FY16:

Continue upgrading AHU equipment at several schools annually.

$200,000.00

FY17:

Continue upgrading AHU equipment at several schools annually.

$200,000.00

*** Please note that this rooftop ventilation work must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.**

George T. Wilkinson, Inc.
405 VFW Drive
Rockland, MA 02370
Tel: (781) 335-2622
Toll-Free: (800) 777-1629
Fax: (781) 337-5797
www.gtwilkinson.com
www.boilerroominsider.com

From: Bob Caudle [mailto:bcaudle@newenglandair.net]
Sent: Saturday, October 15, 2011 12:47 PM
To: Al Bishop
Subject: Framingham schools

Al, pricing for two schools in Framingham, sorry no proposal and pricing is budget. Looked at work Wednesday/ Thursday and call units into supplier for pricing. Not a lot of time to get riggers, electricians, roofer, ect.

Barberei School
Unit VS-5 40 ton gas heat and cooling $96,300 complete
Unit VS-7 20 ton cooling only $82,500 complete
Unit VS-1, 2 ventilation units (no heating or cooling) $65,000 each
Unit VS-6 old pool 50 ton gas heat and cooling $130,000 complete
Engineering, units, steel supports, rigging, controls, roofing, electrical.

Walsh school
Kitchen air handler 11,500 CFM unit steam heat (no cooling) $39,800
Café air handler 7400 CFM unit steam heat (no cooling) $37,100
Demo units, hang units, new duct work to connect to existing,
Steam piping, wiring, controls.

Call me Monday Tim needs this back Monday for Tuesday budget meeting.

Bob

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Mechanical, Electrical, Plumbing Upgrades - All Schools - Multiple Systems (1	School Department	7
Category	Division	Priority
Building	Schools	7

Type	Submitter
Replacement	Matt Torti
Status	Submitter Title
Submit	Director, Buildings and Grounds

Request Description
Phase 1 of 5. Mechanical, electrical and plumbing ugrades in all schools in order to properly maintain buildings.

Request Justification
Mechanical, Electrical, Plumbing Upgrades – All Schools – Multiple Systems Phased Project FY13: To properly maintain school buildings so they are safe, efficient and sound, mechanical, electrical and plumbing upgrades on multiple systems need to be performed. All schools will require upgrades in the near future. Attached is a prioritized list of pumps, drives, motors, lighting, burners and appurtenances. $ 150,000.00 FY14: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 FY15: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 FY16: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 FY17: Continue with mechanical, electrical and plumbing upgrades $ 150,000.00 * Please note that the majority of the mechanical, electrical and plumbing upgrades listed must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$150,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$150,000

Proposed Funding Sources	Amount
General Fund	$150,000
	$0
	$0
	$0
	$150,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 11/18/2011

7. Mechanical, Electrical, Plumbing Upgrades – All Schools – Multiple Systems Phased Project

FY13:

To properly maintain school buildings so they are safe, efficient and sound, mechanical, electrical and plumbing upgrades on multiple systems need to be performed. All schools will require upgrades in the near future. Attached is a prioritized list of pumps, drives, motors, lighting, burners and appurtenances.

$ 150,000.00

FY14:

Continue with mechanical, electrical and plumbing upgrades **$ 150,000.00**

FY15:

Continue with mechanical, electrical and plumbing upgrades **$ 150,000.00**

FY16:

Continue with mechanical, electrical and plumbing upgrades **$ 150,000.00**

FY17:

Continue with mechanical, electrical and plumbing upgrades **$ 150,000.00**

*** Please note that the majority of the mechanical, electrical and plumbing upgrades listed must be completed during the months of July and August when students are not in the schools. Requested amounts reflect the amount of construction and installation work that can be completed in this short time frame.**

MECHANICAL, ELECTRICAL, PLUMBING REQUESTS FY13 REVISED 10/17/2011

HVAC	REQUEST	PRIORITY	EST. COST	QUOTE	LABOR
Install temp controls head end several schools	new	1	$ 3,500.00	written	A. Russo
Tune 34 boilers	new	1	$ 11,490.00	written	Wilkinson
Replace 3-way valve Hemenway	new	1	$ 20,000.00	written	Wilkinson
Insulate boiler feed tank	new	1	$ 3,170.00	written	Wilkinson
Install VFD boiler pumps Potter Road	new	1	$ 12,000.00	written	Wilkinson
PLUMBING					
Domestic boiler and storage tank Stapleton	new	1	$ 9,326.00	written	B&G
Replace all urinals, toilets, flushometers King	new	1	$ 12,366.93	written	B&G
Replace flushometers, toilets, countertops, Juniper	old	1	$ 19,243.25	written	B&G
ELECTRICAL					
Parking lot lighting FHS retrofit	new	1	$ 42,799.80	written	Northern
Replace roof fans multiple schools phased replacement	new	1	$ 10,000.00	written	B&G
New lighting fixtures Brophy corridors	new	1	$ 9,414.50	written	B&G
Replacement lighting fixtures Hemenway corridors	new	1	$ 6,299.00	written	B&G
GENERAL REPAIRS					
New bathroom partitions Stapleton	new	2	$ 5,600.00	verbal	Sallese
New Bathroom partitions Hemenway	new	3	$ 5,600.00	verbal	Sallese
TOTAL			**$ 170,809.48**		

RUSSO'S AIR
38 MELLEN STREET
HOPEDALE MA 01747

October 14, 2011
Framingham School Dept.
Cameron School
Attn Tim Rivers

We propose to furnish all material and perform all labor necessary to complete the following:

For the installation of low ambient temperature controls for the split system for Head End room at Cameron School.

One year warranty on parts and labor.
All work shall be performed in a good workmanship manner.

We propose to furnish material and labor, complete in accordance with above specifications, for the sum of: **Five Hundred Dollars**
$500.00

Contractor's signature: _____

Acceptance of proposal. The above price, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Owners signature: _____ Date: _____

RECEIVED
OCT 20 2011

WILKINSON
GEORGE T. WILKINSON, INC.
ENERGY EFFICIENCY ENGINEERS

June 16, 2011

Mr. Tim Rivers
Framingham Public Schools
14 Vernon St.
Framingham, MA 01701

Via Email: trivers@framingham.k12.ma.us

RE: Cleanings/Repair Work

Dear Mr. Rivers,

Please find the following pricing as discussed at our recent walk thru of the schools.

- Fireside cleaning of all 34 boilers:	**$22,200.00**
- Tune up all 34 burners:	**$11,490.00**
- Replace approximately 25 feet of 4" steam piping in the tunnel under the gym to include the asbestos removal:	**$10,971.00**
- Replace the three way valve complete with actuator and replace the pneumatic bypass valve at the pump set with an OS&Y valve at the following schools:	
• Juniper Hill Schools (3"-3 way and 3" OS&Y and VFDS):	**$13,721.00**
• Dunning School (8"-3 way and 3" OS&Y):	**$21,171.00**

Note: The above pricing on the 3 way valves do not include any wiring costs, power or control. We anticipate AEM will incorporate the actuators with the existing system.

Thank you for the opportunity to quote you on the work and please contact me directly if you have any questions on the above proposals.

Sincerely,

Alan C. Bishop
Vice President Sales
ACB/k

405 VFW DRIVE • ROCKLAND, MA 02370
PHONE: (781) 335-2622 • SERVICE FAX: (781) 335-9162 • SALES FAX: (781) 337-5797
email: energy@gtwilkinson.com • www.gtwilkinson.com • www.boilerroominsider.com

WILKINSON
GEORGE T. WILKINSON, INC.
ENERGY EFFICIENCY ENGINEERS

October 13, 2011

Mr. Timothy Rivers
Town of Framingham
31 Flagg Drive
Framingham, MA 01701

RE: Budgetary Estimates
2012 Special Projects List

Dear Mr. Rivers,

We appreciate the opportunity and are pleased to present the following to you for your consideration.

To follow are brief descriptions of the work at each location per your request and a budgetary cost estimate for each.

(1) ALL SCHOOLS
The cost to tune the balance of the burners (16 total) will remain the same as 2011.

(2) KING SCHOOL
The budgetary estimate for three (3) new circulating pumps including all required new valving and VFD controls and 3 way valves is:

Three (3) new pumps	$66,000.00
VFD's on three (3) pumps	$17,500.00
Three (3) way valves	$60,000.00

(3) HEMENWAY SCHOOL
The total budgetary estimate to replace one (1) 6" 3 way valve is $20,000.00.

(4) POTTER ROAD SCHOOL
The total cost estimate to furnish and install two (2) new circulating pumps including new valving and VFD controls is:

Two (2) new pumps and valves	$45,000.00
VFD's on new pumps	$12,000.00

405 VFW DRIVE • ROCKLAND, MA 02370
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email: energy@gtwilkinson.com • www.gtwilkinson.com • www.boilerroominsider.com

(5) BROPHY SCHOOL

The total cost estimate to furnish and install two (2) new circulating pumps including new valving and VFD controls is:

Two (2) new pumps and valves	$45,000.00
VFD's on new pumps	$12,000.00

If you have any questions or if I can be of assistance in any way, please contact me directly.

Very truly yours,

Alan C. Bishop
Vice President Sales

ACB/k

WILKINSON
GEORGE T. WILKINSON, INC.
ENERGY EFFICIENCY ENGINEERS

March 24, 2011

Town of Framingham
31 Flagg Drive
Framingham, MA 01701

Attn: Mr. Matt Torti

RE: Various Projects

Dear Mr. Torti,

To follow and are attached individual quotations for various projects at the schools.

(1) Cameron
Cameron is one the of the only schools left , Thayer and Stapleton are the others, that does not have Autoflame. The burners are in good condition and can be retrofitted with the components only.

Total cost per burner: $18,600.00

(2) Wilson
Please see the attached *Fastfire* quotation to repair the rear boiler piping and valves.

(3) McCarthy
We propose to remove the existing problematic water pumps and install two (2) new pumps, triple duty valves and suction diffusers.

Total cost for new pumps, valves & piping: $44,539.00

(4) Walsh Insulation
To follow is a brief description of the insulation to be installed in the crawlspace and boiler room.

1. AHU Piping – We will insulate the un-insulated piping at the AHU (16 total) connections (approximately 150 total lineal feet). Insulation will be 1 ½" and 1" thick fiberglass pipe insulation, with a standard ASJ jacket.
Total for AHU piping: $5,642.00

405 VFW DRIVE • ROCKLAND, MA 02370
PHONE: (781) 335-2622 • SERVICE FAX (781) 335-9162 • SALES FAX: (781) 337-5797
e-mail: energy@gtwilkinson.com • web site: www.gtwilkinson.com

2. Steam Leak Repair – We will insulate the un-insulated steam piping (35 lineal feet) located in the tunnels, where the old insulation was removed, to repair the steam leak. Insulation will be 2" thick fiberglass on the mains, and 1 ½" thick fiberglass on the run-outs.
Total for steam leak repair: $1,255.00

3. Boiler Feed Tank – We will insulate the boiler feed tank (121 square feet), using 1 ½" thick mineral wool "pipe & tank" insulation, which will have a FSK foil facing. All of the mineral wool insulation, will be covered with a layer of re-wettable cloth jacket.
Total for boiler feed tank: $3,170.00

4. Tunnel Piping – We will insulate the un-insulated steam condensate and boiler feed piping that is located in the tunnels. All insulation will be 1 ½" and 1" thick fiberglass pipe insulation, with a standard ASJ jacket. Price is per lineal foot; fittings are included in the lineal foot pricing.
Price: $15.75/lineal foot

(5) Thayer Academy
The total cost to completely demolish the existing boiler including all asbestos removal is **$12,900.00.**

This is for the boiler only. The balance of the piping and re-insulation would be in the range of **$15,000.00.**

If you have any questions or if I can be of assistance in any way, please contact me directly.

Very truly yours,

Alan C. Bishop
Vice President Sales

ACB/k

EPUBLIC PLUMBING SUPPLY CO., INC
3 WAVERLY STREET
AMINGHAM, MA 01702
3-620-0600 Fax 508-879-0855

Quotation

QUOTE DATE	QUOTE NUMBER
10/17/11	S3382618

ORDER TO:	PAGE NO.
REPUBLIC PLUMBING SUPPLY CO., 478 WAVERLY STREET FRAMINGHAM, MA 01702 508-620-0600 Fax 508-879-0855	1

QUOTE TO:
FRAMINGHAM SCHOOL DEPT BLDG & GRDS
29 UPPER JOCLYN AVE
FRAMINGHAM, MA 01701

SHIP TO:
FRAMINGHAM SCHOOL DEPT BLDG &
29 UPPER JOCLYN AVE
FRAMINGHAM, MA 01701

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	JOB NAME	SALESPERSON	
799	STAPLETON SCHOOL		DAN MCCARTHY 5370	
WRITER	**SHIP VIA**	**TERMS**	**SHIP DATE**	**FREIGHT**
J MCCARTHY	PK PICK-UP	Net 25th Prox	10/17/11	Yes

ORDER QTY	DESCRIPTION	UNIT PRICE	NET AMOUNT
1EA	208NIL-GEI2 EI N/GAS WATER BOILER W/VENT DAMPER (166K NET) (208NS)	3013.600	3013.60
1EA	MS-119 MEGA-STOR 119 GAL INDIRECT WATER HEATER	3985.100	3985.10
1ea	52722512 UPS26-99FC 1/6HP 3-SPEED 115V. C.I. CIRC. W/FLOCHECK (0011 0013 0014)	359.100	359.10
6ea	1-1/2X10FT LEN COP L	98.768	592.61
20ea	77337 PROPRESS 1-1/2 C 90 ELL	22.978	459.55
10ea	78067 PROPRESS 1-1/2" COUPLING	11.323	113.23
1ea	MHGT MISCELLANEOUS PIPE VALVES AND CLOSE BOILER PIPING (DO NOT PULL)	500.000	500.00
1EA	VJR125TM 1-1/4" SPIROVENT JR AIR ELIMINATOR	138.400	138.40
1EA	ET7 HYDRONIC EXPANSION TANK (HTX60)	78.255	78.26
1ea	B911S-M3 BRONZE 1/2C FEED/BFP (0386462)	86.533	86.53
	TAXES NOT INCLUDED		

THIS IS A QUOTATION
Prices are firm for 60 days, subject to manufacturer's price change.
APPLICABLE TAXES EXTRA!

Subtotal	**9326.38**
S&H CHGS	**0.00**
Amount Due	**9326.38**

REPUBLIC PLUMBING SUPPLY CO., INC
478 WAVERLY STREET
FRAMINGHAM, MA 01702
508-620-0600 Fax 508-879-0855

Quotation

QUOTE DATE	QUOTE NUMBER
10/17/11	S3382598

ORDER TO:	PAGE NO.
REPUBLIC PLUMBING SUPPLY CO., 478 WAVERLY STREET FRAMINGHAM, MA 01702 508-620-0600 Fax 508-879-0855	1

QUOTE TO:
FRAMINGHAM SCHOOL DEPT BLDG & GRDS
29 UPPER JOCLYN AVE
FRAMINGHAM, MA 01701

SHIP TO:
FRAMINGHAM SCHOOL DEPT BLDG &
29 UPPER JOCLYN AVE
FRAMINGHAM, MA 01701

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	JOB NAME	SALESPERSON	
799	KING SCHOOL		DAN MCCARTHY 5370	
WRITER	**SHIP VIA**	**TERMS**	**SHIP DATE**	**FREIGHT**
DAN MCCARTHY	PK PICK-UP	Net 25th Prox	10/17/11	Yes

ORDER QTY	DESCRIPTION	UNIT PRICE	NET AMOUNT
16ea	2257.001 WHT AFWALL FLOWISE EF WALL HUNG WATER CLOSET (FORMER 2257.103)	129.750	2076.00
4ea	2294.011EC WHT AFWALL ADA RETROFIT	266.250	1065.00
7ea	6501.010 WHT WASHBROOK URINAL	200.250	1401.75
20EA	3010100 ROYAL 110-3.5 FLUSH VALVE W/SWEAT KIT	147.440	2948.80
7EA	3012636 ROYAL 186-1 1.0GPF FLUSH VALVE W/SWEAT KIT	147.440	1032.08
20EA	2507-HDF CP COMM 4" METERING LAV FCT W/VR SLOW-CLOSE PUSH HDLS L/LIFT ROD HOLE W/VR SPRAY OUTLET	150.900	3018.00
20EA	Z-R827-6BD-PC (461XF-6PC) 1-1/2 X 1-1/4 CP P-TRAP W/6" EXT FOR COPPER (db # 727dfbn-6-1)	41.265	825.30
	TAXES NOT INCLUDED		

THIS IS A QUOTATION
Prices are firm for 60 days, subject to manufacturer's price change.
APPLICABLE TAXES EXTRA!

Subtotal	**12366.93**
S&H CHGS	**0.00**
Amount Due	**12366.93**

EPUBLIC PLUMBING SUPPLY CO., INC
8 WAVERLY STREET
RAMINGHAM, MA 01702
8-620-0600 Fax 508-879-0855

Quotation

QUOTE DATE	QUOTE NUMBER
10/17/11	S3382573

ORDER TO:	PAGE NO.
REPUBLIC PLUMBING SUPPLY CO., 478 WAVERLY STREET FRAMINGHAM, MA 01702 508-620-0600 Fax 508-879-0855	1

QUOTE TO:
FRAMINGHAM SCHOOL DEPT BLDG & GRDS
29 UPPER JOCLYN AVE
FRAMINGHAM, MA 01701

SHIP TO:
FRAMINGHAM SCHOOL DEPT BLDG &
29 UPPER JOCLYN AVE
FRAMINGHAM, MA 01701

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	JOB NAME	SALESPERSON	
799	JUIMPER HILL		DAN MCCARTHY 5370	
WRITER	**SHIP VIA**	**TERMS**	**SHIP DATE**	**FREIGHT**
J MCCARTHY	PK PICK-UP	Net 25th Prox	10/17/11	Yes

ORDER QTY	DESCRIPTION	UNIT PRICE	NET AMOUNT
3ea	2234.001 WHT MADERA 10" EF F/V BOWL (2234.015)	129.000	387.00
14ea	2257.001 WHT AFWALL FLOWISE EF WALL HUNG WATER CLOSET (FORMER 2257.103)	129.750	1816.50
4ea	2294.011EC WHT AFWALL ADA RETROFIT	266.250	1065.00
18EA	3010100 ROYAL 110-3.5 FLUSH VALVE W/SWEAT KIT	147.440	2653.92
6ea	6501.010 WHT WASHBROOK URINAL	200.250	1201.50
6EA	3012636 ROYAL 186-1 1.0GPF FLUSH VALVE W/SWEAT KIT	147.440	884.64
14EA	2507-HDF CP COMM 4" METERING LAV FCT W/VR SLOW-CLOSE PUSH HDLS L/LIFT ROD HOLE W/VR SPRAY OUTLET	150.900	2112.60
14EA	Z-R827-6BD-PC (461XF-6PC) 1-1/2 X 1-1/4 CP P-TRAP W/6" EXT FOR COPPER (db # 727dfbn-6-1)	41.265	577.71
50ea	CFC-S-CF 3/8ODX12" STAINLESS FCT CONN (0298127) PRO1F12 SSLS12 B1F12	6.200	310.00
	TAXES NOT INCLUDED		

THIS IS A QUOTATION
Prices are firm for 60 days, subject to manufacturer's price change.
APPLICABLE TAXES EXTRA!

Subtotal	**11008.87**
S&H CHGS	**0.00**
Amount Due	**11008.87**

 No. 2669 07877

QUOTE

Store 2669 NATICK
339 SPEEN ST
NATICK, MA 01760

Phone: (508) 647-9600
Salesperson: DM51WD
Reviewer:

QUOTE

2011-10-17 12:13

Prices Valid Thru: 10/24/2011

SOLD TO

Name	FRAMINGHAM HS BUILDING	Home Phone	(508) 626-9111
Address	31 FLAGG DR	Work Phone	(508) 626-9111
		Company Name	
City	FRAMINGHAM	Job Description	JUNIPER HILL VANITYS
State	MA	Zip 01702-5928	County MIDDLESEX

CUSTOMER PICKUP #1

MERCHANDISE AND SERVICE SUMMARY

We reserve the right to limit the quantities of merchandise sold to customers

REF # W04 SKU # 515-664 Customer Pickup / Will Call

S.O. MERCHANDISE TO BE PICKED UP: S/O ROMA MARBLE INC REF # S03

REF #	SKU	QTY	UM	DESCRIPTION	TAX	PRICE EACH	EXTENSION
S0301	938-758	2.00	EA	Odyssey / Odyssey S/O ROMA MARBLE / 84" x 22" (3) Bowl vanitytop in Odyssey s.s. material white on white color, integral b.s., (1) sidesplash & (1) leg support per "Juniper Hill" drawing.	Y	$1,777.00	$3,554.00
S0302	938-758	1.00	EA	Odyssey / Odyssey S/O ROMA MARBLE / 120" x 22" (4) Bowl vanity top in Odyssey, material white on white color, integral b.s., (1) sidesplash & (1) leg support per Juniper Hill drawing.	Y	$2,347.00	$2,347.00
S0303	938-758	1.00	EA	Odyssey / Odyssey S/O ROMA MARBLE / 48" x 22" (2) Bowl vanity top in Odyssey s.s. material white on white color, integral b.s., (1) sidesplash & (1) leg support per "Juniper Hill" drawing.	Y	$1,203.00	$1,203.00
S0304	938-758	1.00	EA	Odyssey / Odyssey S/O ROMA MARBLE / 48" x 5" x 3/4" Decorative apron (loose), white color, per "Junper Hill" drawing.	Y	$99.00	$99.00
S0305	938-758	2.00	EA	Odyssey / Odyssey S/O ROMA MARBLE / 84" x 5" x 3/4" Decorative apron (loose), white color, per "Juniper Hill" drawing.	Y	$159.00	$318.00
S0306	938-758	1.00	EA	Odyssey / Odyssey S/O ROMA MARBLE / 120" x 5" x 3/4" Decorative apron (loose), white color, per "Juniper Hill" drawing.	Y	$229.00	$229.00

NOT VALID FOR MERCHANDISE CARRY-OUT

FOR WILL CALL
MERCHANDISE PICK-UP
PROCEED TO WILL CALL OR
SERVICE DESK AREA
(Pro Customers, Proceed To The Pro Desk)

Customer Copy

CUSTOMER PICKUP #1
(Continued)

	REF #W04
VENDOR - SPECIAL INSTRUCTIONS:	SPECIAL QUOTE DONE BY JACK AT ROMA MARBLE FOR FRAMINGHAM SCHOOLS C/O BRIAN PARKER, TEL 508 958-7250.
SCHEDULED PICKUP DATE: Will be scheduled upon arrival of all S/O Merchandise	MERCHANDISE TOTAL $7,750.00
	END OF CUSTOMER PICKUP - REF #W04

TOTAL CHARGES OF ALL MERCHANDISE & SERVICES

ORDER TOTAL	$7,750.00
SALES TAX	$484.38
TOTAL	$8,234.38
BALANCE DUE	$8,234.38

END OF ORDER No. 2669-507877

TERMS AND CONDITIONS

WILL CALL

Will Call items will be held in the store for 7 days. For Will Call merchandise pick up, proceed to Will Call/Service Desk area(Pro Customers, proceed to the Pro Desk).

Returns: A 15% restocking fee applies to the return of regular special orders, i.e., special orders merchandise that is not custom made. Special orders that are custom uniquely designed or fitted to accommodate the requirements of a particular space or environment (some examples are cabinetry, countertops, floor and wall coverings, and window treatments) are non-returnable. Exceptions: Cancellations made by midnight on the third business day after the date of Your purchase; merchandise incorrectly ordered by Home Depot or by Professional; or merchandise damaged beyond repair in delivery or by Professional. Unless otherwise specified in this Agreement, all returns must be made within Home Depot's posted time frame.

NSTAR ELECTRIC GAS
One NSTAR Way, SW360
Westwood, Massachusetts 02090

TO: ERNIE MOREAU
FRAMINGHAM-HIGH SCHOOL
115 A ST, FRAMINGHAM, MA 01702

FROM: **Steven Grattan, PROGRAM MANAGER, NSTAR**
Steven.Grattan@nstar.com
781-441-8243

DATE: 08/18/2011

SUBJECT: Retrofit Program Customer Pre-Approval for **Project# BS10418**

Congratulations! NSTAR has pre-approved your Retrofit Program application for **FRAMINGHAM-HIGH SCHOOL**. If the energy efficiency measures are installed as proposed, your project will qualify for an incentive payment from NSTAR in the amount of **$9,886.50**. The payment will be **in the form of a check paid to the order of NORTHERN ENERGY SERVICES**. For additional project details, please refer to the enclosed customer report.

NSTAR's rebate payment for this project is subject to the Terms and Conditions a copy of which is provided with this pre-approval letter. In the event that a custom application is submitted, minimum equipment and operation requirements of the proposed measures, as detailed in the enclosed Minimum Requirements Document, must be addressed and satisfied.

Project completion Date- Our records indicate that this project is expected to be completed by **NOVEMBER 01, 2011**. If at any time the project's completion date is delayed beyond the original expected completion date indicated on your application, please contact the Program Manager listed in the body of this letter so that a revised project expected completion date is communicated. Informing NSTAR ensures that the pre-approved incentive remains in good standing.

Pre-Approval Expiration Date - This pre-approval letter expires 180 days from the date of pre-approval.

Completed Application - The application form must be complete, and paid invoices (with both material and labor costs) as well as other documentation for all installed measures must be attached.

At Project Completion:

1. Contact the Program Manager at the email or phone number above.
2. Sign the original Application in the Post Installation section and send it to the Program Manager.
3. Send the Program Manager all Paid Invoices associated with the project, including both labor and materials.

Post-Installation Verification - An NSTAR representative will conduct a post-installation verification of the newly installed equipment to ensure that the installation is consistent with sound engineering practices and the pre-approved application.

Please contact NSTAR as soon as the project has been completed to ensure that a post-inspection of the installed measures is scheduled in a timely manner. The incentive payment will be issued once the application is complete, the equipment is installed and operating, and proof of purchase is submitted to NSTAR at the above address.

At NSTAR, we're committed to delivering great service. Please contact me should you have any questions or if I may be of any further assistance. Thank you and have a great day.

NORTHERN ENERGY SERVICES

NSTAR
BUSINESS SOLUTIONS PROGRAM

CUSTOMER NAME: *FRAMINGHAM HIGH*

Lighting Systems Recommendations Summary

EXISTING SYSTEM		PROPOSED SYSTEM	
CONNECTED LOAD (WATTS):	16095	CONNECTED LOAD (WATTS):	2903
ANNUAL KWH USAGE:	48285	ANNUAL KWH USAGE:	8709
ANNUAL LIGHTING COST:	$7,725.60	ANNUAL LIGHTING COST:	$1,393.44
ENERGY COST ($/KWH):	$0.180		

ESTIMATED (KWH) REDUCTION PER YEAR:	**39,576**	
ANNUAL COST REDUCTION:	**92.21%**	
TOTAL ESTIMATED SAVINGS/YR*.:	**$7,124**	
TOTAL PROJECT COST:**	**$52,693.80**	
UTILITY'S INCENTIVE:	**$9,894.00**	ESTIMATED
COST AFTER INCENTIVE:	**$42,799.80**	
ESTIMATED PAYBACK (YR) :	**6.01**	

**** TOTAL PROJECT COST INCLUDES LABOR AND MATERIALS.**

*** ESTIMATED SAVINGS PER YEAR ARE BASED ON THE CURRENT HOURS OF OPERATION AND CURRENT RATE ($/KWH).**

NORTHERN ENERGY SERVICES

CUSTOMER NAME: FRAMINGHAM HIGH
ADDRESS: 115 A STREET
CITY, STATE: FRAMINGHAM, MA 01702
CONTACT PERSON: ERNIE MOREAU
PHONE #: 508-726-7363

NSTAR
BUSINESS SOLUTIONS PROGRAM

	EXISTING LIGHTING SYSTEM						PROPOSED LIGHTING SYSTEM					
	LOCATION	Annual Hours	QTY	FIXTURE TYPE	CODE	WATTS PER FIXT.	Annual Hours	QTY	FIXTURE TYPE	CODE	WATTS PER FIXT.	Incentive
1	BASKETBALL FLOOD 250	3000	4	250W METAL HALIDE	1M0250S	295	3000	4	40 WATT SYLVANIA POST TOP RETRO	1L040	40	$0.00
2	COBRA 250	3000	19	250W METAL HALIDE	1M0250S	295	3000	19	40 WATT SYLVANIA POST TOP RETRO	1L040	40	$0.00
3	FLOOD 250	3000	2	250W METAL HALIDE	1M0250S	295	3000	2	120W INDUCTION FLOOD	1M0120P	135	$0.00
4	POLE 175	3000	24	175W METAL HALIDE	1M0175S	205	3000	24	40 WATT SYLVANIA POST TOP RETRO	1L040	40	$0.00
5	POLE 150	3000	17	150W METAL HALIDE	1M0150S	190	3000	17	40 WATT SYLVANIA POST TOP RETRO	1L040	40	$0.00
6	FLAG LIGHT 70	3000	1	70W METAL HALIDE	1M0070S	95	3000	1	13W LED RAB W/P=70-100MH	1L013	13	$0.00
7	CANOPY 70	3000	1	70W METAL HALIDE	1M0070S	95	3000	1	20 WATT LED RAB CEILING	1L020	20	$0.00
8	WALL PACK 150	3000	2	150W METAL HALIDE	1M0150S	190	3000	2	20W LED RAB W/P=150-175 MH	1L020	20	$0.00
9								1	LIFT FEES	0	0	$0.00
	Totals		70					71				

GRAINGER

Quotation

750 BROOKSIDE PKWY
HARETTA, GA 30022-1433
..:
ax:

Information

Grainger Quote Number	2014518125
Validity Start Date	10/14/2011
Validity End Date	11/14/2011
Creation Date	10/14/2011
Grainger EIN Number	36-1150280
PO #	
PO Create Date	
PO Release #	
Customer Number	801085994
Department Number	
Project/Job Number	
Requisitioner Name	
Attention	
Caller	TIM RIVERS
Telephone Number	5085095634
Page	1 / 7

ustomer Information

RAMINGHAM SCHOOL DEPT
LDG & GRNDS DEPT
1 FLAGG DR #2
RAMINGHAM MA 01702-5928

illing Information

RAMINGHAM SCHOOL DEPT
1 FLAGG DR #2
RAMINGHAM MA 01702-5928

hipping Information

RAMINGHAM SCHOOL DEPT
LDG & GRNDS DEPT
1 FLAGG DR #2
MINGHAM MA 01702-5928

Freight Forwarder

/e will deliver according to the following terms and conditions:

coterms®2010:	FOB ORIGIN
eight Terms:	Prepaid
arrier:	
ayment Terms:	Net 30 days after invoice date

pecial Instructions:

Item O-Line	Material	Description	Quantity	Unit	Price	Total in USD
10	2RB60	Roof Vent,115/230 V,CFM 856, HP 1/4	11.00	EA	756.00	8,316.00
20	2RB61	Roof Vent,115/230 V,CFM 1296,HP 1/4	4.00	EA	787.05	3,148.20
30	2RB62	Roof Vent,115/230 V,CFM 1526,HP 1/3	2.00	EA	903.60	1,807.20
40	2RB63	Roof Vent,115/230 V,CFM 2093,HP 1/2	2.00	EA	1,126.80	2,253.60
	3ATU7	Exh Vent,Whl Dia 21 1/4,115/208-230 V	1.00	EA	1,854.00	1,854.00
60	4YC64	Roof Vent,3 Spd,115 V,CFM 253/314/374	5.00	EA	284.40	1,422.00

GRAINGER

Quotation

0 BROOKSIDE PKWY
HARETTA, GA 30022-1433
Ph :
Fax:

Information

Grainger Quote Number	2014518125
Creation Date	10/14/2011
Customer Number	801085994
Page	2 / 7

Item PO-Line	Material	Description	Quantity	Unit	Price	Total in USD
70	5DVR5	Exh Vent,3 Speed,8 1/4 In Whl Dia,115 V	3.00	EA	252.90	758.70
80	7A547	Exhaust Vent, 11in	1.00	EA	717.75	717.75
		This product is made from items 000090 to 000140				
90	3K613	Motor,1/6 HP,1725,115/208-230,48Y,ODP	1.00	EA	0.00	0.00
100	4L230	V Belt,4l,1/2 X 23 In	1.00	EA	0.00	0.00
110	4YU92	Exhaust Vent 11 1/4 In	1.00	EA	0.00	0.00
120	5UHE7	V-Belt Pulley,QD,5.25 In OD,1 Groove	1.00	EA	0.00	0.00
	5UHP9	V-Belt Pulley,3.15 OD,1/2 Bore,Var Pitch	1.00	EA	0.00	0.00
140	5UJA2	QD Bushing,Series QT,Bore Dia 3/4 In	1.00	EA	0.00	0.00
150	7A551	Exhaust Vent,13 1/4 In	3.00	EA	946.80	2,840.40
		This product is made from items 000160 to 000200				
160	3K091	Motor,1/4 HP,60hz,Belt	3.00	EA	0.00	0.00
170	4L220	V Belt,4l,1/2 X 22 In	3.00	EA	0.00	0.00
180	4YU94	Exhaust Vent 13 In	3.00	EA	0.00	0.00
190	5RJC2	V-Belt Pulley,3.95 In OD,3/4 Bore,1GRV	3.00	EA	0.00	0.00
200	5UHP9	V-Belt Pulley,3.15 OD,1/2 Bore,Var Pitch	3.00	EA	0.00	0.00
210	7A555	Exhaust Vent,14 3/4 In	1.00	EA	1,055.70	1,055.70
		This product is made from items 000220 to 000270				
220	4K252	Motor,1/3 HP,1725,115/208-230,48YZ,ODP	1.00	EA	0.00	0.00
	4L230	V Belt,4l,1/2 X 23 In	1.00	EA	0.00	0.00
240	4YU95	Exhaust Vent 14 3/4 In	1.00	EA	0.00	0.00

GRAINGER®

Quotation

50 BROOKSIDE PKWY
HARETTA, GA 30022-1433
Ph :
Fax:

Information

Grainger Quote Number	2014518125
Creation Date	10/14/2011
Customer Number	801085994
Page	3 / 7

Item PO-Line	Material	Description	Quantity	Unit	Price	Total in USD
250	5UHE7	V-Belt Pulley,QD,5.25 In OD,1 Groove	1.00	EA	0.00	0.00
260	5UHP9	V-Belt Pulley,3.15 OD,1/2 Bore,Var Pitch	1.00	EA	0.00	0.00
270	5UJA2	QD Bushing,Series QT,Bore Dia 3/4 In	1.00	EA	0.00	0.00
280	7A557	Exhaust Vent,14 3/4 In	1.00	EA	1,141.20	1,141.20
		This product is made from items 000290 to 000340				
290	3K617	Motor,Split-Ph,3/4 HP,1725,115/208-230	1.00	EA	0.00	0.00
300	4L250	V Belt,4l,1/2 X 25 In	1.00	EA	0.00	0.00
)	4YU95	Exhaust Vent 14 3/4 In	1.00	EA	0.00	0.00
320	5UHE7	V-Belt Pulley,QD,5.25 In OD,1 Groove	1.00	EA	0.00	0.00
330	5UHT1	V-Belt Pulley,4.15 OD,5/8 Bore,Var Pitch	1.00	EA	0.00	0.00
340	5UJA2	QD Bushing,Series QT,Bore Dia 3/4 In	1.00	EA	0.00	0.00
350	7A562	Exhaust Vent,16 3/4 In	2.00	EA	1,275.30	2,550.60
		This product is made from items 000360 to 000400				
360	3VU42	Ax23 COG V-Belt,25 In	2.00	EA	0.00	0.00
370	4YU96	Exhaust Vent 16 3/4 In	2.00	EA	0.00	0.00
380	5RJD4	V-Belt Pulley,4.95 In OD,3/4 Bore,1GRV	2.00	EA	0.00	0.00
390	5UHR5	V-Belt Pulley,3.75 OD,5/8 Bore,Var Pitch	2.00	EA	0.00	0.00
400	6K321	Motor,1 HP,General	2.00	EA	0.00	0.00
410	7A564	Exhaust Vent,18 1/2 In	2.00	EA	1,323.90	2,647.80
		This product is made from items 000420 to 000470				
420	3VU43	Ax24 COG V-Belt,26 In	2.00	EA	0.00	0.00

GRAINGER

Quotation

50 BROOKSIDE PKWY
HARETTA, GA 30022-1433
Ph :
Fax:

Information

Grainger Quote Number	2014518125
Creation Date	10/14/2011
Customer Number	801085994
Page	4 / 7

Item PO-Line	Material	Description	Quantity	Unit	Price	Total in USD
430	4K259	Motor,1/2 HP,1725,115/208-230,48Z,ODP	2.00	EA	0.00	0.00
440	4YU97	Exhaust Vent 18 1/2 In	2.00	EA	0.00	0.00
450	5UHF2	V-Belt Pulley,QD,6.45 In OD,1 Groove	2.00	EA	0.00	0.00
460	5UHP9	V-Belt Pulley,3.15 OD,1/2 Bore,Var Pitch	2.00	EA	0.00	0.00
470	5UJA2	QD Bushing,Series QT,Bore Dia 3/4 In	2.00	EA	0.00	0.00
480	7A572	Exhaust Vent,21 1/2 In	2.00	EA	1,537.20	3,074.40
		This product is made from items 000490 to 000540				
[illegible]	4YU98	Exhaust Vent 21 1/2 In	2.00	EA	0.00	0.00
500	5UHT1	V-Belt Pulley,4.15 OD,5/8 Bore,Var Pitch	2.00	EA	0.00	0.00
510	5UJA2	QD Bushing,Series QT,Bore Dia 3/4 In	2.00	EA	0.00	0.00
520	6A140	V Belt,30 In,A28	2.00	EA	0.00	0.00
530	6K324	Motor,1.5 HP,General	2.00	EA	0.00	0.00
540	6YRD3	V-Belt Pulley,QD,6.75 In OD,1 Groove	2.00	EA	0.00	0.00
550	7A574	Exhaust Vent,24 1/2 In	1.00	EA	1,672.20	1,672.20
		This product is made from items 000560 to 000610				
560	4K259	Motor,1/2 HP,1725,115/208-230,48Z,ODP	1.00	EA	0.00	0.00
570	4YU99	Exhaust Vent 24 1/2 In	1.00	EA	0.00	0.00
580	5UHP9	V-Belt Pulley,3.15 OD,1/2 Bore,Var Pitch	1.00	EA	0.00	0.00
590	5UHZ2	QD Bushing,Series QT,Bore Dia. 1 In	1.00	EA	0.00	0.00
[illegible]	5X995	V Belt,35 In,A33	1.00	EA	0.00	0.00
610	6YRD2	V-Belt Pulley,QD,9.25 In OD,1 Groove	1.00	EA	0.00	0.00

GRAINGER

Quotation

50 BROOKSIDE PKWY
HARETTA, GA 30022-1433
h :
ax:

Information

Grainger Quote Number	2014518125
Creation Date	10/14/2011
Customer Number	801085994
Page	5 / 7

Item PO-Line	Material	Description	Quantity	Unit	Price	Total in USD
620	7A575	Exhaust Vent,24 1/2 In	1.00	EA	1,747.80	1,747.80
		This product is made from items 000630 to 000680				
630	3X654	V Belt,33 In,A31	1.00	EA	0.00	0.00
640	4YU99	Exhaust Vent 24 1/2 In	1.00	EA	0.00	0.00
650	5UHF8	V-Belt Pulley,QD,8.75 In OD,1 Groove	1.00	EA	0.00	0.00
660	5UHR1	V-Belt Pulley,3.15 OD,5/8 Bore,Var Pitch	1.00	EA	0.00	0.00
670	5UHZ2	QD Bushing,Series QT,Bore Dia. 1 In	1.00	EA	0.00	0.00
)	6K376	Motor,3/4 HP,General	1.00	EA	0.00	0.00
690	7A645	Exhaust Vent,30 1/2 In	1.00	EA	2,657.70	2,657.70
		This product is made from items 000700 to 000750				
700	3X621	V Belt,44 In,A42	1.00	EA	0.00	0.00
710	4YY21	Exhaust Vent,30 1/2 In	1.00	EA	0.00	0.00
720	5RJG3	V-Belt Pulley,QD,11.25 In OD,1 Groove	1.00	EA	0.00	0.00
730	5UHR5	V-Belt Pulley,3.75 OD,5/8 Bore,Var Pitch	1.00	EA	0.00	0.00
740	5UHZ2	QD Bushing,Series QT,Bore Dia. 1 In	1.00	EA	0.00	0.00
750	6K324	Motor,1.5 HP,General	1.00	EA	0.00	0.00
760	7AR91	Exh Vent,Dia 12 1/2 In,115/208-230 V	1.00	EA	1,011.60	1,011.60
		This product is made from items 000770 to 000820				
770	3VU40	Ax21 COG V- Belt,23 In	1.00	EA	0.00	0.00
)	4K259	Motor,1/2 HP,1725,115/208-230,48Z,ODP	1.00	EA	0.00	0.00
790	5DVL4	Exh Vent,12 1/2 In Whl,Less Drive Pkg	1.00	EA	0.00	0.00

GRAINGER

Quotation

50 BROOKSIDE PKWY
HARETTA, GA 30022-1433
Ph :
Fax:

Information

Grainger Quote Number	2014518125
Creation Date	10/14/2011
Customer Number	801085994
Page	6 / 7

Item PO-Line	Material	Description	Quantity	Unit	Price	Total in USD
800	5RJL9	V-Belt Pulley,QD,4.25 In OD,1 Groove	1.00	EA	0.00	0.00
810	5UHR3	V-Belt Pulley,3.75 OD,1/2 Bore,Var Pitch	1.00	EA	0.00	0.00
820	5UJA2	QD Bushing,Series QT,Bore Dia 3/4 In	1.00	EA	0.00	0.00
830	7AU86	Exh Ventilator,26 1/2 In,115/230 V	2.00	EA	2,126.70	4,253.40
		This product is made from items 000840 to 000890				
840	5EFH9	Exh Ventilator,26 1/2 In,Less Drive Pkg	2.00	EA	0.00	0.00
850	5RJG3	V-Belt Pulley,QD,11.25 In OD,1 Groove	2.00	EA	0.00	0.00
[illegible]	5UHT1	V-Belt Pulley,4.15 OD,5/8 Bore,Var Pitch	2.00	EA	0.00	0.00
870	5UHZ2	QD Bushing,Series QT,Bore Dia. 1 In	2.00	EA	0.00	0.00
880	6A147	V Belt,46 In,A44	2.00	EA	0.00	0.00
890	6K324	Motor,1.5 HP,General	2.00	EA	0.00	0.00
900	2ZV82	Roof Curb,Adustable Width	1.00	EA	256.73	256.73
910	2ZV83	Roof Curb,Adustable Width	1.00	EA	349.65	349.65
920	2ZV84	Roof Curb,Adustable Width	1.00	EA	364.05	364.05
930	2ZV85	Roof Curb,Adustable Width	1.00	EA	395.78	395.78
940	2ZV86	Roof Curb,Adustable Width	1.00	EA	447.53	447.53
950	3AZK1	Roof Curb Adapter,Curb Side Sq O D 17 In	18.00	EA	132.03	2,376.54
960	3AZK2	Roof Curb Adapter,Curb Side Sq O D 18 In	4.00	EA	132.03	528.12
970	3AZK3	Roof Curb Adapter,Curb Side Sq O D 20 In	2.00	EA	132.03	264.06
[illegible]	3AZK4	Roof Curb Adapter,Curb Side Sq O D 22 In	1.00	EA	132.03	132.03
990	3AZK5	Roof Curb Adapter,Curb Side Sq O D 26 In	1.00	EA	132.03	132.03

GRAINGER®

Quotation

'750 BROOKSIDE PKWY
HARETTA, GA 30022-1433
'n :
'ax:

Information

Grainger Quote Number	2014518125
Creation Date	10/14/2011
Customer Number	801085994
Page	7 /7

Item PO-Line	Material	Description	Quantity	Unit	Price	Total in USD
1000	3AZL2	Roof Curb Adapter,Curb Side Sq O D 34 In	1.00	EA	145.80	145.80
1010	4C670	Roof Curb,Adjustable Width	3.00	EA	284.18	852.54
					Sub Total	51,175.11
					Total USD	$ 51,175.11

Please reference our Grainger Quote Number, your Grainger Customer Number, and method of payment when remitting payment.

These items are sold for domestic consumption in the United States. If exported, purchaser assumes full responsibility for compliance with US export controls.

This transaction is subject to W.W. Grainger, Inc. sales terms and conditions. For a copy, please visit the website at www.grainger.com or refer to the current catalog.

Thank you for the opportunity to provide this quotation. Please note that all the prices are based on products and quantities quoted. Any changes to the products and/or quantities may result in different pricing. The non-catalog freight policy applies unless freight amount is listed above. Please contact the Grainger office shown above if you have further questions or need to submit a new request.

Fan	CFM	SP	HP	RPM	Fan Size	Roof Opening	Drive	Area	Notes	Grainger #	Fan Open	Curb Adaptor	Assembled?	Notes
RF-a1	4500	0.5	1.000	1750	37	33 x 33	V-Belt	Serving	Downblast	7A575	34	N/A	no	
RF-a2	240	0.25	0.050	1550	8	8 x 8	Direct	Kitchen Toilets	Downblast	4YC64	19	2ZV82	yes	Opening must be built to 12"
RF-a3	7000	0.625	2.000	1750	43	40.5 x 40.5	V-Belt	Kitchen Hood	Upblast	7A645	42	N/A	no	
RF-a4	4000	0.625	1.500	1750	34	39 x 39	V-Belt	Kitchen Hood	Upblast	3ATU7	30	3AZL2	yes	Opening must be reduced to 34"
RF-a5	1500	0.625	0.500	1800	19	16 x 16	V-Belt	Dishwashing	Upblast	7AR91	22	3AZK2	no	Opening must be built to 18"
RF-a6	120	0.25	0.050	1050	8	8 x 8	Direct	Laundry	Downblast	5DVR5	17	4C670	yes	Opening must be built to 12"
RF-a7	60	0.25	0.025	1050	8	8 x 8	Direct	Office	Downblast	5DVR5	17	4C670	yes	Opening must be built to 12"
RF-b2	6900	0.5	1.000	1750	37	33 x 33	V-Belt	Boys Gym	Downblast	7AU86	40	N/A	no	Without drive package
RF-b2	6900	0.5	1.000	1750	37	33 x 33	V-Belt	Boys Gym	Downblast	7AU86	40	N/A	no	Without drive package
RF-b3	3335	0.5	0.750	1750	28	25 x 25	V-Belt	Boys Locker	Downblast	7A562	26	N/A	no	
RF-b4	5000	0.5	0.750	1750	28	25 x 25	V-Belt	Girls Gym	Downblast	7A572	30	3AZK5	no	Opening must be built to 26"
RF-b5	5000	0.5	0.750	1750	28	25 x 25	V-Belt	Girls Gym	Downblast	7A572	30	N/A	no	Opening must be built to 26"
RF-b6	3225	0.5	0.750	1750	28	25 x 25	V-Belt	Girls Locker	Downblast	7A562	26	N/A	no	
RF-b7	2350	0.625	1.000	1750	28	33 x 33	V-Belt	Corrective Gym	Downblast	7A574	34	N/A	no	
RF-b8	780	0.375	0.167	1750	16	13 x 13	V-Belt	Administration	Downblast	7A547	19	3AZK1	no	Opening must be built to 17"
RF-b9	950	0.375	0.167	1750	16	13 x 13	V-Belt	Guidance	Downblast	2RB61	19	3AZK1	yes	Opening must be built to 17"
RF-b10	420	0.375	0.167	1750	13	11.5 x 11.5	V-Belt	CRS	Downblast	2RB60	19	3AZK1	yes	Opening must be built to 17"
RF-b11	420	0.375	0.167	1750	13	11.5 x 11.5	V-Belt	CRS	Downblast	2RB60	19	3AZK1	yes	Opening must be built to 17"
RF-b12	420	0.375	0.167	1750	13	11.5 x 11.5	V-Belt	CRS	Downblast	2RB60	19	3AZK1	yes	Opening must be built to 17"
RF-b13	420	0.375	0.167	1750	13	11.5 x 11.5	V-Belt	CRS	Downblast	2RB60	19	3AZK1	yes	Opening must be built to 17"
RF-b14	800	0.375	0.167	1750	16	13 x 13	V-Belt	Basket Storage	Downblast	2RB61	19	3AZK1	yes	Opening must be built to 17"
RF-b15	560	0.5	0.330	1750	22	20 x 20	V-Belt	Toilets	Downblast	7A551	22	3AZK3	no	
RF-b16	760		0.330	1750	22	20 x 20	V-Belt	Storage	Downblast	7A551	22	3AZK3	no	
RF-b17	380		0.167	1750	13	11.5 x 11.5	V-Belt	Toilets	Downblast	2RB60	19	3AZK1	yes	Opening must be built to 17"
RF-c1	2500	0.625	0.500	1750	31	28 x 28	V-Belt	Auditorium	Downblast	7A564	30	N/A	no	
RF-c2	2500	0.625	0.500	1750	31	28 x 28	V-Belt	Auditorium	Downblast	7A564	30	N/A	no	
RF-c3	380	0.625	0.167	1750	13	11.5 x 11.5	V-Belt	Toilets	Downblast	2RB60	19	3AZK1	yes	Opening must be built to 17"
RF-c4	1610	0.5	0.500	1750	28	25 x 25	V-Belt	Band Choral	Downblast	7A555	26	N/A	no	
RF-d1	240	0.25	0.050	1750	8	8 x 8	Direct	Shops	Downblast	4YC64	19	2ZV83	yes	Opening must be built to 12"
RF-d2	840	0.375	0.167	1750	16	13 x 13	V-Belt	Shops	Downblast	2RB61	19	3AZK1	yes	Opening must be built to 17"
RF-d3	520	0.25	0.167	1750	13	11.5 x 11.5	V-Belt	Office	Downblast	2RB60	19	3AZK1	yes	Opening must be built to 17"
RF-d4	120	0.125	0.025	1050	8	8 x 8	Direct	Finish Room	Downblast	5DVR5	17	4C670	yes	Opening must be built to 12"
RF-d5	240	0.125	0.050	1050	10	8 x 8	Direct	Cust & Toilets	Downblast	4YC64	19	2ZV84	yes	Opening must be built to 12"
RF-d6	500	0.125	0.167	1750	13	11.5 x 11.5	V-Belt	Shops	Downblast	2RB60	19	3AZK1	yes	Opening must be built to 17"
RF-d7	1500	0.1875	0.250	1750	19	16 x 16	V-Belt	Shops	Downblast	7A551	22	3AZK2	no	Opening must be built to 18"
RF-d8	240	0.25	0.050	1750	8	8 x 8	Direct	Electric RM	Downblast	4YC64	19	2ZV85	yes	Opening must be built to 12"
RF-e1	1250	0.375	0.250	1750	19	16 x 16	V-Belt	Lecture Hall	Downblast	2RB62	19	3AZK1	yes	Opening must be built to 17"

RF-e2	2400	0.375	0.330	1750	22	20 x 20	V-Belt	Library	Downblast	7A557	26	3AZK4	no	Opening must be built to 22"
RF-e3	1680	0.375	0.250	1750	19	16 x 16	V-Belt	Science CRS	Downblast	2RB63	22	3AZK2	yes	Opening must be built to 18"
RF-e4	1680	0.375	0.250	1750	19	16 x 16	V-Belt	Science CRS	Downblast	2RB63	22	3AZK2	yes	Opening must be built to 18"
RF-e5	1320	0.375	0.250	1750	19	16 x 16	V-Belt	Toilets	Downblast	2RB62	19	3AZK1	yes	Opening must be built to 17"
RF-e6	1120	0.375	0.250	1750	19	16 x 16	V-Belt	Toilets	Downblast	2RB61	19	3AZK1	yes	Opening must be built to 17"
RF-e7	240	0.25	0.050	1750	8	8 x 8	Direct	Y Lounge	Downblast	4YC64	19	2ZV86	yes	Opening must be built to 12"
RF-e8	420	0.25	0.167	1750	13	11.5 x 11.5	V-Belt	Toilets	Downblast	2RB60	19	3AZK1	yes	Opening must be built to 17"
RF-e9	600	0.375	0.167	1750	13	11.5 x 11.5	V-Belt	REM Reading	Downblast	2RB60	19	3AZK1	yes	Opening must be built to 17"
RF-e10	400	0.25	0.167	1750	13	11.5 x 11.5	V-Belt	Plant Life	Downblast	2RB60	19	3AZK1	yes	Opening must be built to 17"

Summary of Curb Adaptors	
Item #	**Total**
2ZV82	1
2ZV83	1
2ZV84	1
2ZV85	1
2ZV86	1
3AZK1	18
3AZK2	4
3AZK3	2
3AZK4	1
3AZK5	1
3AZL2	1
4C670	3
Total	35

Summary of Fans	
Item #	**Total**
2RB60	11
2RB61	4
2RB62	2
2RB63	2
3ATU7	1
4YC64	5
5DVR5	3
7A547	1
7A551	3
7A555	1
7A557	1
7A562	2
7A564	2
7A572	2
7A574	1
7A575	1
7A645	1
7AR91	1
7AU86	2
Grand Total	46

QUOTATION #
27063

Electrical Wholesalers Inc.

UOTING LOCATION: 126 IRVING STREET, FRAMINGHAM, MA 01702 508/620-2990

Q U O T A T I O N # 27063

OLD TO: 29112
FRAMINGHAM PUBLIC SCHOOL
DOOR #6
29 UPPER JOCLYN AVE
FRAMINGHAM, MA 01701
P:508-626-9112 F:508-879-3385

SHIP TO:
FRAMINGHAM PUBLIC SCHOOL
DOOR #6
Customer "WILL-CALL" at:
MA *FRAMINGHAM* BRANCH 01702

SPECIAL INSTRUCTIONS:

TTENTION:

QUOTE DATE	SHIPPING DATE REQ	TAX CODE	SHIP - VIA	PO NUMBER: BROPHY JOB NAME/NUMBER--RELEASE NUMBER
0/17/11	10/17/11	NM	WILL CALL	BROPHY

INE	QUANTITY	CATALOG NUMBER/DESCRIPTION/PART #	PRICE	U/M	EXTENSION
1	75	MTX 2RDI-2BX40RP-UNV-TUC240PUNVHPBU 78133733216	110.70	E	8,302.50
2	160	SYL FT40DL/841/RS TWIN FLUOR LMP 04613520586	6.95	E	1,112.00

Quote valid for 30 days unless otherwise noted.
Conduit and wire prices are subject to change after 24 hrs.

NTERED BY: RICH SULLIVAN
irect: 508-620-2990, Fax: 508-620-2995
.sullivan@ew-inc.com

SUBTOTAL:	9,414.50
TAX:	.00
TOTAL:	$9,414.50

QUOTATION #
27073

Electrical Wholesalers Inc.

'ING LOCATION: 126 IRVING STREET, FRAMINGHAM, MA 01702 508/620-2990

Q U O T A T I O N # 27073 Page 1 of 1

) TO: FRAMINGHAM PUBLIC SCHOOL
)112 DOOR #6
29 UPPER JOCLYN AVE
FRAMINGHAM, MA 01701
P:508-626-9112 F:508-879-3385

SHIP TO: FRAMINGHAM PUBLIC SCHOOL
DOOR #6
Customer "WILL-CALL" at:
MA *FRAMINGHAM* BRANCH 01702

SPECIAL INSTRUCTIONS:

:NTION:

)TE ATE	SHIPPING DATE REQ	TAX CODE	SHIP - VIA	PO NUMBER: HEMMENWAY JOB NAME/NUMBER--RELEASE NUMBER
.7/11	10/17/11	NM	WILL CALL	HEMMENWAY

: QUANTITY	CATALOG NUMBER/DESCRIPTION/PART #	PRICE	U/M	EXTENSION
50	MTX 2RDI-2BX40RP-UNV-TUC240PUNVHPBU 78133733216	110.70	E	5,535.00
110	SYL FT40DL/841/RS TWIN FLUOR LMP 04613520586	6.95	E	764.50

Quote valid for 30 days unless otherwise noted.
Conduit and wire prices are subject to change after 24 hrs.

:RED BY: RICH SULLIVAN
:ct: 508-620-2990, Fax: 508-620-2995
illivan@ew-inc.com

SUBTOTAL:	6,299.50
TAX:	.00
TOTAL:	$6,299.50

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Vehicle Replacement - Dump Truck With Plow	School Department	8
Category	Division	Priority
Equipment (Rolling)	Schools	8

Type	Submitter
Replacement	Matt Torti
Status	Submitter Title
Submit	Director of Buildings and Grounds

Request Description
Vehicle Replacement - Dump Truck With Plow

Request Justification
Vehicle Replacement FY13: We are currently using a 1994 Ford dump truck with snowplow: 40,632 miles. This truck has body rot and will not hold up to snowplow requirements. Replace with a 2012 Ford F350 or comparable dump truck, 4-wheel drive including snowplow package.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$58,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$58,000

Proposed Funding Sources	Amount
General Fund	$58,000
	$0
	$0
	$0
	$58,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 11/18/2011

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR

September 30, 2011

Town of Framingham
School Department
Mr. Ernie Morreau
14 Vernon Street
Framingham MA 01701

508-626-9111 ph
508-879-3385 fax
emoreau@framingham.k12.ma.us email

Please find below a quote for a **Ford F350 Dump Truck** per the Metropolitan Area Planning Council Cooperative Contract# GBPC_2008_FORD1. M.G.L. c.30B applies to the procurement of all commodities quoted. Contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract items must be procured under M.G.L. c. 30B.

Sch#		
	2011 Ford F-350 Cab & Chassis per contract spec	$ 21,371.00
	Four Wheel Drive	$ 4,795.00
	Color: Any Standard Factory offered color	no charge
	Automatic Transmission	included
	6.7L V8 Diesel Engine	7,395.00
	Engine Block Heater	included
	All terrain tires in the rear	195.00
	Air Conditioning	included
	Telescoping trailer towing mirrors	included
	Transmission PTO	250.00
	Factory Cab Steps (running boards)	325.00
	2-3 Yard Dump Body w/ Central Hydraulics	8,995.00
	Reinforced Plate mounted pintle/ball combination hitch (2"	450.00
	Trailer Plug	150.00
	Fisher 9' Minute Mount II Plow	5,195.00
	9' Cutting Edge	245.00
	Manual Load Cover	450.00
	Whelen Super LED D.O.T. (3) light system	1,295.00
	Lettering (per contract spec)	included
Total Contract Price:		**$ 51,111.00**
	Estimated 2012 Model Year Increase	$ 1,725.00
Total Purchase Price:		**$ 52,836.00**

Sincerely,

John Welch
Specialty Vehicle Manager

401 Elm Street Marlborough, MA 01752
Phone: 508-573-2626 Fax: 508-573-2726
jwelch@mhq.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Vehicle Replacement - Box Truck	School Department	9
Category	Division	Priority
Equipment (Rolling)	Schools	9

Type	Submitter
Replacement	Matt Torti
Status	Submitter Title
Submit	Director, Buildings and Grounds

Request Description
Vehicle Replacement for Buildings and Grounds Department - Box Truck

Request Justification
Vehicle Replacement FY13: Ford F350 or comparable Box Truck with liftgate for use by Buildings and Grounds Department Maintenance Staff to move furniture and supplies throughout the District. This truck is required to supplement and existing 2004 stake body truck that has deteriorated and displays signs of wear and rot. $ 42,000.00

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$42,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$42,000

Proposed Funding Sources	Amount
General Fund	$42,000
	$0
	$0
	$0
	$42,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 11/18/2011

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR

October 17,2011

Framingham Schools
Attn: Matt

508-626-9111 ph
508-879-3385 fax
email

Please find below a quote for a F350 Box Truck per the Metropolitan Area Planning Council Cooperative Contract# GBPC_2008_FORD1. M.G.L. c.30B applies to the procurement of all commodities quoted. Contract items have been collectively purchased pursuant to M.G.L. c.30B sec. 1c and M.G.L. c.7 sec 22B. The governmental body is responsible to determine the applicability of M.G.L. c30B to off contract items, including but not limited to, off contract items that have already been properly procured under M.G.L. c30B sec. 1c and M.G.L. c.7 sec. 22A (purchases from a vendor on contract with the Commonwealth), other contracts procured under M.G.L. c 30B sec. 1c and M.G.L. c.7 sec. 22B or any M.G.L. c. 30B contract between the vendor and the jurisdiction. All off contract items must be procured under M.G.L. c. 30B.

Ford F350 Cab and Chassis	26,166.00
6.2L V8 FFV gasoline engine	included
Color: Black	included
Automatic Transmission	included
Seven (7) all season tires	included
Auxiliary power point outlet	included
Air Conditioning	included
AM/FM radio with digital clock	included
Transfer warning equipment	(125.00)
Transfer radio equipment	$ (100.00)
Power windows and door locks	795.00
40/20/40 cloth split bench seat	425.00
Factory cab steps (running boards)	325.00
16' van body	8,595.00
Truck-away rear liftgate	3,995.00
Total Contract Price:	**$ 40,076.00**

EST. 5% Increase at end of Contract Oct 31,2011

Sincerely,
Anthony Mancuso
Fleet Manager

401 Elm Street Marlborough, MA 01752
Phone: 508-573-2625 Fax: 508-573-2725
amancuso@mhq.com

Copy Of Framingham Schools Dept. F350 Box truck 4x4

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Grounds Equipment Upgrades	School Department	10
Category	Division	Priority
Equipment (Rolling)	Schools	10

Type	Submitter
New	Matthew Torti
Status	Submitter Title
Submit	Director of Buildings and Grounds

Request Description
New lawn mower purchase for Buildings and Grounds Department.

Request Justification
Grounds Equipment Upgrade FY 13: Supplement eight-year old existing Toro mower with new Toro Groundsmaster 5910 mower. Description: ROPS cab, air ride suspension, road/work lights, signal/flasher lights, brake lights, A/C, heater, premium seat and SMV sign. Due to Park and Recreation's aggressive irrigation and fertilization program, grass cutting needs on fields has increased by more than 30%, putting a huge strain on an eight-year old mower with a Jacobson open cab 1988 model back up unit. $ 100,000.00

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$100,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$100,000

Proposed Funding Sources	Amount
General Fund	$100,000
	$0
	$0
	$0
	$100,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 11/18/2011

turf products llc

157 Moody Rd, P.O.Box 1200 Enfield, Connecticut 06083
Nat Binns Tel. 1-339-235-5189

Mark Tessier Ctessier1@hotmail.com
Framingham Schools Buildings & Grounds
14 Vernon Street
FRAMINGHAM, MA 01701

Quote Date	
Customer ID	0
Phone #	(508) 626-9111
Fax #	0
Tax Rate	0

Model	QTY	Product	Unit	Price
31599		Groundsmaster 5910		$ 91,529.00

MA State Contract FAC71

SubTotal	$	91,529.00
Discount	$	-
Total Labor		
Deposit		
Trade (s)		
Sales Tax	$	-
Balance Due / Amount Financed	$	91,529.00

QUOTES BASED ON 2012 PRICING

TERM: Net 10th Prox **FOB:** Destination **QUOTATION:** Subject to acceptance in 15 days.
PRICES: Quoted as per specifications enclosed. Optional equipment as listed on literature is available at additional cost.

Nat Binns, Commercial Sales Representative

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Replace Deteriorated Floor Tile Main Areas and Corridors-Multiple Schools-Phased Project (1	School Department	11
Category	Division	Priority
Building	Schools	11

Type	Submitter
Replacement	Matt Torti
Status	Submitter Title
Submit	Director of Buildings and Grounds

Request Description
Phase 1 of 5. Replace deteriorated floor tile with new tile in main areas and in corridors at Barbieri, Walsh and various other schools.

Request Justification
Replace Deteriorated Floor Tile in Main Areas and in Corridors – Multiple Schools -Phased Project Phase 1 of 5 FY 13: Barbieri School is a two-story building that was constructed in 1974. It encompasses an area of 112,000 square feet. The homogeneous material is located in the floor tiles throughout the school: kitchen, boys' and girls' locker rooms, entry to 103, east, southeast and southwest lobbies, stairwells, and rooms 104 & 105. Walsh School is a two-story building that was constructed in 1969. The building encompasses an area of 201,000 square feet. The building has no additions to the original building structure. The homogeneous material is located in several locations: boiler rooms, custodial and maintenance areas, auditorium, stage and throughout the school. See attached "Fuss & O'Neill" EnviroScience reports for schools with asbestos containing materials. The intent is to replace deteriorated floor tile (approximately 200,000 square feet this year and a minimum of 100,000 in subsequent years). $ 400,000.00 Phase 2 of 5 FY 14: Various schools will have homogeneous material removed and replaced with new floor tiles, ceiling tiles, pipe coverings and transom panels. $ 200,000.00 Phase 3 of 5 FY 15: Continue removal and replacement process. $ 200,000.00 Phase 4 of 5 FY 16: Continue removal and replacement process. $ 200,000.00 Phase 5 of 5 FY 17: Continue removal and replacement process. $ 200,000.00

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$400,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$400,000

Proposed Funding Sources	Amount
General Fund	$400,000
	$0
	$0
	$0
	$400,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
Replacement of exiting floor.

Printed 11/18/2011

11. Replace Deteriorated Floor Tile in Main Areas and in Corridors – Multiple Schools - Phased Project

Phase 1 of 5 FY 13:

Barbieri School is a two-story building that was constructed in 1974. It encompasses an area of 112,000 square feet. The homogeneous material is located in the floor tiles throughout the school: kitchen, boys' and girls' locker rooms, entry to 103, east, southeast and southwest lobbies, stairwells, and rooms 104 & 105. Walsh School is a two-story building that was constructed in 1969. The building encompasses an area of 201,000 square feet. The building has no additions to the original building structure. The homogeneous material is located in several locations: boiler rooms, custodial and maintenance areas, auditorium, stage and throughout the school. See attached "Fuss & O'Neill" EnviroScience reports for schools with asbestos containing materials. The intent is to replace deteriorated floor tile (approximately 200,000 square feet this year and a minimum of 100,000 in subsequent years).

$ 400,000.00

Phase 2 of 5 FY 14:

Various schools will have homogeneous material removed and replaced with new floor tiles, ceiling tiles, pipe coverings and transom panels.

$ 200,000.00

Phase 3 of 5 FY 15:

Continue removal and replacement process.

$ 200,000.00

Phase 4 of 5 FY 16:

Continue removal and replacement process.

$ 200,000.00

Phase 5 of 5 FY 17:

Continue removal and replacement process.

$ 200,000.00

FUSS & O'NEILL
EnviroScience, LLC

MEMORANDUM

TO: Mr. Matt Torti

FROM: Mr. Robert L. May, Jr.

DATE: October 5, 2011

RE: Framingham Public Schools Flooring Removal Budgets
Fuss & O'Neill EnviroScience, LLC Project No. 20071132.B6E

This memorandum is a summary of an opinion of cost for abatement of identified 12 x 12 floor tile and associated mastic adhesive from two school buildings. Prior to conducting work a project design will be required and estimated costs for this service are also provided. We have also provided a budget for monitoring and air sampling associated with the removal. Cost of replacing the flooring materials removed is not included and should be added to the overall budget.

Table 1
Barbieri School

Description of Work	Estimated Quantity	Unit Price	Cost
Preparation of Project design for removal of floor tile and mastic including drawings for bidding.	1	Lump Sum	$2,100
Removal and disposal of 12 x 12 floor tile and associated mastic adhesive.	80,000 SF	$4/SF	$320,000
Project Monitoring estimated 6 weeks	30 days	$525/day	$15,750
TEM Clearances assume 1 sample per room	60 samples	$85/sample	$5,100
Project Management	15 hours	$125/hour	$1,875
Final Documentation of records report	1	Lump Sum	$300
Estimated Project Total Budget			**$345,125**

Table 2
Walsh School

Description of Work	Estimated Quantity	Unit Price	Cost
Preparation of Project design for removal of floor tile and mastic including drawings for bidding.	1	Lump Sum	$2,100
Removal and disposal of 12 x 12 floor tile and associated mastic adhesive.	123,000 SF	$3/SF	$369,000

FUSS & O'NEILL
EnviroScience, LLC

Project Monitoring estimated 6 weeks	30 days	$525/day	$15,750
TEM Clearances assume 1 sample per room	80 samples	$85/sample	$6,800
Project Management	15 hours	$125/hour	$1,875
Final Documentation of records report	1	Lump Sum	$300
Estimated Project Total Budget			**$395,825**

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Furnish New and Replace Outdated Furniture – Phased Projec	School Department	12
Category	Division	Priority
Equipment (Non-Rolling)	Schools	12

Type	Submitter
Replacement	Matt Torti
Status	Submitter Title
Submit	Director of Buildings & Grounds

Request Description
Phase 1 of 5. Furnish new and replace outdated furniture in mutliple schools.

Request Justification
Furnish New and Replace Outdated Furniture – Phased Project FY 13: The majority of schools have the same furniture that was purchased during their construction in the sixties. Although there are many pieces of relatively new furniture in the schools, there is no way to refurbish the 255 classrooms that still use outdated furniture. Current teaching methods and modern technology in the elementary and middle school grades require the use of laptop computers, calculators and printers that are not conducive with the existing desks and chairs. This is a five-year replacement program that will bring all our classrooms into the twenty-first century. The plan is to begin with one elementary school (25 classrooms) and 10 grade offices per year until all furniture has been replaced as necessary. $ 300,000.00 FY 14: Continuation of furniture upgrades $ 300,000.00 FY 15: Continuation of furniture upgrades $ 300,000.00 FY 16: Continuation of furniture upgrades $ 300,000.00 FY 17: Continuation of furniture upgrades $ 300,000.00

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$300,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$300,000

Proposed Funding Sources	Amount
General Fund	$300,000
	$0
	$0
	$0
	$300,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
None

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12. Furnish New and Replace Outdated Furniture – Phased Project

FY 13:

The majority of schools have the same furniture that was purchased during their construction in the sixties. Although there are many pieces of relatively new furniture in the schools, there is no way to refurbish the 255 classrooms that still use outdated furniture. Current teaching methods and modern technology in the elementary and middle school grades require the use of laptop computers, calculators and printers that are not conducive with the existing desks and chairs. This is a five-year replacement program that will bring all our classrooms into the twenty-first century. The plan is to begin with one elementary school (25 classrooms) and 10 grade offices per year until all furniture has been replaced as necessary.

$ 300,000.00

FY 14:

Continuation of furniture upgrades

$ 300,000.00

FY 15:

Continuation of furniture upgrades

$ 300,000.00

FY 16:

Continuation of furniture upgrades

$ 300,000.00

FY 17:

Continuation of furniture upgrades

$ 300,000.00

IND. NO.	REF. NO.	QTY	VENDOR	MODEL NUMBER	DESCRIPTION	UNIT COST	EXTEND COST
				SCHOOL NAME:	FRAMINGHAM PUBLIC SCHOOLS		
				ADDRESS:	FRAMINGHAM, MA 01702		
				CONTACT - NAME/ #	ANN O'REGAN 508.626.9111 aoregan@framingham.k12.ma.us		
	CLASSROOMS				*2012 BUDGET PRICING*		
	ENGLISH						
1	ENG	24	COLUMBIA	2210	COMPUTER LAB CHAIR W/O ARMS	137.93	3,310.38
2	ENG	24	COLUMBIA	1397	BOOKRACK CHAIR, 17.5"H	69.56	1,669.50
3	ENG	24	COLUMBIA	7119	STUDY TOP DEKS, 29.5"H	73.54	1,764.90
4	ENG	1	FLEETWOOD	15.5018.1XX.000	STD TEACHER CABINET, 48.22.72	1,185.72	1,185.72
5	ENG	2	FLEETWOOD	16.0091.5XX.000	BOOKCASE, 48.12.29	262.40	524.80
6	ENG	1	HON - ALT GLOBAL	4002 - 4561	TEACHER SWIVEL ARM CHAIR, GRD 3	215.35	215.35
7	ENG	1	HON - ALT SMITH	314P - 19161	4 DR VERTICAL, 52.26.5.52	469.92	469.92
8	ENG	2	SHUTTLE MATE	SS28C.3060STL.ST	30 X 60 COMPUTER DESK W/CASTERS	697.50	1,395.00
9	ENG	1	SHUTTLE MATE	SMH29G.3026PS.XXR	PRINTER STAND, NO CASTERS	271.00	271.00
10	ENG	1	SMITH	26522.17553.19173	INSTRUCTOR DESK, 30 X 72 BULLET "B"	876.48	876.48
11	ENG	1	METALWARE	25 lf - NEED 27 LF	STORAGE SHELVING - 36.18.76"H	2,575.00	2,575.00
12					DELIVERED ONLY PRICING		14,258.05
13					ADD 10% FOR INSTALLATION		1,425.81
14							
15	MATH	26	COLUMBIA	2210	COMPUTER LAB CHAIR W/O ARMS	137.93	3,586.25
16	MATH	1	FLEETWOOD	15.5018.1XX.000	STD TEACHER CABINET, 48.22.72	1,185.72	1,185.72
17	MATH	1	FLEETWOOD	16.0091.5XX.000	BOOKCASE, 48.12.29	262.40	262.40
18	MATH	1	HON - ALT GLOBAL	4002 - 4561	TEACHER SWIVEL ARM CHAIR, GRD 3	215.35	215.35
19	MATH	1	HON - ALT SMITH	314P - 19161	4 DR VERTICAL, 52.26.5.52	469.92	469.92
20	MATH	26	SHUTTLE MATE	ACC.CPUH.DF	DELUXE CPU HOLDER	123.38	3,207.88
21	MATH	13	SHUTTLE MATE	SS28C.3060STL.ST	30 X 60 COMPUTER DESK W/CASTERS	697.50	9,067.50
22	MATH	1	SHUTTLE MATE	SS28C.3048CSL.ST	CORNER UNIT W/CASTERS	1,386.50	1,386.50
23	MATH	1	SMITH	26522.17553.19173	INSTRUCTOR DESK, 30 X 72 BULLET "B"	876.48	876.48
24					DELIVERED ONLY PRICING		20,258.00
25					ADD 10% FOR INSTALLATION		2,025.80
26							
27	SCI LAB	1	COLUMBIA	5060	ADJ ADA DESK	105.74	105.74
28	SCI LAB	24	COLUMBIA	200	SOFT PLASTIC STOOL, ADJ 18-24	49.69	1,192.50
29	SCI LAB	24	COLUMBIA	1397	BOOKRACK CHAIR, 17.5	69.56	1,669.50
30	SCI LAB	24	COLUMBIA	7119	STUDY TOP DESK, 29.5	73.54	1,764.90
31	SCI LAB	1	FLEETWOOD	15.5016.1XX.000	STD TEACHER CABINET, 36.22.72	1,149.64	1,149.64
32	SCI LAB	1	FLEETWOOD	17.0860.3XX.000	DELUXE SCI LAB STATION, 60.23.34	1,602.28	1,602.28
33	SCI LAB	1	FLEETWOOD	26.7389.416.000	WELDED TABLE, 72.29.30	259.12	259.12
34	SCI LAB	1	SMITH	01385	FLEX STATION, 30 X 30 X 24-32"H	238.92	238.92
35	SCI LAB	1	SMITH	26648/17553	INSTRUCTOR DESK, 30 X 72 BULLET	1,113.42	1,113.42
36	SCI LAB	1	BORROUGHS	14432.001	24 X 30 UTILITY CART	-	-
37					DELIVERED ONLY PRICING		9,096.02
38					ADD 10% FOR INSTALLATION		909.60

DELIVERED ONLY WITH AN ADD FOR INSTALLATION

- *BULLET DESKS ARE QUOTED AS ALL SMITH SYSTEM ITEMS*
- *HON CHAIR HAS BEEN REPLACED WITH A GLOBAL CHAIR*
- *HON FILES HAVE BEEN QUOTED AS SMITH SYSTEM - TO MATCH*
- *COLUMBIA, FLEETWOOD, AND SMITH SYSTEM ARE ON CONTRACT - OFF20*
- *SHUTTLE, GLOBAL, AND METALWARE ARE NOT ON CONTRACT - BUDGET PRICING PROVIDED*

Bidder: Robert H. Lord Company
Date: 10.06.11

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Stage Curtains Multiple Schools- Phased Project (1)	School Department	13
Category	Division	Priority
Building	Schools	13

Type	Submitter
Replacement	Matthew Torti
Status	Submitter Title
Submit	Director, Buildings and Grounds

Request Description
Phase 1 of 5. Replacement of stage curtains and rigging in multiple schools.

Request Justification
Stage Curtains Multiple Schools – Phased Project FY13: – Phase 1 Required improvement and/or replacement of stage curtains and rigging to comply with building code requirements. Rigging problems would also be corrected. $ 30,000.00 FY14: – Phase 2 Continuation of Stage Curtain replacement of curtains and rigging $ 30,000.00

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$30,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$30,000

Proposed Funding Sources	Amount
General Fund	$30,000
	$0
	$0
	$0
	$30,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 11/18/2011

13. Stage Curtains Multiple Schools – Phased Project

FY13: – Phase 1

Required improvement and/or replacement of stage curtains and rigging to comply with building code requirements. Rigging problems would also be corrected.

$ 30,000.00

FY14: – Phase 2

Continuation of Stage Curtain replacement of curtains and rigging

$ 30,000.00

B.N. Productions
P.O. Box 353 Boxford, MA 01921-0353 Tel: 978-352-4730 Fax: 978-352-4731
www.bnproductions.com

10/3/11
Budget Estimate #FPS1r2

Framingham Public Schools
31 Flagg Drive
Framingham, MA 01702
Matthew Torti – Director Buildings and Grounds

PROJECT: Assessment of the stage rigging and stage curtains at fourteen schools in Framingham MA.

DESCRIPTION:
B.N. Productions, Inc. visited the fourteen schools on 9/10/10 and 10/19/10 to assess the stage rigging. Based on these visual inspections we would propose a budget of **$55,500.00**. This budget would correct rigging problems and replace damaged /missing curtains in twelve schools.

Break down by school:
Visited on 10/19/10
Framingham High School- Room#H100 - Front of house lighting bar not rigged with proper materials, replace three points. Budget $1,500.00

Stapleton Elementary- Replace six hanging points and re-rope traveler track. Budget $1,500.00

Cameron Middle- Replace ripped main curtain and a set of masking legs. Budget **$8,500.00**

Potter Road Elementary- Replace master carriers, dead end pulley, live end pulley and operating line on traveler track. Budget $1,000.00

Hemenway Elementary- Replace fifteen hanging points. Budget $1,000.00

Visited on 9/10/10
Barbieri Elementary- Install new mid stage traveler curtain on existing traveler track. Replace lighting equipment that has asbestos wiring; five 6" Fresnel and thirteen ellipsoidals. Budget **$12,500.00**

Brophy Elementary- Replace tensioned floor pulley and operating line on main traveler track. Check existing chain rigging. Budget $1,500.00

Fuller Middle School- Remove "make shift" rigging set. Budget $500.00

Juniper Hill stage- Replace all hanging points. Budget $1,000.00
Juniper Hill windows- Replace four sets of window curtains including new traveler track. Budget $9,000.00

Carthy Elementary- Replace thirty five hanging points and on stage curtains; three sets of legs, three borders and a traveler. Budget **$10,500.00**

B.N. Productions
P.O. Box 353 Boxford, MA 01921-0353 Tel: 978-352-4730 Fax: 978-352-4731
www.bnproductions.com

Walsh Middle- Replace the second electric pipe with a 1.5" schedule 40 pipe batten. Replace approximately eighty-five hanging points. Budget $6,000.00

Woodrow Wilson- Physically inspect the rigging system. Budget $1,000.00
Dunning Elementary- No Recommendations
King- No Recommendations

If you have any questions or if I may be of any further assistance, please do not hesitate to contact me.

Yours truly,

Christopher R. Perry
Project Manager
ETCP Certified Rigger - Theatre
cperry@bnproductions.com

Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Food Service Equipment Replacement - Phased Project (1)	School Department	14
Category	Division	Priority
Equipment (Non-Rolling)	Schools	14

Type	Submitter
Replacement	Brendan Ryan
Status	Submitter Title
Submit	Director, Food Services

Request Description
Phase 1 of 5. Food Services Equipment Replacement - Multiple Schools

Request Justification
Food Services Equipment – Phased Project FY13: – Phase 1 Equipment upgrades are necessary in many school cafeterias. The Board of Health has cited the following schools for not meeting state code regarding 3 compartment vs. 2 compartment sinks. New sinks, disposers and grease trap upgrades-to meet state code Barbieri Elementary Potter Road Elementary Brophy Elementary Dunning Elementary Stapleton Elementary McCarthy Elementary Exhaust hood Brophy $ 54,000.00 FY 14: Continuation of equipment upgrades: New fire suppression systems Dunning Brophy Floor drain containment systems and basket catch Framingham High Walsh Walk-in Stapleton Serving line rehabilitation Juniper Hill $ 56,000.00 FY 15: Continuation of equipment upgrades: Serving line rehabilitation Potter Brophy Dunning Stapleton McCarthy Hemenway Walk-in Fuller $ 55,000.00 FY 16: Continuation of equipment upgrades $ 25,000.00 FY 17: Continuation of equipment upgrades $ 25,000.00

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$54,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$54,000

Proposed Funding Sources	Amount
General Fund	$54,000
	$0
	$0
	$0
	$54,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 11/18/2011

14. Food Services Equipment – Phased Project
FY13: – Phase 1

Equipment upgrades are necessary in many school cafeterias. The Board of Health has cited the following schools for not meeting state code regarding 3 compartment vs. 2 compartment sinks.

New sinks, disposers and grease trap upgrades-to meet state code

Barbieri Elementary
Potter Road Elementary
Brophy Elementary
Dunning Elementary
Stapleton Elementary
McCarthy Elementary

Exhaust hood

Brophy

$ 54,000.00

FY 14:

Continuation of equipment upgrades:

New fire suppression systems

Dunning
Brophy

Floor drain containment systems and basket catch

Framingham High
Walsh

Walk-in

Stapleton

Serving line rehabilitation

Juniper Hill

$ 56,000.00

FY 15:

Continuation of equipment upgrades:

Serving line rehabilitation

Potter
Brophy
Dunning
Stapleton
McCarthy
Hemenway

Walk-in

Fuller

$ 55,000.00

FY 16:

Continuation of equipment upgrades

$ 25,000.00

FY 17:

Continuation of equipment upgrades

$ 25,000.00

United Restaurant Equipment CO., Inc.

SEP 20,2011

QUOTATION

F110921

Project:
Framingham 3 tub sinks

From:
Pat Theodoros
United Restaurant Equipment Co.,
1 Executive Park Drive
North Billerica, MA 01862
(978) 439-5500 Fax: (978) 262-9999

To:
Brendan Ryan
Framingham School Foodservice
High School
115 A St
Framingham, MA 01701
(508) 620-4963 Fax: (508) 628-1383

PRICES ARE VALID FOR 30 DAYS FROM DATE OF QUOTE

I	Qty	Description	Sell Each	Sell Total
0		FOR: BARBEIRI BROPHY DUNNING POTTER McCARTHY STAPLETON		
2	5 ea	SINK 3-COMPARTMENT Eagle Group Model No. FN2472-3-24-14/3 Spec-Master® Sink, Three Compartment, stainless steel, with 24" left & right-hand drainboards, 24" front-to-back x 24"W sink compartment, 14"D, with 9-1/2"H splash, stainless steel open frame base, boxed crossrails, stainless steel, 2 set of faucet holes, 14/304 stainless steel, NSF	2,855.22	14,276.10
	5 ea	E41A Disposal provision package, includes weldment only for cone which are furnished by others, control panel bracket weldment, and holes for pre-rinse & anti-siphon vacuum breaker	284.01	1,420.05
	5 ea	T&S B-0231 Sink Mixing Faucet, with 12" swing nozzle, wall mounted, 8" centers on sink faucet with 1/2" IPS eccentric flanged female inlets, lever handles	98.76	493.80
	5 ea	T&S B-0133-A08-08 EasyInstall Prerinse Unit, spring action gooseneck, 8" wall mount, JeTSpray valve (1.48 gallons per minute), 8" add-on faucet	292.55	1,462.75
		Extended Total for Item No. 2 17,652.70		

Framingham 3 tub sinks

Item	Qty	Description	Sell Each	Sell Total
3	15 ea	LEVER/TWIST WASTE T & S Brass Model No. B-3950-01 Twist Waste Valve, 3-1/2" sink opening, 2" drain outlet with 1-1/2" adapter and overflow assembly (replaces B-3916-01)	98.00	1,470.00
4	5 ea	DISPOSER Salvajor Model No. 300-CA-15-ARSS Disposer, with 15" cone assembly, 3 Hp motor, start/stop push button automatic reversing and water saving ARSS control, includes fixed nozzle, vacuum breaker, solenoid valve, scrap ring and flow control, heat treated aluminum alloy housing	2,974.88	14,874.40
	5	208v/60hz/3-ph, 8.8 amps		
		Extended Total for Item No. 4 14,874.40		
5	5 ea	GREASE TRAP Dormont Manufacturing Model No. WD-50 Grease Interceptor, 50 gallons per minute flow rate, 100 lb grease capacity, 4" inlet & outlet, no hub connections, solid steel cover w/gasket, hex head center bolt(s), removable baffle assembly, deep seal trap w/cleanout, external cast iron flow control fitting, epoxy coated steel, PDI certified, available with threaded inlet and outlet, by adding "THD" to end of part number, no additional charge	627.72	3,138.60
	5	Unthreaded pipe, std.		
		Extended Total for Item No. 5 3,138.60		
			Total	37,135.70
			Grand Total	37,135.70

Acceptance: _____

Date: _____

United Restaurant Equipment CO., Inc.

SEP 20,2011

QUOTATION

F110919

Project:
Framingham Dunning School Range

From:
Pat Theodoros
United Restaurant Equipment Co.,
1 Executive Park Drive
North Billerica, MA 01862
(978) 439-5500 Fax: (978) 262-9999

To:
Brendan Ryan
Framingham School Foodservice
High School
115 A St
Framingham, MA 01701
(508) 620-4963 Fax: (508) 628-1383

PRICES ARE VALID FOR 30 DAYS FROM DATE OF QUOTE

	Qty	Description	Sell Each	Sell Total
1	1 ea	RANGE, RESTAURANT, GAS, 60" Garland/US Range Model No. U60-6G24RR U Series Restaurant Range, gas, 60"W, (6) 32,000 BTU open burners, 24" x 23" x 5/8" thick smooth steel griddle plate, (2) standard ovens w/3 position rack guides w/oven rack, stainless steel front, sides, plate rail, 2-piece back guard and shelf, 6" s/s legs with adjustable feet, 304,000 BTU (US Range)	4,279.00	4,279.00
	1	One year limited parts and labor warranty, covers products purchased and installed in the USA only, standard		
	1	Stainless steel 2-piece back guard an shelf, standard		
	1	Two Convection Ovens add suffix -RC2 (Full-Size Oven)	2,838.00	2,838.00
		Extended Total for Item No. 1 7,117.00		
3	2 ea	EXHAUST HOOD Eagle Group Model No. HESFA96-72 SpecAIR™ Exhaust Hood, wall type, 72"L, 51"D, 3" air space at rear, make-up air compensating with front grills, short front, 24"H at back, all stainless steel construction, NFPA-96	4,668.00	9,336.00
	1	NOTE- HOOD ONLY HANGING OF HOOD AND INSTALLATION OF HOOD, DUCTS, and FANS BY OTHERS		
		Extended Total for Item No. 3 9,336.00		

Framingham Dunning School Range

Item	Qty	Description	Sell Each	Sell Total
			Total	16,453.00
			Inside del. + set in plac	225.00
			Grand Total	16,678.00

Acceptance: _____

Date: _____

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Capital Budget Requests

Back

Division Priorities

Pri	Title	Total Cost	Description	Justification	Oper Cost	Fiscal
1	Virtual Environment Replacement	$69,895	Replace the two out of warranty current VMWare servers with two new, larger capacity servers to maintain our current environment as well as provide for future growth.	We are currently using two HP servers that were originally purchased in 2007. Since that time our virtual environment has grown to include 19 servers. We have been able to replace 7 physical servers by using VMWare, and there are another 6 that will be due for replacement in the near future that can be virtualized. Since implementing the original VMWare environment, we have been able to install 12 new servers that would have required additional physical hardware had the virtual servers not been in place. The replacement servers requested, Cisco UCS C200, are high availability and are built to support production-level network infrastructure. They are the same platform purchased for our Munis upgrade; standardizing on the same platform will allow for better disaster recovery and failover. This project also includes end-to-end network monitoring to assist in ensuring 5 9s reliability in an increasingly complex network, including the virtual servers, wireless devices and remote locations. These 25 virtualized servers require only the 2 physical virtual machine servers, delivering a 12-fold ROI on hardware and utility costs.	$4,485	2013
2	Cisco UCM Upgrade	$34,836	Upgrade the Town's VOIP phone system hardware, which has been in use since June 2005, and will not support the current software requirements.	The memory requirements for the newest software upgrade exceed our current environment. Additional memory is needed for all routers utilized with the VOIP phone system, as well as the Cisco Unified Communications Manager (CUCM) servers. There is a router at each location, a total of 16 routers (Town Hall, Police HQ, 5 Fire Stations, Loring Arena, Parks and Recreation, Main Library, McAuliffe Library, Callahan Senior Center, Public Works facilities). These routers are used for emergency calls and SRST, which allows the offsite locations to continue phone communications in the event the locations lose connectivity to the CUCM system. The newest Cisco IP phones will require CUCM 8.0. We have, to date, been able to have our current phones replaced or serviced when necessary. However, the phone models in use are soon to be discontinued and we will not be able to add the new model phones unless we are on CUCM 8.0. The quote includes the additional memory, the software upgrade to version 8.0 and all professional services necessary to complete the upgrade.	$0	2013
3	Archived Document Scanning - 1st phase	$27,635	The Building Inspections Department stores paper permits and building plans dating back to the mid 1950s. This project would be the first of a several year project to digitize these documents to aid in retrieval.	The first phase of this scanning and document storage project will focus on the filing cabinets and storage located in the Building Inspections Department, which date back 10 years. The vendor will set up the document templates, scan all paper documents including large scale plans using pre-determined specifications, and create an archive of these documents utilizing our Laserfiche document management system. By having these files stored electronically, it will allow the department to perform faster searches for archived documents. Additionally, these electronic documents can be cross-referenced through our town-wide permitting system Acela Automation. It will also provide a means to preserve these public records from environmental degradation. The proposal is for scanning the 10 years of existing files; we added 10% (1 year) to be able to include documents/plans that will be created in the upcoming year.	$0	2013
4	Public Safety Server Replacement	$80,645	The current Public Safety servers are out of warranty as of 2013. The hardware failure rate is likely to increase significantly after end of life has been reached. The operating system revisino (Red Hat Linux) is behind the supported version. The replacement servers will run the currnet Microsfot supported server version, eliminating the need for in-house UNIX expertise.	The existing Police and Fire Dispatch and Records Management servers will be replaced with new warranted hardware. The existing software and historical data will be migrated from the old Linux servers to the new Microsoft servers. Interfaces to external applications (Mapping, Accidents, Content Management, Web Client, Mug shots and Mobile Clients) will also be migrated. The servers will be reconfigured as a high availability, redundant operations to allow for twenty four by seven continuous coverage. In the event of a system failure the dispatch operations for both Police and Fire will operate from the active server.	$0	2014

5	Network Data Storage and Connectivity	$66,603	To increase speed of backups and data transfer for disaster recovery, a 10GB link to our disaster recovery site is requested. Included in this request is also additiona disk space.	We have X#GB of data on our network that is backed up to our disaster recovery (DR) site. The elapsed time of the backups over the current connection could begin to cause problems with bandwidth as the data being backed up increases. The Nexus switch will integrate with our existing core switch and enable faster backups as well as quicker data recovery if necessary. As the data on our network has also increased with electronic versions of permits, building plans, etc. being stored online, additional disk space is also being requested.	$2,024	2014
6	VDI Pilot	$46,202	This request is a phase 1 project to engage in a test pilot for VDI (virtual desktop interface).	VDI runs a virtual desktop on a small form factor client. This 25 client pilot would be run on a varying user base to test all aspects of our network environment and applications, including at minimum, financial users, police, fire and public works. If successful, we will request a phase 2 project to begin replacing desktop computers. This could reduce not only hardware replacement costs (the VDI client costs approximately half of a desktop computer) but also reduce the time it takes staff to maintain, repair or replace a machine.	$0	2015
7	Memorial Building Cabling Project	$500,000	This request is made to replace the current network cable system in the Memorial Building	The existing network cable system in the Memorial Building	$0	2016

Print

Capital Budget Request FY 2013

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Request Title	Department	Priority
Virtual Environment Replacement	Technology Services	1
Category	**Division**	**Priority**
Equipment (Non-Rolling)	Technology Services	1

Type	Submitter
Replacement	Carly Melo
Status	**Submitter Title**
Submit	Acting Director

Request Description

Replace the two out of warranty current VMWare servers with two new, larger capacity servers to maintain our current environment as well as provide for future growth.

Request Justification

We are currently using two HP servers that were originally purchased in 2007. Since that time our virtual environment has grown to include 19 servers. We have been able to replace 7 physical servers by using VMWare, and there are another 6 that will be due for replacement in the near future that can be virtualized. Since implementing the original VMWare environment, we have been able to install 12 new servers that would have required additional physical hardware had the virtual servers not been in place. The replacement servers requested, Cisco UCS C200, are high availability and are built to support production-level network infrastructure. They are the same platform purchased for our Munis upgrade; standardizing on the same platform will allow for better disaster recovery and failover. This project also includes end-to-end network monitoring to assist in ensuring 5 9s reliability in an increasingly complex network, including the virtual servers, wireless devices and remote locations. These 25 virtualized servers require only the 2 physical virtual machine servers, delivering a 12-fold ROI on hardware and utility costs.

Basis for Estimated Cost

Vendor Quote

Estimated Costs	
$69,895	Year 1
$0	Year 2
$0	Year 3
$0	Year 4
$0	Year 5
$0	Year 6
$0	Year 7
$0	Year 8
$0	Year 9
$0	Year 10
$69,895	

Proposed Funding Sources	Amount
General Fund	$69,895
	$0
	$0
	$0
	$69,895

Estimated Operating Budget Annual Cost

$4,485

Explanation for Operating Budget Costs

The hardware is being purchased with 3 year warranties. The VMWare software is being purchased with 1 year warranty, as is the network monitoring software; after the initial year, the standard 15% maintenance fee will need to be budgeted.

Printed 10/24/2011

FY 2013 Technology Services Capital Budget
Virtual Environment Replacement
Priority 1

Price Quotation

INX, Inc.
Northeast Sales Operations
3 Allied Drive, Ste 308 Dedham, MA 02026

Date: October 13, 2011
Quote #: TOF-UCS-101111
From: Ethan Simmons
Phone: 617-896-6302
FAX:
Email: ethan.simmons@inxi.com

To: Jamie Schiavone
Company: Town of Framingham
Address:
Phone:
Email:

Vendor	Part Number	Description	Qty		Unit Price	Ext Price
CISCO	R200-1120402W	UCS C200 M2 Srvr w/1PSU, DVD w/o CPU, mem, HDD or PCIe ca	2		$1,265.22	$2,530.44
CISCO					$0.00	$0.00
CISCO	CON-UCS3-R200W	UC SUPPORT 24X7X4 UCSC200 M2Svr w/1PSU DVD w/o CPU M	6		$358.00	$2,148.00
CISCO					$0.00	$0.00
CISCO	R200-BBLKD	HDD slot blanking panel for UCS C200 M1 Rack Servers	4		$0.00	$0.00
CISCO	R200-BHTS1	CPU heat sink for UCS C200 Rack Server	4		$0.00	$0.00
CISCO	R200-SASCBL-001	Internal SAS Cable for a base UCS C200 Server	2		$0.00	$0.00
CISCO	R2X0-PSU2-650W-SB	650W power supply, w/added 5A Standby for UCS C200 or C210	2		$0.00	$0.00
CISCO					$0.00	$0.00
CISCO	R200-D300GB03	Gen 2 300GB SAS 15K RPM 3.5in HDD/hot plug/C200 drive sled	4		$484.92	$1,939.68
CISCO					$0.00	$0.00
CISCO	A02-M316GB2-L	16GB DDR3-1066MHz RDIMM/PC3-8500/quad rank/Low-Dual Vol	24		$788.94	$18,934.56
CISCO					$0.00	$0.00
CISCO	N2XX-ACPCI01	Cisco UCS P81E Virtual Interface Card/ 2-port 10Gbps	2		$860.76	$1,721.52
CISCO					$0.00	$0.00
CISCO	CAB-9K12A-NA	Power Cord, 125VAC 13A NEMA 5-15 Plug, North America	4		$0.00	$0.00
CISCO					$0.00	$0.00
CISCO	R2X0-PSU2-650W-SB	650W power supply, w/added 5A Standby for UCS C200 or C210	2		$302.94	$605.88
CISCO					$0.00	$0.00
CISCO	A01-X0105	2.66GHz Xeon X5650 95W CPU/12MB cache/DDR3 1333MHz	4		$1,487.16	$5,948.64
CISCO					$0.00	$0.00
CISCO	R200-PL004	LSI 6G MegaRAID 9260-4i card (RAID 0,1,5,6,10,60) - 512WC	2		$808.92	$1,617.84
VMWARE	VS5-ENT-PL-C-L1	VPP L1 V5 ENTERPRISE PLUS 1CPU WITH 96GB VRAM ENTITL	4		$3,254.54	$13,018.16
VMWARE	VS5-ENT-PL-P-SSS-C	PROD SNS V5 ENTERPRISE PLUS FOR 1YR	4		$943.92	$3,775.68
			QTY		BOM Total	$52,240.40
INX	INX-SVCS-PDIO	INX Professional Services	0		Product Subtotal	$50,092.40
		Please see the INX Life Cycle Solution Delivery Framework document			Maint Subtotal	$2,148.00
		and or your SOW for complete details			Est. Sales Tax	$0.00
					Prof Svcs Total	***
					Est. Shipping	***
					Grand Total	$52,240.40

All INX Professional Services and Product/Equipment purchased hereafter will be subject to the terms and conditions & RMA policy referenced below.
The INX Life Cycle services approach is a strategic Solution Delivery Framework of best practices that outline the critical pre and post sales activities required to deploy and operate a Cisco Advanced Technology Solution. INX delivers a "Phased" Methodology of the following Pre-Sales; which includes the Envisioning and Proposal phases, and Post Sales; which includes the Planning and Deployment phases and associated tasks of Assessment, Design, Implementation, Integration, Operations Day 1 Support, Training and Day 2 Support for a successful project completion.

Unless otherwise noted, Actual Tax & Shipping will be applied on final invoice(s)

Customer Signature of Acceptance Date PO#

Customer Printed Name

By signing this quote and/or issuance of a PO, I acknowledge that I have the authority on behalf of my company to make purchasing decisions to order the items in this quote and to begin project initiation. This quote is subject to and will be governed by the terms and conditions and RMA policy located at www.inxi.com or by clicking the associated links and will govern our relationship and any PO issued in relation to this quote. Any and all competing or conflicting terms and conditions are hereby unconditionally rejected.

Click here for additional Terms & Conditions
Click here for RMA Policy

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Cisco UCS C200 M2 High-Density Rack-Mount Server

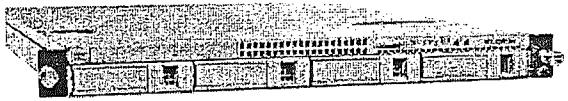
High-Density Server with Balanced Compute Performance and I/O Flexibility

At-A-Glance

High Density for Production-Level Applications

The Cisco® UCS C200 M2 High-Density Rack-Mount Server is a high-density, two-socket, one-rack-unit (1RU) rack-mount server designed to balance simplicity, performance, and density (Figure 1). Powered with up to two six-core Intel® Xeon® 5600 series processors, the server is built to support production-level network infrastructure, web services, and mainstream data center, branch-office, and remote-office applications. Its compact size makes it useful for service providers offering dedicated or multi-tenant hosting.

Figure 1. Cisco UCS C200 M2 Server

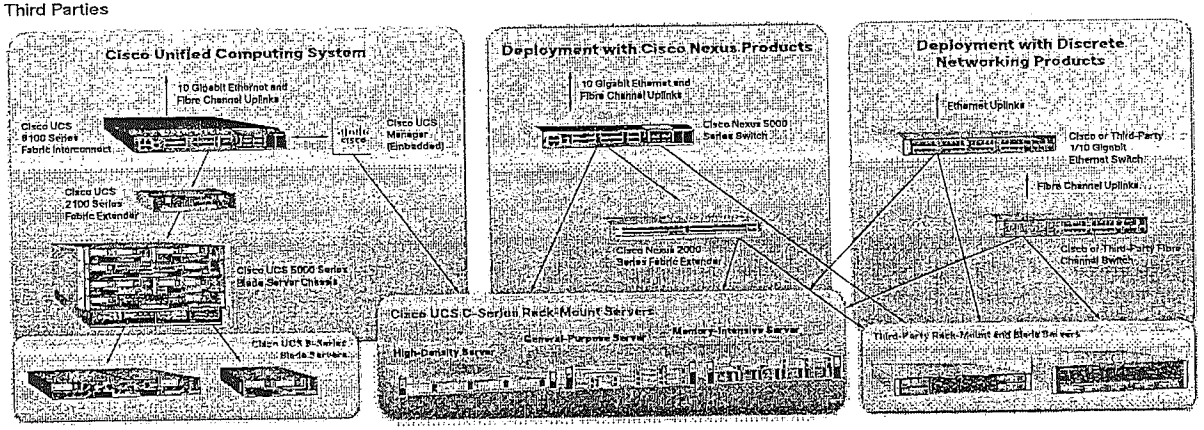


Energy efficiency is even more important for high-density, 1RU servers because of the number of processors that can be packed into a rack. Both the CPUs and power supplies contribute to the excellent energy efficiency of the Cisco UCS C200 M2 server. The server's Intel® Xeon® 5600 series processors feature Intel Intelligent Power Technology that automatically adjusts processor energy consumption to match workload requirements. With a greater number of automated low-power states, processor cores can go to near-zero power consumption independently. Further, the Cisco UCS C200 M2 server is equipped with a single or a redundant pair of power supplies that meet Climate Smart specifications, increasing efficiency. Both these factors help enable increased server density in today's data centers.

Unique Benefits in a Familiar Package

The Cisco UCS C200 M2 server extends Cisco's product portfolio to meet the needs of customers that choose to deploy rack-mount servers. The server enables organizations to deploy systems incrementally—using as many or as few servers as needed—on a schedule that best meets the organization's timing and budget.

Figure 2. Cisco UCS C-Series Rack-Mount Servers Are Designed to Operate in a Wide Range of Data Center Environments, Including Those Using the Cisco Unified Computing System, Cisco Nexus® Family Products, and Discrete Ethernet and Fibre Channel Switches from Cisco and Third Parties



Designed to operate both in standalone environments and as part of the Cisco Unified Computing System™ (Figure 2), the server combines flexible disk storage and I/O configurations with Cisco innovations, including a unified network fabric and network-aware Cisco VN-Link technology.

The server brings differentiation and value to what has been a commodity market with products not optimized to meet the needs of virtualized data centers. Available from Cisco and its data center network infrastructure (DCNI) partners, the server advances the rack-mount server market with the following features:

- **Flexible I/O and storage options:** With two PCI Express (PCIe) expansion slots, the server offers I/O flexibility and bandwidth, including the ability to integrate with traditional Gigabit Ethernet LANs and Fibre Channel SANs. The server hosts up to four 3.5-inch SAS or SATA drives or eight 2.5-inch internal SAS, SATA or SSD drives, providing internal storage capacity exceeding what is available in a corresponding blade form-factor server.
- **10 Gigabit unified network fabric:** When equipped with converged network adapters (CNAs) or the Cisco UCS P81E Virtual Interface Card, the server integrates with a low-latency, lossless 10-Gbps Ethernet and industry-standard Fibre Channel over Ethernet (FCoE) fabric. This technology enables a "wire-once" deployment model in which changing I/O configurations no longer means installing adapters and recabling racks and switches.
- **Virtualization optimization:** Cisco VN-Link technology, I/O virtualization, and Intel® Xeon® 5600 series processor features extend the network directly to virtual machines. This optimization enables a consistent and scalable operational model, helping increase security and efficiency while reducing complexity.
- **Unified management:** When integrated as a part of the Cisco Unified Computing System, management is uniquely integrated into all components of the system, enabling the entire solution to be managed as a single entity through Cisco UCS Manager, improving operational efficiency and flexibility.

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Cisco UCS C200 M2 High-Density Rack-Mount Server

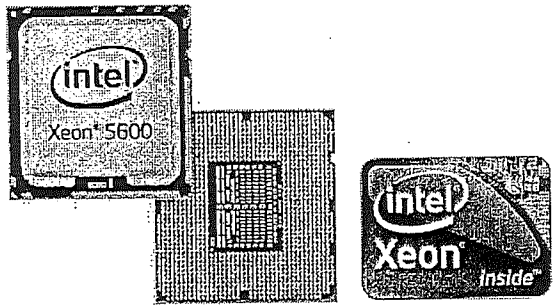
High-Density Server with Balanced Compute Performance and I/O Flexibility

- **Service profiles:** When integrated as part of the Cisco Unified Computing System, Cisco UCS Manager implements role- and policy-based management using service profiles and templates. Service profiles help automate provisioning and increase business agility, allowing data center managers to provision applications in minutes instead of days.

Features of the Cisco UCS C200 M2 Server

- Up to two six-core Intel® Xeon® 5500 or 5600 series processors (Figure 3); these multicore processors automatically and intelligently adjust server performance according to application needs, increasing performance when needed and achieving substantial energy savings when not
- Up to 192 GB of industry-standard DDR3 main memory (using 12, 16-GB DIMMs)
- Up to eight 2.5-inch SAS, SATA or SSD dives or four 3.5-inch internal SAS or SATA drives for up to a total of 8 terabytes (TB)
- When configured with 4 or 8 SATA drives, RAID 0 and 1 support using the built-in RAID controller; RAID 0, 1, 1E support for up to four or eight SAS or SATA drives with the optional LSI 1064 Controller-Based Mezzanine Card; and RAID 0, 1, 5, 6, 10, 50, 60 support for 4 or 8 SATA, SAS and SSD drives through an optional LSI MegaRAID SAS 9260-4iPCIe RAID Controller that features 256 MB of write cache and battery backup.
- Support for up to one low-profile, half-length, and one full-height, half-length x8 PCIe card; the full-height slot uses an x16 connector
- Two integrated Gigabit Ethernet ports and one 10/100-Mbps Ethernet management port for accessing the Cisco UCS Integrated Management Controller
- Front-panel CD/DVD drive, locator LED, and interface with video, two USB, and serial port connections
- Back-panel video, two USB, and serial port connectors
- Increased reliability, availability, and serviceability through optional dual-redundant power supplies

Figure 3. Intel Xeon 5600 Series Processor



Flexible I/O Options

One of the benefits of rack-mount servers is the capability to configure a range of I/O options to meet specific workload requirements. The Cisco UCS C200 M2 server offers a range of flexible I/O options through its two PCIe expansion slots. Cisco supports adapters through arrangements with original equipment manufacturers (OEMs).

- **The Cisco UCS P81E Virtual Interface Card** delivers the full power of the Cisco Unified Computing System by providing up to 128 Ethernet or Fibre Channel virtual interfaces that are programmed on demand to meet the needs of virtualized and nonvirtualized environments alike. The dual-port card interfaces with a 10-Gbps unified fabric.
- **CNAs from Emulex and QLogic** present both Ethernet network interface cards (NICs) and Fibre Channel host bus adapters (HBAs) to the host operating system, consolidating traffic over a 10-Gbps unified fabric.
- **Discrete I/O adapters** further enhance customer flexibility and choice with Gigabit Ethernet, 10 Gigabit Ethernet, and 4-Gbps Fibre Channel interfaces from industry-leading vendors including Broadcom, Emulex, and QLogic.

Cisco Unified Computing Services

Using a unified view of data center resources, Cisco and our industry-leading partners deliver services that accelerate your transition to a Cisco UCS C-Series Rack-Mount Server solution. Cisco Unified Computing Services help you quickly deploy the servers, optimize ongoing operations to better meet your business needs, and migrate to Cisco's unified computing architecture. For more information, visit http://www.cisco.com/go/unifiedcomputingservices

Why Cisco?

The Cisco Unified Computing System continues Cisco's long history of innovation in delivering integrated systems for improved business results based on industry standards and using the network as the platform. Recent examples include IP telephony, LAN switching, unified communications, and unified I/O. Cisco began the unified computing phase of our Data Center 3.0 strategy several years ago by assembling an experienced team from the computing and virtualization industries to augment our own networking and storage access expertise. As a result, Cisco delivered foundational technologies, including the Cisco Nexus® Family, supporting unified fabric and server virtualization. The Cisco Unified Computing System completes this phase, delivering innovation in architecture, technology, partnerships, and services. Cisco is well positioned to deliver this innovation by taking a systems approach to computing that unifies network intelligence and scalability with innovative application-specific integrated circuits (ASICs), integrated management, and standard computing components.

For More Information

Please visit: http://www.cisco.com/go/unifiedcomputing

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C45-587487-03 09/11

FY 2013 Technology Services Capital Budget
Virtual Environment Replacement
Priority 1

Quote

solarwinds

Fax or email this Quote and reference the quote number on your purchase order or call us with your credit card details. Please ensure your records reflect our new address.

SolarWinds Quote: QN152604
SW21759073
Currency: USD

This quote is valid until: 10/31/2011 (Terms: Net 30)

SW21759073
Company: Town of Framingham
Address: None
Town of Framingham
NONE
United States
Phone:
Email:

SolarWinds
3711 S. MoPac Expressway Building #2
Austin, TX 78746
Tax ID# 73-1559348
Sales Contact: JD Dayal
Email: jd.dayal@solarwinds.com
Phone:
Fax:

Quantity	Product	SKU	Unit Price	Ext Price	Total
1	SolarWinds Network Performance Monitor SL250 (up to 250 elements) - License with 1st-year Maintenance	1246	$5,475.00	$5,475.00	$5,475.00
1	SolarWinds NetFlow Traffic Analyzer Module for SolarWinds Network Performance Monitor SL250 - License with 1st-year Maintenance	3051	$3,895.00	$3,895.00	$3,895.00
1	SolarWinds IP SLA Manager SLA5 (Up to 5 IP SLA source devices) - License with 1st-year Maintenance	4300	$1,495.00	$1,495.00	$1,495.00
1	SolarWinds Application Performance Monitor AL300 (up to 300 monitors) - License with 1st-year Maintenance	4803	$4,995.00	$4,995.00	$4,995.00
1	SolarWinds User Device Tracker UT2500 (up to 2500 ports) - License with 1st-Year Maintenance	6301	$1,795.00	$1,795.00	$1,795.00
				Sub Total:	$17,655.00
				Tax:	$0.00
				Total Amount Due:	$17,655.00

solarwinds

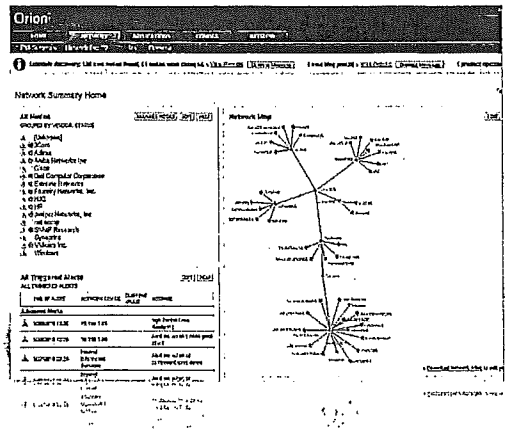
Orion Network Performance Monitor

AVAILABILITY & PERFORMANCE MANAGEMENT FOR YOUR DATA CENTER NETWORK

Simplify your Network Performance Monitoring

"I have continued to watch this product evolve since version 7.0 and have always found the interface and built in tools helpful and well thought out. The drill downs into more detailed reports on interfaces, nodes and resources have made this product a mainstay in the network... Definitely the best NPM product I have ever worked with."

- eusbreeves
posted on solarwinds.com



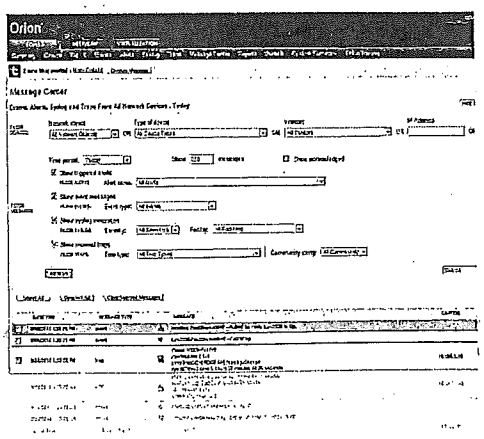
We know that keeping up with all the new technologies and changes in your IT environment is a challenge—especially as data center networks move beyond traditional LAN/WAN switching and routing to a true network fabric that incorporates physical devices, virtual networks and proprietary networking. All the while, virtualized data center and private cloud initiatives are piling on top of the need to deliver 100% availability of a constantly changing network—and often with no additional resources to help. How can you possibly keep up?

We know the challenges you face, because we're network engineers and system administrators just like you. We know what it takes to manage complex, evolving networks and data centers. In fact, we pooled all of our "what if's" to design Orion Network Performance Monitor (NPM)— a powerful, yet easy-to-use, network availability and performance management solution that delivers the critical information you need to stay on top of your evolving network.

Orion NPM enables you to quickly detect, diagnose, and resolve network performance problems and outages—before you start getting calls asking if the network is down. And Orion NPM is the easiest product of its kind to deploy, use, and maintain. That means you can spend your time actually managing your network, not supporting your network management software. Plus, with one-hour, do-it-yourself deployment, you'll be monitoring immediately, instead of filling out statements of work for more consultants. See how easy network management can be with Orion NPM!

Orion NPM Highlights:

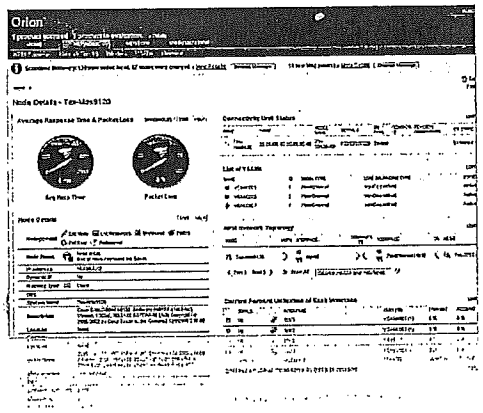
- **Monitors and analyzes real-time, in-depth, network performance statistics for routers, switches, wireless access points, servers, and any other SNMP-enabled devices**
- **Monitors VMware® servers and automatically tracks VM performance through vCenter™**
- **Monitors virtualized Cisco® Nexus 1000V switches with the same ease as physical servers**
- **Monitors VSAN and Fibre Channel performance issues with real-time, threshold-based alerting and reports that show VSAN health**
- **Simplifies the management of your Cisco Unified Computing System™ (UCS) components by providing a single unified view of your data center network health**
- **Allows you to quickly view the status of your core IT services and data center through refined alerting that dynamically groups related systems and devices**
- **Delivers alerts on real issues by enabling advanced network alerting dependencies for correlated events, sustained conditions, and complex combinations of device states**



- Periodically scans your network for changes, prompts you to monitor new devices, provides drag-and-drop update capabilities for your network maps, and automatically displays connections between devices
- Displays your network pictorially and enables you to visually track performance statistics in real time via dynamic network maps
- Enables quick and easily troubleshooting of network issues with SolarWinds LUCID™ (Logical, Usable, Customizable, Interactive, Drill-down) Interface
- Supports drill down on a device-by-device basis and display of detailed system information on your network device, server, virtual machine, or virtual or Fibre Channel switch
- Out-of-the-box reports deliver insight into the health of your network or data center
- Supports sharing of performance data with stakeholders who don't have an Orion NPM login—easily schedule and export reports to a .PDF format
- Scales to accommodate growth and enterprise network management needs with a Failover Engine (FoE), multiple polling engines, and additional web servers
- Extends management capabilities to NetFlow traffic analysis, IP SLA monitoring, IP address management, network configuration management, and application and server performance
- Deploys in less than an hour with do-it-yourself deployment, no expensive consultants required
- Leverages your existing Microsoft® Active Directory™ user accounts to provide Orion login credentials

"The web-based interface provides instant, constant updates as to the status of our network to helpdesk staff, tech staff and management."

- pob
posted on solarwinds.com



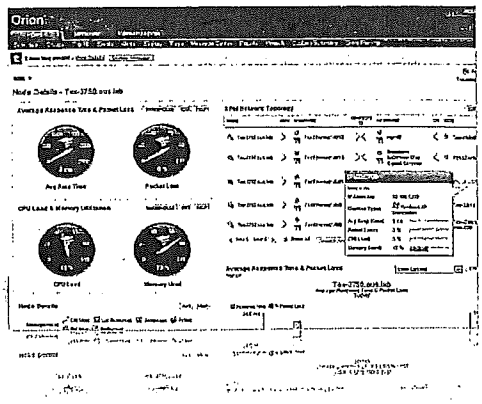
Orion NPM Features

Availability & Performance Management

Orion NPM provides comprehensive fault management and monitors performance and availability to ensure that your network is always running at peak performance. Via a cutting-edge web interface, Orion NPM gives you a unified view into the performance of thousands of nodes and interfaces on your network. From a single web page, you can monitor performance metrics from any SNMP-enabled device, including routers, switches, firewalls, and servers. Commonly monitored metrics include bandwidth utilization, packet loss, latency, errors, discards, and QoS. With Orion NPM, you get the information you need to quickly fix issues before your users ever have a chance to call the help desk.

LUCID Interface

Most software vendors claim their software is easy to use. But at SolarWinds, we are taking "easy-to-use" to a whole new level with our LUCID Interface. Based on feedback from thousands of engineers just like you, we have identified and implemented five critical interface attributes that simplify network troubleshooting.



- Logical – The SolarWinds LUCID interface presents network performance information in a logical and intuitive manner to help you quickly make informed decisions about your network. The interface precisely presents the information you need to quickly determine if your network is suffering from poor performance.
- Useable – Orion NPM provides a tremendous breadth of information in every view, yet the interface is very useable. Administrator tasks have all been designed to allow you to maintain the Orion system with just a few clicks of your mouse.
- Customizable – Rearrange Web resources, Top 10 views, modify time periods, and customize resources to meet your specific network environment. Easily tailor Orion's maps to match so you can quickly discover any performance related issues.
- Interactive – Orion automatically updates your network's latest performance indicators to help you quickly determine if any network issues could potentially impact users.
- Drill-down – View detailed information on virtually every device, performance indicator, and status link by simply drilling into respective hot performance indicators.

"[Orion] just keeps getting better with each release."

- Psykobmbor
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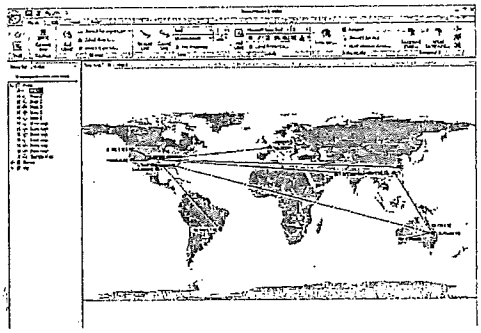
ConnectNow™ Topology Mapping



Orion NPM's Network Atlas™ automatically maps your network, allowing you to view your network pictorially and visually track performance statistics in real time via dynamic network maps. With our exclusive ConnectNow technology, you can automatically discover and display the connections between network devices on your maps. Choose from several built-in geographic map templates or import a logical image of your own network based on floor, building, department, or larger geographic location. Multiple network maps can also be nested to provide drill-down capabilities.

Conditional Group Dependencies

Orion's Conditional Group Dependencies allows you to intelligently define relationships between connected devices and/or interfaces. These dependencies allow you to receive a single critical alert if your core router goes down instead of an onslaught of hundreds of alerts for each of the connected devices and interfaces that are also down.

MODEL	MANAGES:
SL100	Up to 100 elements
SL250	Up to 250 elements
SL500	Up to 500 elements
SL2000	Up to 2000 elements
SLX	Unlimited elements

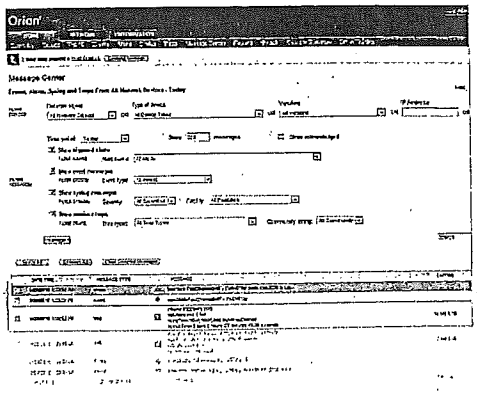
Dynamic Service Groups

Simplify monitoring for large and complex IT environments by logically grouping network devices, interfaces, servers or volumes. With dynamic service groups, you can monitor and aggregate views of servers, routers, switches, interfaces and other dynamic groups by service (E-mail), location, department or manufacturer.

Message Center

The Orion Message Center is your central view for all of the notification messages about your network performance. This consolidated view allows you to quickly troubleshoot network performance issues by analyzing SNMP trap and Syslog data from a single interface, instead of by polling various machines. Events

and alerts are also routed to this interface, allowing you to perform manual event correlation and basic root cause analysis.



Enterprise Scalability

Orion NPM ensures that your network will never outgrow your management solution. As a highly scalable, enterprise network management platform, Orion NPM can accommodate network growth through the addition of multiple polling engines, additional web servers, and an enterprise operations console.

Orion NPM Modules:

- Application Performance Monitor
- IP Address Manager
- NetFlow Traffic Analyzer
- IP SLA Manager
- Network Configuration Manager

Orion NPM modules extend the capabilities of Orion NPM to network traffic analysis, VoIP infrastructure monitoring, IP address management, application monitoring, network config management, and server and application monitoring.

System Requirements

CPU Speed: 3.0 GHz; Hard Drive Space: 20 GB; Memory: 3 GB; Operating System: Windows 2003 and 2008 Server (32-bit or 64-bit) including R2, with IIS installed, running in 32-bit mode; .NET 3.5 Framework; Database: SQL Server 2005 SP1 / 2008 (Express, Standard, or Enterprise)

Advanced Alerting

Orion NPM enables you to quickly and easily configure powerful network alert engines to respond to hundreds of different network scenarios, including multiple condition checks. These network alerts help you recognize and correct issues before your users experience performance degradation or availability issues. With alerting support for correlated events and sustained conditions, Orion NPM ensures that you don't get paged at 3am unless there is a critical issue. Additionally, Orion NPM can automatically escalate network alerts until a problem is resolved.

Integrated Wireless Poller

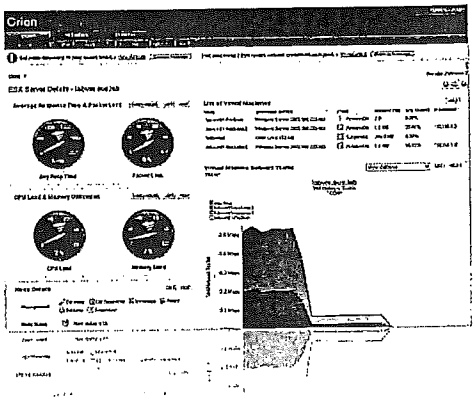
While we all love the convenience of wireless, managing this technology can give you a headache like no other! Trying to monitor, secure, and support the multitude of wireless devices on the market today is a nearly impossible task... unless, of course, you have Orion NPM. Orion NPM's Integrated Wireless Poller enables you to easily manage wireless thin and autonomous access points and their associated clients. Orion NPM can monitor your wireless devices alongside your wired devices and provide you with alerts, reports, and Top 10 lists for your wireless infrastructure!

Universal Device Poller

Out of the box, Orion NPM ships with a MIB database that covers the vast majority of common network devices. But for that handful of odd devices that are lurking in your network—or for newer devices that have MIB tables—you can now collect valuable and highly detailed management data. Orion NPM makes it easy to create a custom poller to monitor any SNMP-enabled device value that has a MIB, including virtually any statistic that a network device records. You can also customize how you want the collected data displayed for graphing, alerting, and reporting purposes. And, using the MIB Transformation Wizard, you can convert MIB values into the units of measurement that are most useful to you.

Integrated Virtual Infrastructure Monitor

We've designed Orion NPM to monitor virtualization comprehensively, from the data center, to the virtual machine, to the underlying network infrastructure. With Orion NPM's integrated virtual infrastructure monitoring capabilities, you'll gain deep visibility into your virtualized environments so you can ensure network performance helps, not hinders, your virtualization projects.



Orion NPM communicates directly with VMware infrastructure to determine how the host servers are

performing and to gauge the health of individual virtual machines. Information is rolled up at each of the hierarchical layers (vCenter -> Data Center -> Clusters -> Hosts -> VMs), so you can quickly determine if your virtualized infrastructure is performing poorly. You'll gain insight into statistics such as CPU and memory utilization, disk usage, guest OS, network usage, effective CPU load, and more—making it easy to ensure that applications are performing well and that the virtual and physical resources on the server are optimized.

Mobile Views

With Orion NPM's new Mobile Views, you can monitor your network performance from popular mobile web browsers including iPhone®, Blackberry®, and Android™ allowing you to unchain yourself from your desk and work station.

Report Writer

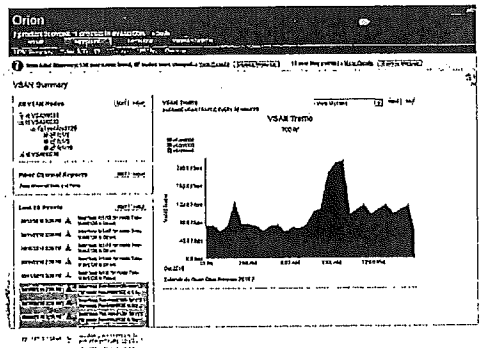
Orion NPM's advanced reporting engine enables you to quickly generate custom network reports that can be exported to pdf, printed or viewed on the web. Shipping with numerous built-in reports, Orion NPM makes it easy to report on performance data over specific time periods or by network segment.

Microsoft Active Directory Integration

Leverage your existing Microsoft Active Directory user accounts and groups to allow users to log into Orion using custom username/password or optionally use AD pass-through login to bypass the login screens altogether. As an administrator, you can customize each account or group and specify which types of information are displayed within the Orion interface for a particular department, group, or user. This ensures that only the people who need to view specific information have access to it, providing an increased level of internal security.

VSAN Summary

With dedicated views into VSAN devices, you'll be able to quickly see how much traffic is passing through each device and interface, which ports belong to which VSANs, what type of media the devices are leverage, and much more. Threshold based alerting allows you to get ahead of any VSAN performance issues so you're the first to find out (and fix) any issues before users start complaining.



Cisco Unified Computing System (UCS) Support

By uniting computing, networking, storage access and virtualization into a next generation data center platform, Cisco's Unified Computing System (UCS) revolutionizes the virtualized environment. Orion Network Performance Monitor (NPM) simplifies the management of your Cisco Unified Computing System (UCS) components by providing a single unified view of your data center network health.

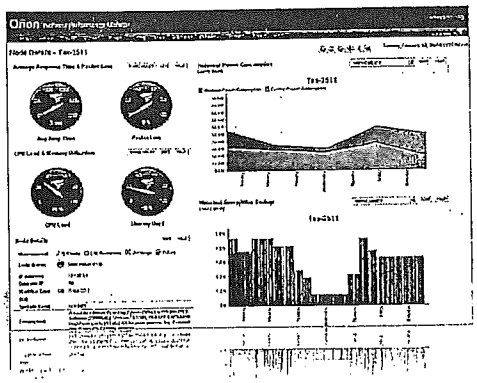
Community Content Exchange

Have you discovered thwack, the SolarWinds community for IT pros? The useful information, tools and other valuable resources on thwack are now directly integrated into Orion NPM's interface. By deploying Orion NPM and using thwack, you'll be joining a community of thousands of network engineers who can help make your job easier. Having the power of thousands of engineers behind you brings many benefits, especially when it comes to sharing resources. On thwack, Orion customers share everything from custom reports, custom alerts, and custom views to application monitoring templates.

Automated Network Discovery

Maintaining a real-time list of network devices is no small task for today's dynamic networks. It's hard to keep track of your multiplying numbers of network devices, which is why we've designed Orion NPM's Network Sonar to automatically discover new devices that are added to your network. When new devices are discovered, Network Sonar checks your existing SNMP credentials and prompts you to begin monitoring the new devices. You can also leverage the built-in Network Atlas to quickly create and update your network maps and display connections to the new devices, ensuring your network maps are always up to date.

Cisco EnergyWise Monitoring



Cisco EnergyWise focuses on reducing the energy consumption of all devices connected to a Cisco network ranging from Power over Ethernet (PoE) devices, such as IP phones and wireless access points, to IP-enabled building and lighting controllers. EnergyWise technology gives you a framework for discovering, monitoring, optimizing, advising, and regulating energy needs for your business. Cisco EnergyWise encompasses a highly intelligent, network-based approach to communicate messages that control energy between network devices and endpoints.

Role-Based Access Control

Orion NPM allows you to establish unique accounts and specify which types of information are displayed within the Orion interface for a particular department, group, or user. This ensures that only the people who need to view specific information have access to it, providing an increased level of internal security. For example, Orion NPM can be configured so that the server team only sees the servers, while the Texas IT group has a view limited to the geography for which they are responsible.

Do-it-Yourself Deployment

Deploying Orion NPM is a simple three-step process. First, install and configure Orion NPM using a simple wizard interface. Next, let Orion NPM automatically discover your network. Finally, begin monitoring your network for fault and performance issues. You'll be done in less than an hour. No consultants required. Even better, with Orion NPM's intuitive web interface, you won't need to attend training classes, read books with large animals on the cover, or pour through manuals to start being productive with Orion NPM from day one.

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For additional information, please contact SolarWinds at 866.530.8100 or e-mail sales@solarwinds.com.
To locate an international reseller near you, visit www.solarwinds.com/distributor/locator.html

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SolarWinds

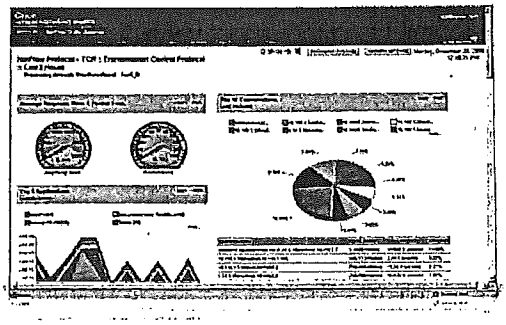
NetFlow Traffic Analyzer

ORION MODULE

Put the Brakes on Bandwidth Hogs with Orion NetFlow Traffic Analyzer

"Recently, SolarWinds helped our team uncover a significant performance issue with our WAN that led to a $167,000 credit from our data provider. Now that's an ROI payback!"

- Khris Hruska, The Learning Care Group



Your network performance soars or suffers based on what users are doing. You've pleaded with employees to stop using the corporate network for bandwidth-hogging applications like streaming music and playing World of Warcraft®, but no one seems to care. You've been called out by upper management due to poor network performance more times than you've thought about attending Comic-Con®. You've enabled CBQoS to give higher priority to critical traffic like voice – but how do you know if these policies are effective? How can you analyze the traffic on your network so you can respond? Not to worry, we have an answer.

Orion NetFlow Traffic Analyzer (NTA) enables you to capture data from continuous streams of network traffic and convert those raw numbers into easy-to-interpret charts and tables that quantify exactly how the corporate network is being used, by whom and for what purpose. And with CBQoS monitoring you can be sure that the policies you've set give your mission-critical traffic the highest level of priority. We make it easy to get a comprehensive view of your network traffic, find the bottlenecks, and shut down the bandwidth hogs.

NetFlow Traffic Analyzer Highlights:

- **Identifies which users, applications, and protocols** are consuming the most network bandwidth and **highlights the IP addresses of the top talkers** on the network
- Monitors network traffic by **capturing flow data** from network devices, including Cisco® NetFlow v5 or v9, Juniper® J-Flow, IPFIX, and sFlow®
- **Maps the traffic arriving from designated ports, source IPs, destination IPs, and even protocols**, to application names you can easily recognize
- **Delivers an instant alert notification**, including a list of top talkers, when an interface exceeds its utilization threshold
- Performs **Class-Based Quality of Service (CBQoS) monitoring** to ensure that your traffic prioritization policies are effective
- Enables you to **quickly drill-down into traffic on specific network elements**, using multiple views to get the perspective you're looking for
- Generates **network traffic reports** with just a few clicks
- Facilitates investigation of **fault, performance, and configuration issues** thanks to complete integration with Orion NPM and Orion NCM

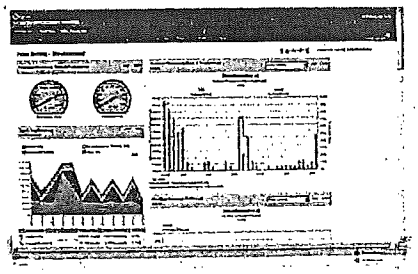
NetFlow Traffic Analyzer Features

Orion Modules:

- IP SLA Manager
- NetFlow Traffic Analyzer
- IP Address Manager
- Application Performance Monitor

Orion modules extend the capabilities of Orion to network traffic analysis, VoIP, servers, wireless devices, and applications.

Detailed Traffic Analysis

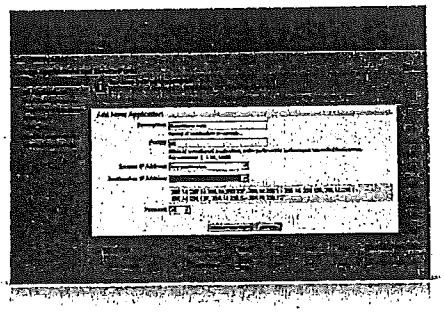


NetFlow Traffic Analyzer (NTA) provides you with unprecedented views into network traffic, enabling you to proactively ensure that you are optimizing network resources. By examining flow data on routers and switches from leading vendors, NTA determines traffic by user, application, department, conversation, interface, protocol and type of service. Integration with Orion provides users with the extensive drill down across traffic patterns and into device performance, resulting in deep visibility into usage, performance, and availability statistics.

NetFlow Forensics

NTA makes it quick and easy to investigate and isolate excessive network bandwidth utilization and unexpected application traffic, as well as analyze QoS performance by user, group, application, country, or protocol.

Advanced Application Mapping

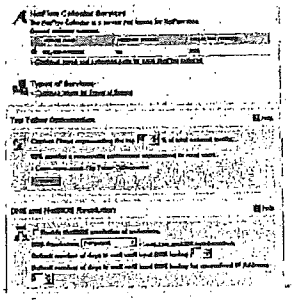


Knowing that 98% of your bandwidth is "web traffic" is nice. But knowing what percentage is being used by YouTube™, Facebook®, or Amazon®, versus critical business applications like Salesforce.com®, is really useful! Orion NTA correlates the traffic arriving from designated ports, source IPs, destination IPs, and even protocols, to application names you can easily recognize.

Network Traffic View Builder

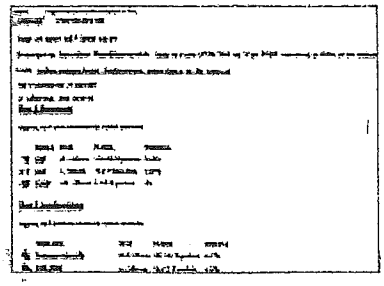
With Orion NetFlow Traffic Analyzer, you can create and share personalized views of network traffic. Get as specific as you like – if you want to see domain traffic generated during standard office hours from a specific IP address, it's no problem. With your own personalized view of network traffic, you can quickly isolate and continually monitor those problematic applications and users!

Top Talker Optimization



Top talker optimization allows you to focus your traffic analysis on the users and applications that consume the majority of network bandwidth. Orion NTA determines which flows are representative of the majority of bandwidth usage and stores those flows while disregarding flow data from users and apps that have a negligible impact on the overall bandwidth. This elegant solution boosts overall performance of Orion NTA up to 10x when capturing flows that represent 95% of the total network traffic.

NetFlow Traffic Analyzer Features cont.

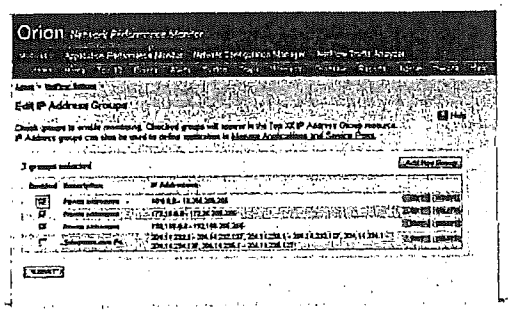


Interface Alerts with Top Talker Details

With Orion, you can easily configure an interface utilization alert to notify you whenever bandwidth consumption exceeds your defined threshold and also quickly determine who is consuming it. So the next time Ann in finance is watching Justin Bieber Youtube videos and slamming your internet gateway's primary interface, you'll get a heads up e-mail alert notification telling you the bandwidth utilization for that interface is approaching capacity with a list of top talkers so you can instantly de-prioritize Ann's Youtube traffic.

CBQoS Performance Views

With NTA, you can view network traffic segmented by Class of Service methods, such as Type of Service or DSCP. Plus, you can quickly quantify the amount of bandwidth each of your critical QoS levels is consuming, including voice and video data, to determine if your network is configured to meet company goals.



Multi-vendor Device Support

Support for NetFlow v5, NetFlow v9, sFlow v5, and J-Flow enabled devices from Cisco, Foundry, Juniper Networks, Extreme Networks, HP, Riverbed, and other leading vendors.

System Requirements

Minimum Hardware Requirements: CPU Speed: 3.0 GHz; Hard Drive Space: 20 GB; Memory: 3 GB; Operating System: Windows 2003/2008 Server (32-bit or 64-bit), with IIS installed; Database: SQL Server 2005 SP1 Express, Standard, or Enterprise or SQL Server 2008 Express/Standard/Enterprise

IP Address Groups

Create your own IP address groups to view network traffic the way that YOU want to see it! Using the IP address group feature, you can view network traffic by multiple ranges of IP addresses (even overlapping IP addresses), by geography, department, or even device types such as firewalls, routers, switches, and servers.

Orion NPM Integration

Orion NTA is part of the Orion family, providing all the enterprise scalability and stability benefits you've come to know and love. Orion NTA incorporates monitoring of NetFlow, J-Flow, sFlow®, IPFIX, and CBQoS traffic into Orion's familiar and intuitive web-based charts, graphs, tables, top 10 lists, and reports.

Flow-based Reporting

Orion-style reports can be run and scheduled with NTA, making it fast and simple to create in-depth network traffic reports with a few mouse clicks or schedule automatic weekly delivery to your management team. Out-of-the-box reports include:

- Traffic by top xx resources based on percentages of top 100 items
- Traffic by top xx applications, endpoints, protocols, and domains over y days
- Traffic by IP address group over y days

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For additional information, please contact SolarWinds at 866.530.8100 or e-mail sales@solarwinds.com.
To locate an international reseller near you, visit www.solarwinds.com/partners/reseller_locator.aspx

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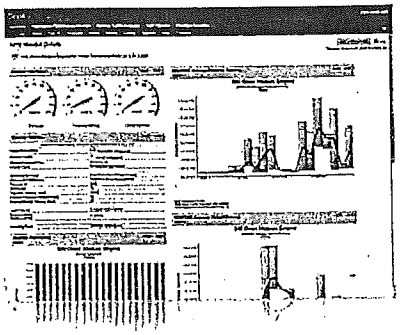
Application Performance Monitor

Finally—Application Performance Monitoring Software That Delivers All the Power You Need Without the Complexity and Cost!

*"Application Performance Monitor has **better granularity** and **provides more details**, so we know more quickly when we have problems."*

— Matt Schaeffer, Systems Administrator, Home Instead Senior Care®



We've been in your shoes. We know that in order to really understand what's happening with your applications, you need a complete view of application performance along with insight into the performance of underlying servers. And you need to get it affordably and quickly—meaning no agents, no expensive consultants, and no long deployment cycles.

SolarWinds Application Performance Monitor (APM) delivers enterprise-class, agentless, application performance monitoring for your applications and servers—at a price point that even your CFO can love. And SolarWinds APM is really quick and easy to deploy. Just install the software, select the apps and servers you want to monitor, and go grab some lunch while SolarWinds APM auto-discovers the applications and servers in your environment. When you get back, your SolarWinds APM monitoring environment will be waiting for you—complete with out-of-the-box dashboards, alerts, reports, and more! It's as easy as that!

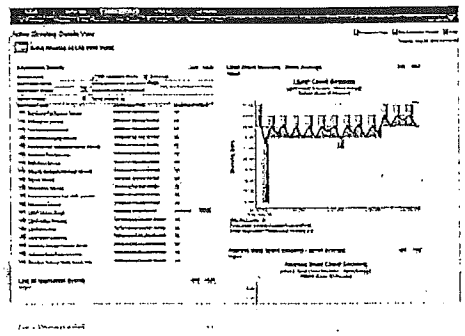
SolarWinds APM Highlights

- **Get at-a-glance insight** into the health of your physical and virtual applications and server infrastructure—all through a single pane of glass NEW
- **Monitor virtually any application and the underlying servers it runs on** using out-of-the-box monitors or templates from the Community Content Exchange on thwack
- **Keep an eye on the complex, multi-tier application architectures that are unique to your business and IT environment by** aggregating views of server and application groups by service (such as email), location, or department NEW
- **Perform root-cause analysis across your physical and virtual apps and servers** NEW
- **Quickly pinpoint the source of performance issues using an** intuitive, LUCID™ interface **designed to work the way you do** ENHANCED
- **Take control over how you are alerted by configuring alerts and escalation sequences based on** correlated events, sustained conditions, complex combinations of states, and more ENHANCED
- **Eliminate unnecessary disruptions by** configuring intelligent alerts that recognize application and server dependencies NEW
- **Simulate the performance your end-users experience** using out-of-the-box user experience monitors for popular applications and core IT services such as email and HTTP
- **Quickly and easily deploy SolarWinds APM in less than an hour** using a powerful Application Discovery Engine and out-of-the-box dashboards, alerts, and reports—no expensive training or consultants required
- **Migrate from open-source solutions** such as Nagios® with the Open Source Script Processor
- **Leverage existing Microsoft® Active Directory™ user accounts and groups and** simplify creation of SolarWinds login credentials NEW
- **Run SolarWinds APM standalone or together with SolarWinds Network Performance Monitor (NPM)** for a comprehensive view into application, server and network performance NEW

*"Through a **unified console** we now have **point-and-click access** to comprehensive charts and detailed reports that deliver a clear portrait of the network traffic, thereby increasing our ability to enhance the performance, availability and security of the network."*

— Jeff Salisbury, Senior Manager IT Infrastructure, Belkin Components

SolarWinds APM Features



Application & Server Dashboards
Getting a concise view of application performance is a cinch with the Application Monitoring Dashboards in SolarWinds Application Performance Monitor (APM). You can get immediate visibility into critical applications with out-of-the-box dashboards for Microsoft Active Directory®, Exchange, SQL Server®, IIS, Windows®, & Linux® or easily create your own for other applications. Plus, using our LUCID interface, you can quickly drill down into application views to view key performance data for that application, enabling you to troubleshoot performance issues quickly and easily.

Dynamic Service Groups
Finding the root cause of an issue can be like finding a specific block in an unsorted box full of Legos®! But now you can simplify application monitoring and root cause analysis in large and complex IT environments by grouping servers or applications by virtually any category. With Dynamic Service Groups, you can monitor and aggregate views of server and application groups by service (such as email), location, or department—making it easier to isolate where an issue is occurring.

Conditional Group Dependencies
Sometimes more is better. But that's not the case with application alerts. The Conditional Group Dependencies feature in SolarWinds APM enables you to intelligently map applications to the virtual or physical servers they run on. These dependencies allow you to receive a single critical alert if one application or server goes down instead of an onslaught of hundreds of alerts for each of the servers and applications that are impacted.

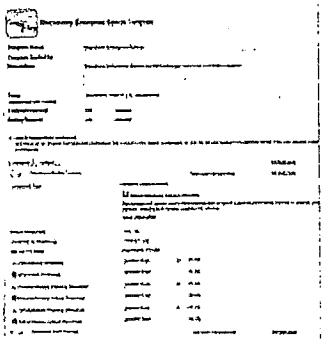
Integrated Virtual Infrastructure Monitor
Remember when you could actually see and touch what you were managing in your data center? Back when a server was a physical box sitting in a rack rather than an amorphous virtual machine? Today your data center is more like something right out of The Matrix. That's why we've designed SolarWinds APM to monitor virtualized servers and applications, from the datacenter to the virtual machine. Using the Integrated Virtual Infrastructure Monitor, you'll gain deep visibility into your virtualized environments and applications so you can ensure that application

Server Monitoring
Maintaining visibility into the health of business-critical applications and the servers they run on can be a real challenge—especially in complex, multi-vendor data centers. Keep a step ahead of server performance issues with SolarWinds APM.

User Experience Monitors
SolarWinds APM enables you to measure application performance from an end user's perspective with out-of-the-box SaaS monitoring and support for HTTP, HTTPS, DNS, Microsoft SQL Server, Oracle®, and other ODBC databases. This user experience measurement gives you a heads up on problems and helps ensure that your users are happy with the performance of the applications that they rely on.

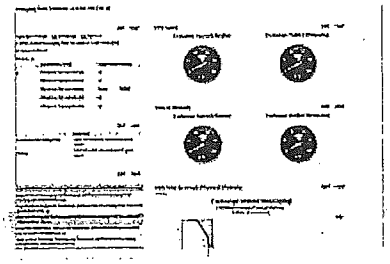
MODEL	MANAGES:
AL50	Up to 50 monitors
AL150	Up to 150 monitors
AL300	Up to 300 monitors
AL700	Up to 700 monitors
AL1100	Up to 1100 monitors
AL1500	Up to 1500 monitors
ALX	Unlimited monitors

Application Discovery Engine
The Application Discovery Engine in SolarWinds APM automatically scans your servers, discovers applications, and assigns out-of-the-box monitoring templates within minutes of installation. No agents are needed, so deployment and maintenance are a breeze and there's no concern about slowing down your network. Additionally, the Application Discovery Engine automatically assigns out-of-the-box templates including Microsoft® Exchange, IIS, Active Directory®, and Apache.



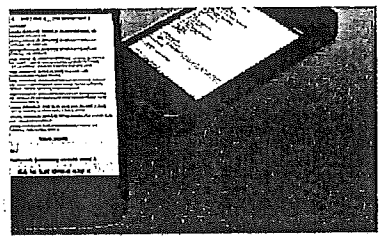
SolarWinds APM Features

Out-of-the-Box Application Reporting
SolarWinds APM offers a number of built-in application reports, making it quick and easy to report on application and server performance over specific time periods. These reports help you monitor availability, performance, and utilization statistics, as well as project future trends and capacity needs. A simple interface facilitates customizing out-of-the-box reports and also enables creation of completely customized reports using SQL commands. You can even create reports for specific user profiles, making it easy to generate reports for specific departments or recipients.



LUCID Interface
Most software vendors will tell you that their software is easy to use. At SolarWinds, we are taking "easy-to-use" to a whole new level with our LUCID Interface. Based on feedback from thousands of IT pros just like you, we have identified and implemented five critical interface attributes that simplify troubleshooting of application and server performance issues.

Message Center for Streamlined Troubleshooting
The SolarWinds Message Center is your central view for all of the notification messages about the performance of your applications and servers. This consolidated view allows you to quickly troubleshoot performance issues by analyzing SNMP trap and Syslog data from a single interface, instead of by polling various machines. Events and alerts are also routed to this interface, allowing you to perform manual event correlation and basic root cause analysis.



Mobile Views From Android™, Blackberry®, iPhone®, & More
Your applications and servers don't care that you're out to lunch enjoying the fresh air and a juicy burger when they decide to act up. With the Mobile Views in SolarWinds APM, you can monitor application and server performance from popular mobile web browsers including iPhone, Android, Blackberry, and more.

Network Fault and Performance Integration
When used together, SolarWinds APM and Orion Network Performance Manager (NPM) deliver an end-to-end view into network, server, and application performance through an integrated web console. Not only will you get a single pane of glass for all of your monitoring data, you'll also love the intuitive charts, graphs, tables, alerting, Top Ten lists, and reporting views that SolarWinds APM shares with Orion NPM.

Active Directory Integration
Leverage your existing Microsoft Active Directory user accounts to allow users to log into SolarWinds APM. Users and groups can automatically login using custom username/password or optionally use an AD pass-through login to bypass the login screens altogether.

Advanced Application Alerting
When SolarWinds APM detects a downward trend, you'll be immediately alerted before the situation escalates into a disaster. SolarWinds APM relies on pre-configured or user-defined performance thresholds and sends alerts when these thresholds are crossed. Four tiers of thresholds can be established (good, warning, critical, and down) to help you quickly assess the difference between a system that is up—but performing poorly—and a system that is about to fail. SolarWinds APM includes more than sixteen built-in alert delivery methods and responses, including email, pages, SNMP traps, text-to-speech, syslog messages, and the launching of an external application.

Dynamic App Monitoring Templates
SolarWinds APM saves you time and eliminates repetitive—and sometimes tedious—configuration tasks by using centralized Application Monitor Templates to combine groups of monitors and settings. SolarWinds APM ships with Application Monitor Templates for popular applications, including Microsoft® Exchange, Microsoft Active Directory®, and BlackBerry® Enterprise Server, or you can easily create your own custom monitoring templates with just a few mouse clicks.

Shareable Application Views
SolarWinds APM makes it easy to customize both the statistics you want to monitor as well as the way that the data is presented in charts, gauges, and tables. Plus you can easily share your custom views.

Universal WMI Performance Monitors
SolarWinds APM makes it easy for you to remotely monitor WMI performance counters, so that you can identify and resolve application issues before users are impacted. Adding WMI monitors is as simple as clicking on a server icon, browsing the list of available counters, and selecting the ones you would like to add.

SolarWinds APM Features

Open Source Script Processor

A huge and growing collection of Nagios scripts is used globally to monitor thousands of network services, and we know that many of you rely on these open-source scripts for tasks like confirming the completion of daily backups. Now you can leverage your own Nagios scripts or those in third-party script libraries to extend SolarWinds APM's monitoring coverage. The script processor built into SolarWinds APM enables you to convert most Nagios scripts into a format that SolarWinds APM can use to schedule and run jobs and report on results.

Windows & Linux Script Monitors

If you have written your own Windows, Linux, or Unix scripts to monitor application health indicators that are not available through SNMP or WMI, you can now integrate these into SolarWinds APM. With just a few clicks, you can schedule their execution and report and alert on their output.

Windows Event Log Monitor

With SolarWinds APM, you can keep an eye out for specific Windows server events by configuring a monitor to poll events and generate alerts. In fact, it's easy - simply specify keywords to be included or excluded, or use regular expressions. You can even determine how far in the past to look for an event.

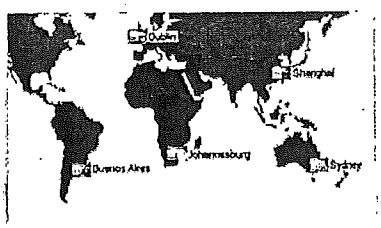
Network Services and Port Monitoring

SolarWinds APM actively monitors availability and responsiveness of critical network services with out-of-the-box monitors for DNS (over TCP and UDP), HTTP, HTTPS, IMAP4, POP3, SMTP, and NNTP. What's more, SolarWinds APM enables you to create customized TCP port monitors to verify network-based availability and responsiveness of applications, so you can rest easy knowing you'll be the first to hear about network service outages and performance bottlenecks.

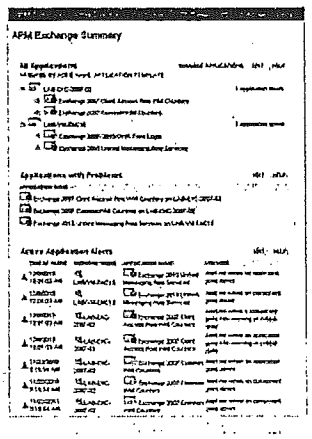
Community Content Exchange

Have you checked out thwack, the SolarWinds community of wicked-smart IT pros? Now you can leverage content posted in the thwack Community Content Exchange directly from within the SolarWinds APM user interface. SolarWinds APM's interactive web console enables you to browse, download, and share application monitor templates and scripts from directly within the product, making it easy to take advantage of the expertise offered by other community members.

Application Performance Maps



Many IT pros use SolarWinds Network Atlas to visually track network performance in real time with dynamic network maps. Adding Application Performance Maps gives you a comprehensive picture of your network and application health. Choose from several built-in geographic templates or import a logical image of your network based on floor, building, department or larger geographic location. Multiple maps can be nested to provide drill-down capabilities. Just as with network devices, you can drag and drop applications into their appropriate locations on the map so that you can view the performance of all applications on a specific server or in a specific location.



Email Monitoring

Within minutes of installation, SolarWinds APM's Application Discovery Engine automatically scans your servers, discovers applications, and assigns out-of-the-box monitoring templates—including monitors for Microsoft Exchange Server, IMAP4, POP3, and MAPI. Powerful application dashboards deliver at-a-glance insight into Email server health and performance. You can even measure application performance from an end-user's perspective with user experience monitors for Microsoft Exchange and other applications.

Database Performance Monitoring

Business productivity can grind to a halt when your database server is having performance issues. But maintaining visibility into the health of your database applications and the servers they run on can be a real challenge—especially in complex, multi-vendor data centers. Keep a step ahead of SQL performance issues and monitor performance and availability with SolarWinds APM.

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For additional information, please contact SolarWinds at 866.530.8100 or e-mail sales@solarwinds.com.
To locate an international reseller near you, visit www.solarwinds.com/partners/reseller_locator.aspx

SolarWinds Application Performance Monitor System Requirements

HARDWARE			
CPU	Dual Processor, 3GHz	**Operating System**	Windows 2003 & 2008 Sever (32-bit or 64-bit) including R2, with IIS installed, running in 32-bit mode
Memory	3 GB	**Net Framework**	Version 3.5 or later
Hard Drive	20 GB	**Database**	SQL Server 2005 SP1 Express, Standard, or Enterprise SQL Server 2008 (including R2) Express, Standard, or Enterprise
Software	Minimum Requirements		

NOTE: The minimum server requirements listed assume default configuration. Significantly increasing the poll rate or statistic collection rate could result in additional load on the server, which may require a larger CPU or additional memory.

Appendix

Out-of-the-Box & User-Generated Server and Application Monitors

SolarWinds APM leverages out-of-the-box and user-generated server and application monitors, enabling you to keep a close eye on virtually any application or server on your network or in your data center. Check out the application monitor list below for the apps and servers in your IT environment.

Out-of-the-Box Application Monitors

SolarWinds APM ships with a rich variety of out-of-the-box monitors for popular applications and operating systems.

OPERATING SYSTEM
Microsoft Windows™ Server 2003 and 2008
IBM AIX®
HP-UX
Linux® (Red Hat®, SuSE®, Ubuntu®) — SSH compatibility required
Sun Solaris™
UNIX

WEB SERVERS AND URL MONITORS
HTTP User Experience
HTTPS User Experience
Microsoft® Internet Information Services (IIS)
Apache®

EMAIL AND DIRECTORY SERVERS
Microsoft® Exchange 2000, 2003, 2007, & 2010 (Exchange Server)
Microsoft Active Directory®
Lotus Domino Servers
BlackBerry Enterprise Server
BlackBerry Delivery Confirmation
LDAP and DHCP user experience monitors

DATABASES
SQL Query User Experience
Microsoft SQL Server®
Oracle®
MySQL
ODBC User Experience
Oracle User Experience

NETWORK SERVICES
DNS Query User Experience
DNS Port
SNMP, SMTP, TCP Port
IMAP4
POP3
NNTP
FTP User Experience
Cisco Call Manager

SECURITY PROTOCOLS
RADIUS User Experience
TACACS+ User Experience

GENERAL PURPOSE
DNS Query User Experience
WMI Performance Counter
Windows® Script
Linux Script
Unix Script
Windows Service
Process Monitor (Windows, Linux, Unix)
File and Directory
Nagios® Script
Windows Event Log
Windows Printer
Microsoft Sharepoint®
Citrix XenApp
Dell® Servers

Application Monitors Downloadable From thwack

Expand SolarWinds APM's monitoring breadth by importing additional user-generated templates from thwack. You'll find over 230 preconfigured templates available on thwack. We've listed a few of the most downloaded templates below:

SAMPLE MONITORS AVAILABLE ON THWACK
Citrix® Presentation Server™
BlackBerry Enterprise Server™
VMware® vCenter™
McAfee® ePolicy Orchestrator

Do-it-Yourself and Custom Application Monitors

Can't find your favorite application in the list of out-of-the-box application monitors or those posted on thwack? Never fear! SolarWinds APM makes it easier than ever to create your own application monitors. Below you'll find a few common DIY application monitors that other SolarWinds APM users have built themselves:

BACKUP SERVERS
Symantec Backup Exec™
Symantec NetBackup™
Microsoft Data Protection Manager

VIRTUALIZATION MONITORS
Microsoft Hyper-V™
VMware® (ESX Server)

APPLICATION SERVERS
Microsoft .NET™ Server
Java™ 2 Platform, Enterprise Edition Server (J2EE)
Apache Tomcat™
Apache Geronimo™
Oracle® E-Business Suite
IBM WebSphere®
SAP R/3™
SAP NetWeaver™
WebLogic

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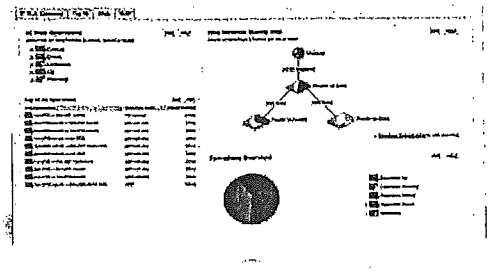
Orion IP SLA Manager

ORION NPM MODULE

Get a New Perspective on Your Network's Performance with Orion® IP SLA Manager, the Next Generation of Orion VoIP Monitor

"Cisco IP SLA allows me to quickly view the status of my remote branches' connectivity, as well as prove SLA compliance when issues arise."

-wkcheng



Sure, your local applications at headquarters are running perfectly (as usual). So why do those pesky satellite offices keep reporting their applications are slow? It couldn't possibly be the WAN's fault... or could it?

Orion IP SLA Manager answers this question and much more. This new Orion NPM module allows you to monitor WAN performance by tracking key edge-to-edge router performance statistics using Cisco® IP SLA technology. Like NetFlow, IP SLA technology is included free in the IOSs of most Cisco WAN routers.

Orion IP SLA Manager evolved from our previous Orion VoIP Monitor to deliver a powerful solution for identifying site-specific and WAN-related network performance issues. This module identifies which devices on your network support IP SLA operations and automatically sets up operations, eliminating any guesswork. Finally, you can monitor key WAN applications by analyzing the performance of the underlying network protocols, including DNS lookups, FTP, HTTP, TCP connect, and UDP jitter. Of course, you can also continue to monitor VoIP call paths to ensure quality of service for your voice traffic. Go ahead and get a new perspective on your network with Orion IP SLA Manager!

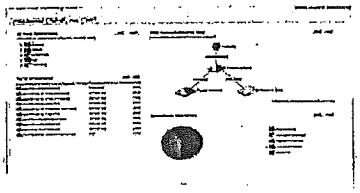
Orion IP SLA Manager Highlights:

- **Monitor WAN network performance** using IP SLA technology that's already built into your existing Cisco routers
- **Visualize site-to-site network performance** on a clickable, drill-down map
- **Discover and automatically setup** Cisco IP SLA-capable network devices with specific IP SLA operations
- Quickly review WAN performance to **determine the impact on key applications**
- View at-a-glance WAN performance with the **Top 10 IP SLA dashboard**
- Monitor **VoIP performance statistics**, including MOS, jitter, network latency, and packet loss

ODEL	MANAGED IP SLA SOURCE DEVICES
SLA 5	Up to 5
SLA 25	Up to 25
SLA 50	Up to 50
SLA X	Unlimited

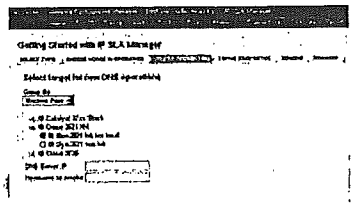
Orion IP SLA Manager Features

WAN Performance Dashboard



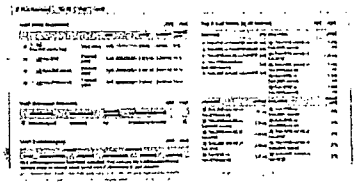
Monitoring WAN performance has never been easier. In fact, Orion IP SLA Manager allows you to build a custom dashboard that gives you at-a-glance insight into all aspects of WAN performance, including a global snapshot of all of your IP SLA operations. Handy Top 10 lists detail critical IP SLA performance statistics, while WAN performance maps make it easy to visualize site-to-site network performance, including the direction of performance issues. Changes on the map help you quickly determine if a site is experiencing poor performance, so that you can troubleshoot the connection to Hong Kong, knowing that your office in Frankfurt is sitting pretty.

Automatic IP SLA Setup



With Orion IP SLA Manager, setting up IP SLA operations on your edge routers and switches is a snap. You won't need any complicated CLI commands to get started; just a few clicks of your mouse and you're off. First, select from a list of IP SLA operations you'd like to monitor. Next, choose the network devices that you'd like to apply the IP SLA operations to. Orion IP SLA Manager will automatically determine which devices support the IP SLA operations you selected and begin monitoring them. Before you know it, you'll be in IP SLA monitoring bliss with enough time to spare for one more game of Warcraft®!

IP SLA Device Discovery

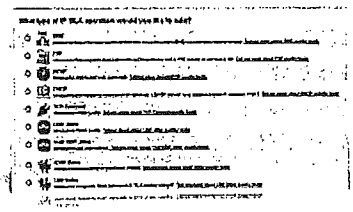


The new IP SLA Device Discovery feature in v3.1 simplifies setup by automatically discovering IP SLA capable devices and adding them to IP SLA Manager for activation. IP SLA Manager now scans your entire Orion device list and automatically imports IP SLA capable devices into the Orion IP SLA database. Once imported, devices are ready for automatic activation. This time-saving feature eliminates the guessing game of trying to determine which devices are IP SLA capable and which are not.

Advanced VoIP Monitoring

Orion IP SLA Manager uses Cisco IP SLAs to collect network performance statistics without intruding on voice calls. These statistics include MOS, jitter, network latency, and packet loss, giving you detailed visibility into VoIP performance. Plus, Orion's web console offers a unified view of overall network health as it relates to VoIP performance, as well as a one-stop shop for alerts and reporting.

Broad IP SLA Operation Support



With Cisco IP SLAs, you can ensure new IP applications, as well as IP services that utilize data and voice, all meet defined thresholds. IP SLA technology allows you to measure transport metrics from a Cisco IP SLA-capable device to another Cisco router, or even to other types of IP devices. This gives you the ability to measure performance from many different points in your network at the same time.

Orion IP SLA Manager supports popular IP SLA operations, including:

- **HTTP** - Measure the round-trip time to access a Web page
- **FTP** - Measure the round-trip time to transfer a file
- **DNS** - Measure the DNS look up time (time to request and receive a reply)
- **DHCP** - Measure the round-trip time to retrieve an IP address
- **TCP Connect** - Measure connection time, which is useful for application and server monitoring
- **UDP Jitter** - Measure round-trip delay, one-way delay, one-way jitter, and one-way packet loss
- **VoIP UDP Jitter** - Measure VoIP call path metrics
- **ICMP Echo** - Measure round-trip delay
- **UDP Echo** - Measure response times between IP SLA nodes using IP
- **ICMP Path Echo** - Discover a network path using traceroute and measure the response time between a Cisco router and devices using IP
- **ICMP Path Jitter** - Measure the inter-packet delay variance along a tracerouted network path

Alerts, Reports, and Events

Orion IP SLA Manager delivers alerts, reports, and events to keep you on top of WAN network performance. You'll know immediately if thresholds are violated, indicating that parameters are outside of what is considered "good" for a given WAN link, and can immediately start troubleshooting. Orion IP SLA Manager also enables you to analyze historical trends with graphs and reports, simplifying performance planning for existing deployments and measurement of expected WAN performance in advance of new deployments. Out-of-the-box IP SLA reports can be scheduled for automatic delivery, making it easy to fulfill your boss's request for weekly reports.

Orion NPM Modules:

- NetFlow Traffic Analyzer
- Application Performance Monitor
- IP Address Manager
- IP SLA Manager

Orion NPM modules extend the capabilities of Orion NPM to network traffic analysis, IP address management, VoIP monitoring, and application and server monitoring.

System Requirements

As an Orion module, Orion IP SLA Manager requires an installation of Orion Network Performance Monitor. The system requirements for Orion IP SLA Manager do not exceed Orion NPM requirements.

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For additional information, please contact SolarWinds at 866.530.8100 or e-mail sales@solarwinds.com.
To locate an international reseller near you, visit www.solarwinds.com/distributor/locator.html

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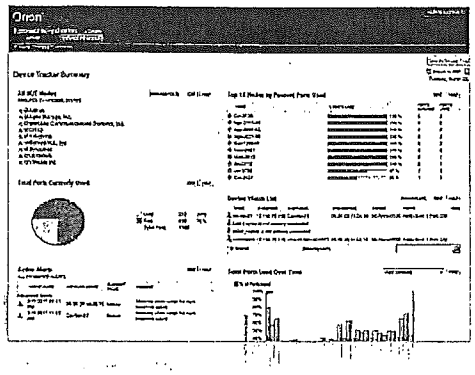
User Device Tracker

Devices Can't Hide When SolarWinds User Device Tracker Is On The Hunt!

Why pay for a pricey switch port tracking appliance when our user device tracking software can solve your problems—quickly and affordably!



What do you do when you need to find a device on your network and all you have is an IP address? Switch and port management can be a game of beat the clock when you're trying to find a lost or rogue device before it logs off your network. SolarWinds User Device Tracker (UDT) makes it easy to instantly find a device and retrieve the switch name, port, port description, VLAN and more. Simply search on an IP address, Hostname or MAC address, and User Device Tracker will quickly find the current location of your device. If the device is not currently connected to the network, historical data will show the last known location. You can even set up alerts to notify you when specific devices connect—so you can be there waiting. It's like having your own network-sniffing bloodhound!

SolarWinds User Device Tracker delivers the device-tracking capabilities of an expensive switch port-tracking appliance at a price point that won't have your CFO looking around where you don't want him or her to be. There's no reason to drop a bundle on an expensive appliance when you can use SolarWinds User Device Tracker to quickly find lost or rogue devices, create a device watch list and even track switch capacity.

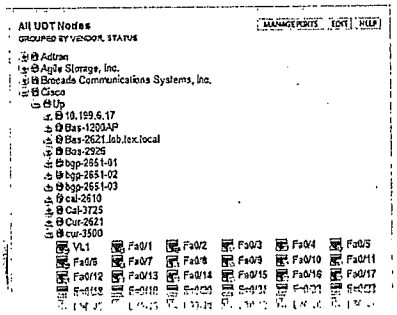
SolarWinds UDT Highlights

- Search on IP address, Hostname, or MAC address to trace the current location of a device
- Locate rogue devices quickly and easily
- Find available network ports
- Respond to network threats and events at lightning-speed
- Watch for a specific MAC address or Hostname to connect
- Find out where a device has been on the network in the past
- Learn the last known location of an unconnected device
- Discover switches operating near full capacity
- Display switch capacities to justify purchase of new equipment
- View individual ports per switch, reclaiming unused ports

SolarWinds User Device Tracker Features

Device Tracking Made Easy

SolarWinds User Device Tracker makes tracking devices easy and automatic. Gone are the days of manually trying to find a device that has become a security threat. You can instantly find the switch name, port, port description or VLAN for the device by running a quick search on its MAC, IP or hostname. If the device is no longer connected, no problem! SolarWinds User Device Tracker even shows historical results, so discovering a device's past location is a breeze!

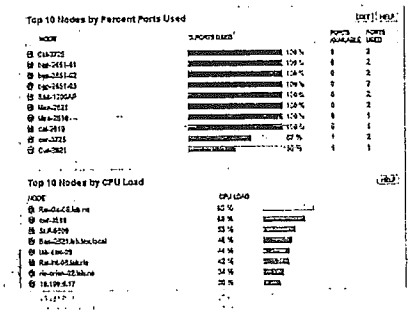


Switch Monitor

The switch monitor feature in SolarWinds User Device Tracker makes it easy to keep a close eye on the status of your switches with the simple click of a mouse. Arrange your switches in a handy tree view organized by vendor, location, status and many other parameters. Then, click on a switch in the tree to instantly see every port. A green light lets you know a port is in use and hovering over a port gives easy access to port status, VLAN, number of connected devices and more.

Device Watch List

Are you on the hunt for a lost or suspicious device? A device watch list created with SolarWinds User Device Tracker helps you keep an eye on specific devices. Simply search for a device by MAC address, IP address, or Hostname and add it to a device watch list. During network scans, SolarWinds User Device Tracker will be on the lookout for the little troublemaker and will alert you the next time it is seen on the network.

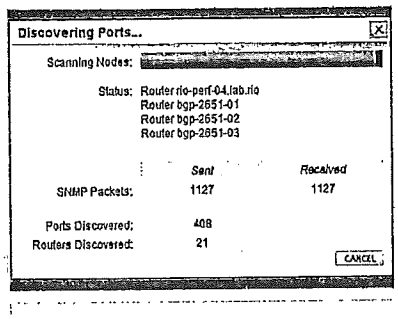


Switch Port Monitoring

Where are your devices, and how are they performing? Using the switch port monitoring feature in SolarWinds User Device Tracker, you can quickly identify equipment that is working at or near maximum capacity. You can display switches by ports used, CPU load, memory used and more to make switch port monitoring painless and load balancing a snap. Need switch port monitoring for satellite offices? Not a problem. The switch location doesn't make a difference—everything is administered from a single pane of glass.

Network Discovery

Maintaining a real-time list of switches and network devices is no small task when you are managing a dynamically-changing network. It's hard to keep track of the rapidly multiplying numbers of network devices. That's why we designed the network discovery features in SolarWinds User Device Tracker to automatically discover new devices that are added on your network. SolarWinds UDT initiates automated network scans that produce comprehensive network switch/port lists saving time by eliminating manual database entries.



Port Tracking

Port tracking features in SolarWinds User Device Tracker allows you to see port details and attached device history with a simple click! Details include the port name, number, VLAN and duplex along with a complete history of devices that have been attached to the port. Want to see if other devices have been plugged into this port or how long the current device has been there? With the port tracking features in UDT, you get all of this information and more!

LUCID Interface

Most software vendors claim their software is easy to use. But at SolarWinds, we are taking "easy-to-use" to a whole new level with our LUCID™ Interface. Based on feedback from thousands of engineers just like you, we have identified and implemented five critical interface attributes that simplify network troubleshooting and created a web interface that is Logical, Usable, Customizable, Interactive and Drill-down. The LUCID interface allows you to manage by exception, customize and view data in graphs, tables, maps and "top-ten" lists as well as receive instant notification when devices are added to or removed from the network.

HARDWARE	MINIMUM REQUIREMENTS
CPU	Dual processor, 3GHZ
Memory	3GB
Hard Drive	20GB

SOFTWARE	MINIMUM REQUIREMENTS
Operating System	Windows® 2003 & 2008 Server (32-bit or 64-bit) including R2, with IIS installed, running in 32-bit mode
Web Browser	Version 3.5 or later
Other	SQL Server® 2005 SP1 Express, Standard, Enterprise SQL Server 2008 Express, Standard, or Enterprise, or SQL Server 2008 R2

About SolarWinds

SolarWinds is an IT Management software company that makes powerful, affordable, easy to use software. SolarWinds has over 95,000 customers worldwide and an active community site thwack.com with more than 60,000 IT practitioners. SolarWinds offers free trial versions of its products which can be downloaded from solarwinds.com and in most cases, they can be installed and running in under an hour.

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For additional information, please contact SolarWinds at 866.530.8100 or e-mail sales@solarwinds.com.
To locate an international reseller near you, visit www.solarwinds.com/distributor/locator.html

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Capital Budget Request FY 2013

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Request Title	Department	Priority
Cisco UCM Upgrade	Technology Services	2
Category	**Division**	**Priority**
Equipment (Non-Rolling)	Technology Services	2

Type	Submitter
Improvement	Carly Melo
Status	**Submitter Title**
Submit	Acting Director

Request Description

Upgrade the Town's VOIP phone system hardware, which has been in use since June 2005, and will not support the current software requirements.

Request Justification

The memory requirements for the newest software upgrade exceed our current environment. Additional memory is needed for all routers utilized with the VOIP phone system, as well as the Cisco Unified Communications Manager (CUCM) servers. There is a router at each location, a total of 16 routers (Town Hall, Police HQ, 5 Fire Stations, Loring Arena, Parks and Recreation, Main Library, McAuliffe Library, Callahan Senior Center, Public Works facilities). These routers are used for emergency calls and SRST, which allows the offsite locations to continue phone communications in the event the locations lose connectivity to the CUCM system. The newest Cisco IP phones will require CUCM 8.0. We have, to date, been able to have our current phones replaced or serviced when necessary. However, the phone models in use are soon to be discontinued and we will not be able to add the new model phones unless we are on CUCM 8.0. The quote includes the additional memory, the software upgrade to version 8.0 and all professional services necessary to complete the upgrade.

Basis for Estimated Cost	
Vendor Quote	
Estimated Costs	
$34,836	Year 1
$0	Year 2
$0	Year 3
$0	Year 4
$0	Year 5
$0	Year 6
$0	Year 7
$0	Year 8
$0	Year 9
$0	Year 10
$34,836	

Proposed Funding Sources	Amount
General Fund	$34,836
	$0
	$0
	$0
	$34,836

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
The Cisco VOIP system is already under an existing maintenance contract; there will be no additional maintenance costs after the upgrade.

Printed 10/24/2011

FY 2013 Technology Services Capital Budget
Cisco UCM Upgrade
Priority 2

Price Quotation

INX, Inc.
Northeast Sales Operations
3 Allied Drive, Ste 308 Dedham, MA 02026

Date: October 7, 2011
Quote #: TOF-D42595-092711
From: Ethan Simmons
Phone: 617-896-6302
FAX:
Email: ethan.simmons@inxi.com

To: Jame Schiavone
Company Town of Framingham
Address: 150 Concord Street, Framingham, MA
Phone:
Email:

Vendor	Part Number	Description	Qty		Unit Price	Ext Price
CISCO	MEM2800-128CF=	128MB CF for the Cisco 2800 Series	12		$420.00	$5,040.00
CISCO	MEM2801-256D=	256MB SODIMM DRAM for the Cisco 2801	12		$1,200.00	$14,400.00
CISCO	MEM2811-256D=	256MB DIMM DDR DRAM for the Cisco 2811	1		$1,200.00	$1,200.00
CISCO	MEM2851-256D=	256MB DIMM DDR DRAM for the Cisco 2851	1		$1,200.00	$1,200.00
CISCO	MEM-7825-I4-2GB=	Spare 2x1GB DIMM for MCS 7825-I4	1		$897.00	$897.00
CISCO	HDD-7825-I4-250=	Spare 250GB Hard.Disk For MCS 7825-I4	2		$417.00	$834.00
ourcing Solu	432804-B21	1GB 1X1GB UB PC2-5300	4		$105.76	$423.04
ourcing Solu	349239-B21.	250GB SATA 7.2K HOT SWAP 3.5IN DISC	4		$175.34	$701.36
		The DL320G5 server can support up to 2 LFF hard drives. Server comes standard with 1 x 80GB 1.5G SATA 7.2K NHP 3.5" HDD. Please verify that you have enough available space in your chassis for the requested drives. The DL320G5 server has a total of 4 memory slots. Please verify that you have enough available slots.				
		Licensing After Upgrade to 8.5				
CISCO	MOBILE-K9	Cisco Jabber for Mobile Devices	1		$0.00	$0.00
CISCO	MOBILE-USR	Cisco Jabber User (Mobile Devices)	10		$90.00	$900.00
CISCO	CON-ESW-MOBILEUS	ESSENTIAL SW Cisco Jabber User (Mobile Devices)	10		$23.00	$230.00
CISCO	ADR-USR-LIC	Android User License	10		$0.00	$0.00
CISCO	CON-ESW-MOBILEK9	ESSENTIAL SW Cisco Jabber for Mobile Devices	1		$0.00	$0.00
CISCO	LIC-ADJ-USR-AUDVID	Adjunct license for 1 audio or video Endpoint or Softclient	10		$51.00	$510.00
			QTY		BOM Total	$26,335.40
INX	INX-SVCS-PDIO	INX Professional Services	1		Product Subtotal	$26,105.40
		Please see the INX Life Cycle Solution Delivery Framework document			Maint Subtotal	$230.00
		and or your SOW for complete details			Est. Sales Tax	$0.00
					Prof Svcs Total	$8,500.00
					Est. Shipping	***
					Grand Total	$34,835.40

All INX Professional Services and Product/Equipment purchased hereafter will be subject to the terms and conditions & RMA policy referenced below.
The INX Life Cycle services approach is a strategic Solution Delivery Framework of best practices that outline the critical pre and post sales activities required to deploy and operate a Cisco Advanced Technology Solution. INX delivers a "Phased" Methodology of the following Pre-Sales; which includes the Envisioning and Proposal phases, and Post Sales; which includes the Planning and Deployment phases and associated tasks of Assessment, Design, Implementation, Integration, Operations Day 1 Support, Training and Day 2 Support for a successful project completion.

Unless otherwise noted, Actual Tax & Shipping will be applied on final invoice(s)

Customer Signature of Acceptance Date PO#

Customer Printed Name

By signing this quote and/or issuance of a PO, I acknowledge that I have the authority on behalf of my company to make purchasing decisions to order the items in this quote and to begin project initiation. This quote is subject to and will be governed by the terms and conditions and RMA policy located at www.inxi.com or by clicking the associated links and will govern our relationship and any PO issued in relation to this quote. Any and all competing or conflicting terms and conditions are hereby unconditionally rejected.

Click here for additional Terms & Conditions
Click here for RMA Policy

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Cisco IOS Software Release 15.0 Feature Sets and Memory Recommendations for Cisco 2800 Series Integrated Services Routers

This product bulletin specifies the software feature sets available for Cisco® 2800 Series Integrated Services Routers with Cisco IOS® Software Release 15.0. It also issues recommendations for flash and DRAM memory configuration.

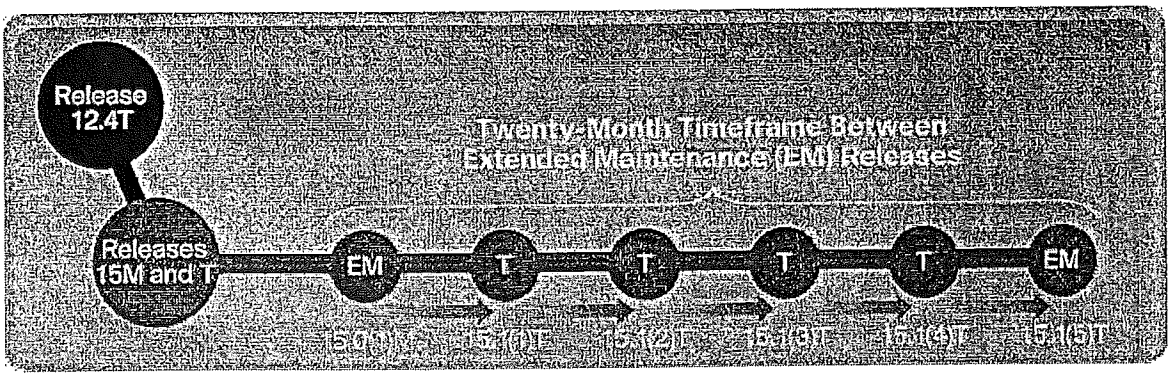
Note: This product bulletin covers the Cisco IOS Software Release model changes from Cisco IOS Software Releases 12.4 Mainline and 12.4T for the Cisco 2800 Series Integrated Services Routers. It does not cover individual new features. For information about new features in Cisco IOS Software Release 15.0, refer to the Cisco IOS Software pages at Cisco.com.

Overview

Cisco IOS® Software Release 15.0 follows Release 12.4(24)T. Created for wide deployment in the world's most demanding enterprise, access, and service provider networks, Cisco IOS Software Release 15.0 provides a comprehensive portfolio of Cisco technologies, functions, and hardware support from Releases 12.4 and 12.4T, anchored by an intensive stability and testing program. Important innovations span multiple technology areas, including security, voice, high availability, IP Routing and Multicast, quality of service (QoS), IP Mobility, Multiprotocol Label Switching (MPLS), VPNs, and Cisco IOS MPLS Embedded Management.

Cisco IOS Software Release 15.0 can help you by providing new feature and hardware support more quickly than in previous Mainline (M) and Technology (T) releases, broadened feature consistency with other major Cisco IOS Software releases, more predictable new feature release and rebuild schedules, proactive individual release support policies, enhanced release numbering, and clearer software deployment and migration guidelines. Figure 1 details Cisco IOS Software Release 15.0.

Figure 1. Release 15.0 Train Map



Unlike the traditional Cisco IOS Software M and T releases, Cisco IOS Software Release 15.0 does not diverge into separate M and T software release trains. Beginning with 15.0, new releases will be available 2 to 3 times per year, delivered sequentially from a single software train. Extended Maintenance (EM) releases will be available approximately every 20 months. Standard maintenance T releases enable faster Cisco feature delivery before the next EM release becomes available.

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Highlights of Release 15 M & T follow:

- Feature inheritance from Cisco IOS Software Releases 12.4T and 12.4 Mainline
- New feature releases delivered sequentially from a single T train
- Extended maintenance new feature M release every 20 months
- Standard maintenance T releases for the latest features and hardware support before the next M release becomes available on Cisco.com

Note that rebuilds of Release 15 M and T contain bug fixes only.

M Releases (Extended Maintenance)

- Ideal for long-term maintenance, enabling you to qualify, deploy, and remain on the release for an extended period
- Provides 44 months of support
- Incorporates features delivered in previous releases plus incremental new feature enhancements and hardware support

T Releases (Standard Maintenance)

- Short deployment releases ideal for latest new features and hardware support before the next M release becomes available

The remainder of this product bulletin provides details about Cisco IOS Software Release 15.0 availability for the Cisco 2800 Series routers and the associated flash and DRAM memory requirements.

Cisco IOS Software Release 15.0 Feature Sets and Memory Recommendations

Cisco 2801 Feature Sets and Memory Recommendations

Table 1 lists the Cisco IOS Software Release 15.0 feature sets that are available for the Cisco 2801 Integrated Services Router. Note that the flash memory recommendations given in the table are calculated without added management tools such as Cisco Configuration Professional.

Table 1. Cisco 2801 Integrated Services Router with Cisco IOS Software Release 15.0 Feature Set Memory Recommendations

Part Number	Product Description	Image Filename	Recommended Flash Memory for Release 15.0	Recommended DRAM for Release 15.0
S280AESK9 S280UASK9A S280UASK9A S280USPSK9	Advanced Enterprise Services	c2801-adventerprisek9-mz	128 MB	384 MB
S280AVSK9	Advanced Enterprise Services with Integrated Voice/Video Gatekeeper, IP-IP Gateway, and TDM-IP Gateway	c2801-adventerprisek9_ivs-mz	128 MB	384 MB
S280AISK9 S280RAISK9 S280UAISK9 S280UASK9B	Advanced IP Services	c2801-advipservicesk9-mz	128 MB	384 MB
S280ASK9 S280RAISK9	Advanced Security	c2801-advsecurityk9-mz	128 MB	384 MB
S280EB	Enterprise Base without cryptology	c2801-entbase-mz	64 MB	256 MB
S280EBK9	Enterprise Base	c2801-entbasek9-mz	64 MB	256 MB

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Part Number	Product Description	Image Filename	Recommended Flash Memory for Release 15.0	Recommended DRAM for Release 15.0
S280ES	Enterprise Services without cryptology	c2801-entservices-mz	64 MB	384 MB
S280ESK9 S280UESK9	Enterprise Services	c2801-entservicesk9-mz	64 MB	384 MB
S280IPB	IP Base without cryptology	c2801-ipbase-mz	64 MB	256 MB
S280IPBK9	IP Base	c2801-ipbasek9-mz	64 MB	256 MB
S280IPV	IP Voice without cryptology	c2801-ipvoice-mz	64 MB	256 MB
S280IVS	IP Voice with Integrated Voice/Video Gatekeeper, IP-IP Gateway, and TDM-IP Gateway	c2801-ipvoice_ivs-mz	64 MB	256 MB
S280IPVK9	IP Voice	c2801-ipvoicek9-mz	64 MB	256 MB
S280SPSK9 S280RSPSK9	SP Services	c2801-spservicesk9-mz	64 MB	384 MB

Cisco 2811, 2821, and 2851 Feature Sets and Memory Recommendations

Table 2 lists the Cisco IOS Software Release 15.0 feature sets that are available for the Cisco 2811, 2821, and 2851 Integrated Services Routers. Note that the flash memory recommendations given in the table are calculated without added management tools such as Cisco Configuration Professional

Table 2. Table 2 Cisco 2811, 2821, and 2851 Integrated Services Routers with Cisco IOS Software Release 15.0 Feature Set Memory Recommendations

Part Number	Product Description	Image Filename	Recommended Flash Memory for Release 15.0	Recommended DRAM for Release 15.0
S28NAESK9 S28NUAESK9 S28NUASK9A S28NUSPSK9	Advanced Enterprise Services	c2800nm-adventerprisek9-mz	128 MB	512 MB
S28NAVSK9	Advanced Enterprise Services with Integrated Voice/Video Gatekeeper, IP-IP Gateway, and TDM-IP Gateway	c2800nm-adventerprisek9_ivs-mz	128 MB	512 MB
S28NSNAK9	Advanced Enterprise Services with SNA Switching	c2800-adventerprisek9_sna-mz	128 MB	512 MB
S28NAISK9 S28NRAISK9 S28NUAISK9 S28NUASK9B	Advanced IP Services	c2800nm-advipservicesk9-mz	128 MB	512 MB
S28NASK9 S28NRAISK9	Advanced Security	c2800nm-advsecurityk9-mz	64 MB	256 MB
S28NEB	Enterprise Base without cryptology	c2800nm-entbase-mz	64 MB	256 MB
S28NEBK9	Enterprise Base	c2800-entbasek9-mz	64 MB	256 MB
S28NES	Enterprise Services without cryptology	c2800-entservices-mz	128 MB	512 MB
S28NESK9 S28NUESK9	Enterprise Services	c2800-entservicesk9-mz	128 MB	512 MB
S28NIPB	IP Base without cryptology	c2800-ipbase-mz	64 MB	256 MB
S28NES	Enterprise Services without cryptology	c2800nm-entservices-mz	128 MB	512 MB
S28NIPBK9	IP Base	c2800-ipbasek9-mz	64 MB	256 MB
S28NIPV	IP Voice without cryptology	c2800-ipvoice-mz	64 MB	512 MB

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Part Number	Product Description	Image Filename	Recommended Flash Memory for Release 15.0	Recommended DRAM for Release 15.0
S28NIVS	IP Voice with Integrated Voice/Video Gatekeeper, IP-IP Gateway, and TDM-IP Gateway	c2800nm-ipvoice_ivs-mz	64 MB	512 MB
S28NIPVK9	IP Voice	c2800nm-ipvoicek9-mz	64 MB	512 MB
S28NSPSK9 S28NRSPSK9	SP Services	c2800nm- spservicesk9-mz	128 MB	512 MB

Feature Area Map for Cisco IOS Software Release 15.0 Cross-Platform Feature Sets

For Cisco IOS Software Release 15.0, the cross-platform feature sets remain the same as those for Cisco IOS Software Releases 12.4 Mainline and 12.4T. These cross-platform feature sets simplify the image selection process by providing similar functions across platform boundaries.

Table 3. Feature Area Map

	Basic IP Connectivity for Data	Voice over IP and Voice over Frame Relay	ATM, Voice over ATM, and MPLS	AppleTalk, Internetwork Packet Exchange (IPX), and IBM Protocols	Firewall, Intrusion Protection and VPN	Secure Shell (SSH) Protocol, HTTPS, and Simple Network Management Protocol Version 3 (SNMPv3)
IP Base	X					X
IP Base without cryptology	X					
Enterprise Base	X			X		X
Enterprise Base without cryptology	X			X		
IP Voice	X	X				X
IP Voice without cryptology	X	X				
Advanced Security	X				X	X
SP Services	X	X	X			X
Advanced IP Services	X	X	X		X	X
Enterprise Services without cryptology	X	X	X	X		
Enterprise Services	X	X	X	X		X
Advanced Enterprise Services	X	X	X	X		X

For More Information

For more information about Cisco IOS Software Release 15.0 or for a list of new features or software release notes, please visit http://www.cisco.com/en/US/products/sw/iosswrel/products_ios_cisco_ios_software_category_home.html or contact your local Cisco account representative.

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Print

Capital Budget Request FY 2013

Back

Request Title	Department	Priority
Archived Document Scanning - 1st phase	Technology Services	3
Category	**Division**	**Priority**
Infrastructure	Technology Services	3

Type	Submitter
Improvement	Carly Melo
Status	**Submitter Title**
Submit	Acting Director

Request Description

The Building Inspections Department stores paper permits and building plans dating back to the mid 1950s. This project would be the first of a several year project to digitize these documents to aid in retrieval.

Request Justification

The first phase of this scanning and document storage project will focus on the filing cabinets and storage located in the Building Inspections Department, which date back 10 years. The vendor will set up the document templates, scan all paper documents including large scale plans using pre-determined specifications, and create an archive of these documents utilizing our Laserfiche document management system. By having these files stored electronically, it will allow the department to perform faster searches for archived documents. Additionally, these electronic documents can be cross-referenced through our town-wide permitting system Acela Automation. It will also provide a means to preserve these public records from environmental degradation. The proposal is for scanning the 10 years of existing files; we added 10% (1 year) to be able to include documents/plans that will be created in the upcoming year.

Basis for Estimated Cost	
Vendor Quote	
Estimated Costs	
$27,635	Year 1
$0	Year 2
$0	Year 3
$0	Year 4
$0	Year 5
$0	Year 6
$0	Year 7
$0	Year 8
$0	Year 9
$0	Year 10
$27,635	

Proposed Funding Sources	Amount
General Fund	$27,635
	$0
	$0
	$0
	$27,635

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs
There will be no increase in operating costs.

Printed 10/27/2011

FY 2013 Technology Services Capital Budget
Archived Document Scanning - 1st phase
Priority 3

GENERAL CODE PROPOSAL *for*

Electronic Document Scanning Services

Town of Framingham
Middlesex County, Massachusetts
October 26th, 2011

Valid for 120 days

PRESENTED BY

GENERAL CODE

Information made civil.

Solutions Account Executive
Herb Myers
E-mail: hmyers@generalcode.com
(978) 729-8387

CONTENTS

EXECUTIVE SUMMARY 3
PROJECT DELIVERABLES 4
INVESTMENT AND DETAIL OPTIONS 5
AUTHORIZATION & AGREEMENT 6

EXECUTIVE SUMMARY

For over 45 years, General Code has served approximately 2,700 clients throughout primarily New York and the Northeast. All of our products and services are developed around a central theme: making information more accessible and making processes more efficient for our clients. General Code offers a full range of document scanning services – converting paper and film files to digital format. Our conversion services provide high-quality, cost-effective scanning of a wide range of documents. Our scanning experts work with your staff to determine the best strategy to coordinate the scanning process, including assisting with the safe shipment and delivery of your records to our secure facility. The documents are systematically labeled and a comprehensive list is created and reviewed with you to confirm accuracy of receipt. Access to your records during the scanning process can be provided at any time upon notification.

General Code provides knowledge and expertise to empower customers to improve significantly the efficiency, productivity and quality of their work. Our individually crafted solutions organize our customers' documents, making information more accessible to our customers and the people they serve. We build strong relationships, use the right technology, and delight our customers with personal care and superior support.

DOCUMENT CONVERSION PROJECT:

General Code offers a full range of document scanning services – converting paper files to digital format as well as conversion from one digital format (film) to an electronic file. Our conversion services provide high-quality, cost-effective scanning of a wide range of documents. Files are organized in a searchable database, allowing retrieval of information instantly.

RECEIPT, PREPARATION AND PROCESSING OF YOUR DOCUMENTS:

Our scanning experts work with your staff to determine the best strategy to coordinate the scanning process, including assisting with the safe shipment and delivery of your records to our secure facility. The documents are systematically labeled and a comprehensive list is created and reviewed with you to confirm accuracy of receipt. Access to your records during the scanning process can be provided at any time upon notification.

QUALITY CONTROL:

Our staff carefully reviews each image to ensure image quality and accuracy of data entry. Each document image will be carefully reviewed to ensure that proper indexed data corresponds with the correct image. These quality control procedures are vital to ensure that you can accurately access the intended information.

GENERAL CODE RECOMMENDATION:

The Town of Framingham's challenges will be met and goals achieved through the implementation of General Code's Backfile Services Solution. Combined with the necessary program customization services, installation and training, this powerful project will provide the City with a cost-effective means to provide fast, easy access to information.

PROJECT DELIVERABLES

Following are itemized prices for the services and deliverables as listed above. These prices are based on the assumption that the project will consist of approximately 151,622 images. The actual final price will be based on the actual number of images scanned.

- Document intake verification (including preparation of an Inventory Log). This serves as verification of receipt.
- Contact by Project Manager to review procedures and to confirm document-naming conventions and file structure.
- Naming of each electronic document (for those where there is an obvious break/name).
- Indexing:
- Access to documents while in our possession (assuming one request per day and one business day turn around)
- Structuring/formatting documents into Laserfiche viewer format. (Laserfiche viewers include powerful Laserfiche search software, including the ability to do searches across all documents that are OCR'ed and included on that viewer DVD.)

Project Management:

- Project management: The price for project management assumes all of the documents contained in this proposal will be completed at the same time and is based on completion of entire project.
- Quality control checks. Standard quality control checks include ensuring that all images scan readably and that no pages are missed.
- Preparation of a Return Inventory Form
- Return your documents in the method of which they were delivered.
- One copy of each complete set of images; Creation of Laserfiche viewer DVD(s), which can be used in any PC with a DVD drive (using Windows 2000 or XP) or as a archival disk.
- Images provided to client on DVDs in a LF Briefcase format

INVESTMENT AND DETAIL OPTIONS

Prices noted for listed components of the project, as well as other services are valid for 4 months from the date of this proposal.

In order to assist you in estimating what your overall charges for this service would be, we have compiled an ***estimate*** of pricing (based on the information you supplied us). ***Your actual charges will be based on the actual number of images processed.*** We have used the assumptions enumerated earlier in this proposal. Any additional images over the estimated count will be added to your database for the listed unit price below per image.

Note: The prices are based on the quantities listed in this proposal. If the images are more than 10% of the assumed quantities, the per-image price is subject to change based on the number of images actually submitted.

PERMITS (BUILDING, SIGNS, PLUMBING, ELECTRIC)		
Estimated Quantities	**Unit Price**	**Extended Price**
149,100 page/images:	$ 0.141	$21,023.10
PERMITS (BUILDING, SIGNS, PLUMBING, ELECTRIC)		
Estimated Quantities	**Unit Price**	**Extended Price**
2,562 page/images:	$ 1.60	$4,099.20
OTHER CHARGES		
Project Management: Includes: job set up, creation of file structures and database, one Laserfiche viewer DVD of images and data and all shipping charges		$Included
Total Estimated Project Investment		**$ 25,122.30**

+10% (1 year) 2,512.23
27,634.53

Assumptions:

1. Images to be scanned per the attached Standards and Conventions unless otherwise specified.
2. Any changes to the above scope of work may result in changes in pricing.
3. Files require medium prep with fastener removal, refastening is not required.
4. Permit files are to be indexed on two fields to be determined at a later date.
5. Output will be provided in a Laserfiche Briefcase for easy attachment to the existing Laserfiche system.
6. Shipping, Project Management, and DVDs are included in per image pricing.

AUTHORIZATION & AGREEMENT

Town of Framingham, Massachusetts hereby agrees to the procedures outlined above, to General Code's Terms and Conditions which are available at www.generalcode.com/TCdocs, and authorizes General Code to proceed with the project.

Base Backfile Services Price $25,122.30

Estimated Total Investment: $25,122.30

Payment Schedule:
General Code will bill the **Town** on a monthly basis based on the number of images processed and delivered.

Performance Schedule:
The project will be completed within 120 days of General Code's receipt from the City of all materials necessary to complete the project.

TOWN OF FRAMINGHAM, MASSACHUSETTS

By: _____ In the Presence of: _____

Title: _____ Title: _____

Date: _____ Date: _____

GENERAL CODE, LLC

By: _____ In the Presence of: _____

Title: _____ Title: _____

Date: _____ Date: _____

Please sign, fax and mail this page to General Code at (585) 328-8189.
A signed copy of this agreement will be mailed back to the municipality for its records.

Print

Capital Budget Requests

Back

Division Priorities

Pri	Title	Total Cost	Description	Justification	Oper Cost	Fiscal
1	Pearl Street Garage Repairs	$233,911	The Pearl Street Garage was constructed in 1978. Since that time, maintenance has been limited. The Two (2) stair towers at the East and West sides of the building are constructed using metal pans with concrete infill. The metal structure of the stairs was not originally galvanized. The result is that the stairs have rusted significantly, and are a safety hazard. The glass windows have been broken, and boarded up. The broken glass needs to be removed, and the windows repaired using "assault glass". I prepared drawings of the project, and solicited quotes for the repair work at the stairs and expansion joints, where water has leaked. In addition, we have priced the work to install security cameras on the garage. The Cameras will be tied into the Town Security System	The repairs to the Pearl Street Garage are needed to: 1. Protect the Town's previous investment in the Pearl Street Garage. 2. Improve safety by repairing dangerous stair conditions. 3. Remove/Repair dangerous broken glass. 4. Add security cameras to improve future safety.	$0	2013
2	Memorial Building Fire Supression Design	$50,000	The Memorial Building will require a fire suppression system, including an upgraded fire alarm panel, to meet current codes, as defined by the Framingham Fire Department. $50,000 for design.	Code Compliance and Life Safety.	$0	2013
3	Install New Accessible Ceilings at the Main Framingham Public Library	$135,800	Remove existing ceiling and install new suspended acoustical ceilings in the Main Framingham Public Library, located at 49 Lexington Street. The existing "spline" type ceilings are not easily removed or replaced. The Library mechanical equipment requires repairs more frequently, as time goes on. If the ceiling were easily accessible, repairs could be done, with minimal disruption to the Library building or its occupants.	The current ceiling requires that a large purchase of materials and time is required to replace the tiles. With the new ceilings, mechanical repairs can be assessed, made and the ceilings can be replaced with as little disruption as possible to the Library operation. Money spent will result in pro-active maintenance. After the ceings have been made accessible and visible, it is anticipated that there will be work necessary above the ceilings.	$0	2013
4	Danforth Museum Boiler Repairs	$900,000	The Danforth boilers are believed to be the original boilers, from 1931. The boilers are designed with a "lag" and a "lead" boiler. One of these boilers is not working, and has not been working for three (3) years. The first step if a renovation of the boiler Room were planned is to hire a Mechanical Engineer to design a new boiler system. I have consulted a Mechanical Engineer, who has proposed that the boilers and associated piping could be designed for $50,000.00	To keep the building operational for the tenants who occupy it, boiler replacement is required. The building occupants include: 1. Danforth museum. 2. Boys and Girls Club. 3. Parks Department Gymnasium. 3. Performing Arts Center. 4. Building Services shop and Storage Area. 5. Town of Framingham Records Storage	$0	2013
5	Consolidate/ Repair Storage Rooms in the Memorial Building	$50,000	Most Storage Rooms in the Memorial Building are not currently used efficiently. The rooms need to be cleaned and organized, using the Commonwealth of Massachusetts Municipal Records Retention Manual as a guide. In some cases, material can be eliminated or consolidated. In others, materials require adequate shelving be installed, to maximize space. It has been discussed with the Building Services Foreman and agreed that the Building Services Team can do the work to renovate these Storage Spaces.	Retention, Storage, Maintenance and Retrieval are all key parts on municipal storage. The Memorial Building Storage Rooms appear crowded. But if they were cleaned, repaired in some cases, and fitted with adequate storage shelving, they would allow storage expansion for the future. The efficient use of space that we currently have will save the taxpayers' money, and is a good use of funds.	$0	2013
6	Exterior Building Stabilization	$201,000	This includes stabilizing the building by repairing water damage, where it exists, to stop further building decay, on the exterior masonry of the building. Exterior repairs should be managed and sequenced, to avoid added cost.Add safety lighting at exterior of the Memorial Building to increase safety and add a lighted canopy and compliant stair treads and railing to increase safety and convenience.	Exterior Stabilization will stop water from getting into the building, going through the freeze / thaw cycle, and causing permanent decay of the building. By spending some money on building now, and not more cost later, we are being good stewards, and saving the taxpayers money. Exterior lighting will improve safety and a canopy with compliant stair treads will improve both safety,	$0	2013

				and decrease liability to the Town of Framingham		
7	Village Hall-New Boilers	$83,030	Install a high effiency gas fired condensing boiler in the basement of the village Hall. Estimated Cost $72,200 15% contingency $10,830 Total $83,030	One of the two existing boilers in the Village Hall, is not currently operational. The parts are not avaiable to make the repair top the existing boiler. Installation of an efficient boiler will result in energy savings, and an unknown rebate to the Town. Per the lease agreement, signed with the "History Center", the town is responsible for making this repair.	$0	2013

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Request Title	Department	Priority
Pearl Street Garage Repairs	Town Owned Buildings	1
Category	Division	Priority
Building	Town Owned Buildings	1

Type	Submitter
Improvement	Douglas Goddard
Status	Submitter Title
Submit	Capital Building Projects Manager

Request Description
The Pearl Street Garage was constructed in 1978. Since that time, maintenance has been limited. The Two (2) stair towers at the East and West sides of the building are constructed using metal pans with concrete infill. The metal structure of the stairs was not originally galvanized. The result is that the stairs have rusted significantly, and are a safety hazard. The glass windows have been broken, and boarded up. The broken glass needs to be removed, and the windows repaired using "assault glass". I prepared drawings of the project, and solicited quotes for the repair work at the stairs and expansion joints, where water has leaked. In addition, we have priced the work to install security cameras on the garage. The Cameras will be tied into the Town Security System

Request Justification
The repairs to the Pearl Street Garage are needed to: 1. Protect the Town's previous investment in the Pearl Street Garage. 2. Improve safety by repairing dangerous stair conditions. 3. Remove/Repair dangerous broken glass. 4. Add security cameras to improve future safety.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$233,911 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$233,911

Proposed Funding Sources	Amount
Other	$233,911
	$0
	$0
	$0
	$233,911

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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Request Title	Department	Priority
Memorial Building Fire Supression Design	Town Owned Buildings	2
Category	Division	Priority
Building	Town Owned Buildings	2

Type	Submitter
Improvement	Douglas Goddard
Status	Submitter Title
Submit	Capital Building Projects Manager

Request Description
The Memorial Building will require a fire suppression system, including an upgraded fire alarm panel, to meet current codes, as defined by the Framingham Fire Department. $50,000 for design.

Request Justification
Code Compliance and Life Safety.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$50,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$50,000

Proposed Funding Sources	Amount
Other	$50,000
	$0
	$0
	$0
	$50,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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Request Title	Department	Priority
Install New Accessible Ceilings at the Main Framingham Public Librar	Town Owned Buildings	3
Category	Division	Priority
Building	Town Owned Buildings	3

Type	Submitter
Improvement	Douglas Goddard
Status	Submitter Title
Submit	Capital Buiilding Project Manager

Request Description
Remove existing ceiling and install new suspended acoustical ceilings in the Main Framingham Public Library, located at 49 Lexington Street. The existing "spline" type ceilings are not easily removed or replaced. The Library mechanical equipment requires repairs more frequently, as time goes on. If the ceiling were easily accessible, repairs could be done, with minimal disruption to the Library building or its occupants.

Request Justification
The current ceiling requires that a large purchase of materials and time is required to replace the tiles. With the new ceilings, mechanical repairs can be assessed, made and the ceilings can be replaced with as little disruption as possible to the Library operation. Money spent will result in pro-active maintenance. After the ceings have been made accessible and visible, it is anticipated that there will be work necessary above the ceilings.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$135,800 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$135,800

Proposed Funding Sources	Amount
Other	$135,800
	$0
	$0
	$0
	$135,800

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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Request Title	Department	Priority
Danforth Museum Boiler Repairs	Town Owned Buildings	4
Category	Division	Priority
Building	Town Owned Buildings	4

Type	Submitter
Improvement	Douglas Goddard
Status	Submitter Title
Submit	Capirtal Building Projects Manager

Request Description
The Danforth boilers are believed to be the original boilers, from 1931. The boilers are designed with a "lag" and a "lead" boiler. One of these boilers is not working, and has not been working for three (3) years. The first step if a renovation of the boiler Room were planned is to hire a Mechanical Engineer to design a new boiler system. I have consulted a Mechanical Engineer, who has proposed that the boilers and associated piping could be designed for $50,000.00

Request Justification
To keep the building operational for the tenants who occupy it, boiler replacement is required. The building occupants include: 1. Danforth museum. 2. Boys and Girls Club. 3. Parks Department Gymnasium. 3. Performing Arts Center. 4. Building Services shop and Storage Area. 5. Town of Framingham Records Storage

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$900,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$900,000

Proposed Funding Sources	Amount
Other	$900,000
	$0
	$0
	$0
	$900,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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Request Title	Department	Priority
Consolidate/ Repair Storage Rooms in the Memorial Building	Town Owned Buildings	5
Category	Division	Priority
Building	Town Owned Buildings	5

Type	Submitter
Improvement	Douglas Goddard
Status	Submitter Title
Submit	Capital Building Projects Manager

Request Description
Most Storage Rooms in the Memorial Building are not currently used efficiently. The rooms need to be cleaned and organized, using the Commonwealth of Massachusetts Municipal Records Retention Manual as a guide. In some cases, material can be eliminated or consolidated. In others, materials require adequate shelving be installed, to maximize space. It has been discussed with the Building Services Foreman and agreed that the Building Services Team can do the work to renovate these Storage Spaces.

Request Justification
Retention, Storage, Maintenance and Retrieval are all key parts on municipal storage. The Memorial Building Storage Rooms appear crowded. But if they were cleaned, repaired in some cases, and fitted with adequate storage shelving, they would allow storage expansion for the future. The efficient use of space that we currently have will save the taxpayers' money, and is a good use of funds.

Basis for Estimated Cost
Architect/Engineer
Estimated Costs
$50,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$50,000

Proposed Funding Sources	Amount
Other	$50,000
	$0
	$0
	$0
	$50,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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Request Title	Department	Priority
Exterior Building Stabilization	Town Owned Buildings	6
Category	Division	Priority
Building	Town Owned Buildings	6

Type	Submitter
Improvement	Douglas Goddard
Status	Submitter Title
Submit	Capital Building Projects Manager

Request Description
This includes stabilizing the building by repairing water damage, where it exists, to stop further building decay, on the exterior masonry of the building. Exterior repairs should be managed and sequenced, to avoid added cost.Add safety lighting at exterior of the Memorial Building to increase safety and add a lighted canopy and compliant stair treads and railing to increase safety and convenience.

Request Justification
Exterior Stabilization will stop water from getting into the building, going through the freeze / thaw cycle, and causing permanent decay of the building. By spending some money on building now, and not more cost later, we are being good stewards, and saving the taxpayers money. Exterior lighting will improve safety and a canopy with compliant stair treads will improve both safety, and decrease liability to the Town of Framingham

Basis for Estimated Cost
Appraisal
Estimated Costs
$201,000 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$201,000

Proposed Funding Sources	Amount
Other	$201,000
	$0
	$0
	$0
	$201,000

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

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Request Title	Department	Priority
Village Hall- New Boilers	Town Owned Buildings	7
Category	Division	Priority
Building	Town Owned Buildings	7

Type	Submitter
Improvement	Douglas Goddard
Status	Submitter Title
Submit	Capital Building Projects Manager

Request Description
Install a high effiency gas fired condensing boiler in the basement of the village Hall. Estimated Cost $72,200 15% contingency $10,830 Total $83,030

Request Justification
One of the two existing boilers in the Village Hall, is not currently operational. The parts are not avaiable to make the repair top the existing boiler. Installation of an efficient boiler will result in energy savings, and an unknown rebate to the Town. Per the lease agreement, signed with the "History Center", the town is responsible for making this repair.

Basis for Estimated Cost
Vendor Quote
Estimated Costs
$83,030 Year 1
$0 Year 2
$0 Year 3
$0 Year 4
$0 Year 5
$0 Year 6
$0 Year 7
$0 Year 8
$0 Year 9
$0 Year 10
$83,030

Proposed Funding Sources	Amount
General Fund	$83,030
	$0
	$0
	$0
	$83,030

Estimated Operating Budget Annual Cost
$0
Explanation for Operating Budget Costs

Printed 1/20/2012

Proposal

Rullie Plumbing & Radiant Heating, Inc.
P.O. Box 1591
Westboro, Ma. 01581
(508) 366-6144
(508) 870-3257 Fax
www.RullieRadiant.com

Proposal Submitted to:
Framingham History Center
P.O. Box 2032
Framingham, Ma. 01703

Date: **1/4/12**
Job Name: **Same**
Location: **Old Town Hall**

We Propose hereby to furnish material and labor - complete in accordance with specifications below, for the sum of:
Seventy two thousand two hundred********$72,200.00**
Payments to be made as follows: Deposit of $7,000.00 the remainder to be progress payments.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from specifications below involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Authorized Signature:

Note: This proposal may be withdrawn by us if not accepted within **30** days.

Disconnect and remove 4 existing warm air furnaces and exterior condensers.
Cap off oil lines to 4 warm air furnaces.
Install 2 Lochinvar wall hung gas fired condensing boilers with outdoor reset controls and boiler rotation at rear corner of building where existing gas line is located.
Install 4 First Company air handlers and re-connect supply and return ductwork.
Add multimedia filters.
Run supply and return piping from new hot water boilers to 4 air handlers and connect to heating coils.
Make provisions for future indirect fired water heater.
Install 4 condensing units on exterior of building .
Run new refrigerant piping from condensers to cooling coils in air handlers.
Connect gas piping from new meter to new gas boilers.
Flue piping and combustion air from boilers to exit building in right rear corner.
2 Lochinvar WHN285 wall hung gas fired boilers
4 Aprilair media filters
2 First Company 5 ton variable speed R410A air handlers
2 First Company 4 ton variable speed R410A air handlers
2 Rheem RSG1460 14 Seer 5 ton condensing units
2 Rheem RSG1448 14 Seer 4 ton condensing units

2 Honeywell Vision pro 8000 thermostats
3 condensate pumps
Condensate piping
Refrigerant piping
All gas piping to be sch. 40 black steel pipe.
Exhaust piping and combustion air to be sch. 40 PVC.
All supply and return piping from boilers to air handlers to be type L copper tubing.
Ductwork and ductwork insulation on new ductwork only.
All pipe, valves, fittings for complete system.
This price includes power and control wiring.

*This price assumes Town of Framingham will waive permit fees.

Acceptance of Proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance:

Signature:

Memorial Building Use- Long-Term Plan

TOWN OF FRAMINGHAM

September, 2011

Planning

Short-term and long-term plans for buildings should be considered, to manage cost over the long term.

To conserve taxpayer's money, we should use the resources that we already have, and make the repairs required, to our older buildings, rather than demolishing our existing buildings, and building new. Additionally, preserving our older buildings better preserves our history and character. The Memorial Building, located at 150 Concord Street, is no exception.

The long range plan for the Memorial Building should preserve the building as the seat of government in Framingham, as it now is.

Exterior Stabilization

This includes stabilizing the building by repairing water damage, where it exists, to stop further building decay, on the exterior masonry of the building. Exterior repairs should be managed and sequenced, to avoid added and continued expense.

Mechanical Maintenance Program

In Order to properly maintain the Memorial Building, mechanical items need to be regularly serviced. A program of maintenance needs to be introduced. The recent hiring of a new Building Services Foreman will make this possible. This approach will require annual funding by the Town, but will save money.

Storage Consolidation Plan

On the interior of the building, the space should be repaired and used efficiently. Storage spaces that are inefficiently used should be consolidated. Storage should be organized and items that can be eliminated, wherever possible. The Municipal Records Retention Manual, published by the Secretary of the Commonwealth, and available at www.sec.state.ma.us/arc/arcrmu/rmuidx.htm, should be our guide to document retention, and elimination to minimize clutter. The rooms to be included in the storage up-grade should include:

1. Hat Room- Above 2nd Floor at Nevins Hall East Stair.
2. Accounting Vault- 2nd Floor.
3. Sound control Room- Nevins Hall Stage.
4. Mechanical Plenum- Attic near Nevins Hall Projection Room.
5. Back of Nevins Hall- Add storage cabinets to allow some concealed storage in Nevins Hall.
6. Storage Room below East Monumental Stair- Basement.
7. Cultural Council Space- located below west monumental Stair- Basement.
8. Voting Room Storage- below Selectmen's wing in Basement.

The storage spaces in the Memorial Building will require cleaning, painting, sorting, re-organized and outfitted with the appropriate shelving and storage systems, in most cases, to promote long-term storage and future capacity.

Department Space Utilization

Dovetailing into storage needs, are the needs of each department. These needs could be better served, with only the space that each department needs, based on office space requirements:

1. The Town Clerk has a secured Voting Room that is twice the size that it needs to be. An existing door between spaces could be locked for security. The additional space could be allotted to the Planning Board, across the hall

on the Basement Level. This would free up space in the "Fore Vault", on the Basement Level, where the Planning Board has their files currently stored.

2. The current layout of the desks and storage in the Assessor's Office can be configured for a better "flow" of space. This will not require many resources.
3. Time is required, to review the existing documents and items in the Fore Vault. Duplicate documents could be eliminated, freeing up space.
4. Technology Services can be slightly consolidated, so that the Kitchen space is as it was originally planned.

Building Renovations

Some spaces on the Memorial Building appear to have not been renovated since World War 2. These spaces are in dire need of renovation. Other spaces are in need of carpet and paint to bring them up to Class 2 Office Space. Some spaces that require upgrades are:

1. Board of Health-Second Floor- Renovate finishes permitting washing of floor, Renovate toilet Room to add accessibility. Add accessible reception counter.
2. Accounting- Second Floor- Replace carpet, renovate vault.
3. Inspectional Services- Second Floor- Replace carpet, paint walls.
4. Second Floor Corridor- Patch and paint walls, replace ceiling tiles, add LED lighting.
5. Assessor's Office- First Floor- Replace Damaged Carpet. (re-organize space)
6. Clerk's Office- First Floor-Paint walls
7. Treasurer's Office- First Floor- Paint walls, Carpet Replacement
8. First Floor Corridors- Paint finish, abate asbestos tile floors, install new Vinyl Composition Tile.
9. C.F.O. Office- Partial Carpet Replacement
10. Selectmen's Office- Reorganize Space to include original skylight in Selectmen's Lobby.

11. Planning Board- Basement- Paint walls, add countertop at file cabinets.
12. Retirement- Basement- Paint walls, add insulation on heating pipes.
13. Basement Corridors- Paint walls, replace damaged carpet.
14. Human Resources- Touch up paint, replace damaged carpet.
15. Men's Room- Restore damaged tile at floor patch, refinish floor hatch, repair damaged tile. Add larger exhaust fans to increase air flow.
16. Women's Room- Repaint walls.

Rental: Potential Income

Nevins Hall is capable of seating 2000 people. It is the largest auditorium space between Boston and Worcester; it is located approximately equidistant between the two Cities. The rental potential is based on many items, among these is:

1. Adequate Adjacent Parking.
2. Quality of the auditorium space, including fixing broken or missing items, finishes and cleanliness.
3. Convenient Facilities on site, including food preparation.
4. Auditorium Infrastructure, including internet capability, projection and quality sound system.
5. Ability to serve food and drink in the Auditorium.
6. Comfort of the auditorium.

Nevins Hall has the potential to raise revenue for the town, if we work to increase the number of items above. Currently, many groups that use the auditorium are not charged the appropriate rate, for a space of this quality and size. By increasing the use, through advertising, and charging more to use the space, revenue will rise. The revenue is needed to offset the cost of janitorial and supervisory staff needed to maintain the space, as well as pay for the cost of running the town.

	Room #	Full Day Occupy	Transient/ PT	Public/ Customers per week	SF per person				Total Need	Total Occupied	Diff
					Employee	Support	Meetings	Entry			
Comm Econ Dev/ZBA	B-2	6	0	50	220/100			50	718	1019	301
CDBG	B-3	2.5	0	10	220/100			50	374	653	279
Human Resources	B-7	4	1	75	220/100	150	150	150	1070	1226	156
Veterans	B-7	1	0	45	220			50	220	227	7
IT Tech Room		0	6		100			50	150	210	60
Tech Services	B-25	4	0	50	100			50	451	626	169
Tech Services (2)		3	0		100				300	253	-47
Tech Services Training		0	14	50				50	700	656	-44
Retirement Board	B-31	3	0	80	220/100			50	470	669	199
Planning Board	B-37	3	0	30	220/100			50	470	648	178
Media Services		1	1	5					978	978	0
Board of Assessors	101	4	3	50	220/100			150	670	1016	346
Town Clerk	105	5		1200	220/100			200	820	911	91
Election	B-		20		100			50	1315	1315	0
Treasurer Collector	109/111	8	1	1700	220/100	300		150	1370	1751	381
Town Mgr/Selectmen	121	4	2	150	220/100	200		150	870	927	57
CFO	127	2		12	220/100	100		100	320	423	3
Purchasing/ATM	123	4	1	100	220/100	150		100	770	856	86
Town Counsel	131	0	1	0	100			0	100	182	82
Building Services	135	2	4	75	100/75			50	500	671	171
Building Department	203	10	3	300	220/100	300		120	1540	1994	454
Town Accountant	205	7	1	25	220/100			50	870	1300	430
DPW/Conservation	213	9		51	220/100	150		100	1270	2035	765
Board of Health	221	7	2	115	220/100	150	150	100	1220	1928	708
Totals		89.5	60	4173					0		

Memorial Building Interior Renovation Plan- Phase 1

Interior Renovation Plan- Phase 1:

The most efficient way to renovate the interior of the Memorial Building is to start by cleaning and painting corridors and by cleaning, repair, and consolidation of storage space in the building.

The Phase 1 interior work should include the following work and spaces:

1. Fore-Vault: Under Memorial Hall
2. Human Resources Storage- Under Monumental Stairs.
3. Payroll Storage- Under Monumental Stairs.
4. Selectmen's Storage Room.
5. Treasurer's Storage Room.
6. Accountant's Storage Room.
7. Town Council File room at top of East Stair –Nevins Hall

Justification:

Interior storage organization will increase efficiency for both for workers in, and patrons of the Memorial Building.

Cost:

Storage consolidation contingency- 50,000

Total- $50,000

Repair or Removal of Existing 110 Space library parking Garage

Project:

The Existing Library Parking Garage has design problems related to head height, and ongoing issues with water infiltration due to lack of maintenance and original building detailing. During the past month, we have undertaken the phase 2 of the Library Garage Restoration. We performed only the work that was required to keep the Library Garage safe. The cost estimate for the entire garage projects is $500,000.00. Even after the project is complete, the Library Garage will require more funding to maintain a structure whose design is marginal.

The scope of the repair work that was done to the garage was abbreviated to add safety, but no try to reduce cost. The cost was originally estimated at $85,000.00. Working with the contractor, we reduced to cost to $65,000.00. We are working on, and expect that phase of the renovation to be completed by November 15th.

The Library Building Committee and I are currently working with ABACUS Architects, to design new accessible entrances to the Main Library. ABACUS will design accessible entrances solutions, and give us a schematic design of a 65 space surface parking lot, with landscaping, in place of the existing garage. We believe that a 65 space surface lot would fit into the garage footprint. The idea is, that since the Library Parking Garage will never be what we want it to be, we should do what is required to keep the building standing and safe, but keep costs down. The long term plan would be to remove the existing garage, if Town Meeting approves this approach.

I have included the Garage stabilization plan, as well as the cost estimate for garage demolition, left free of debris.

Framingham Public Library Parking Garage

Stabilization Plan- 4/01/2011 Item	Estimated Cost	Expected Date of Repair	Annual Total
1. Repair Expansion Joints at Garage	$40,000.00	Aug., 2011	
2. Repair (2) stairs, Add Non Skid Treads	$45,000.00	Aug.,2011	
3. Repair Concrete Haunches- 2nd Floor	$20,000.00	Aug.,2011	$105,000
4. Seal Deck and Joints at top of Garage Building	$50,000.00	Aug.,2012	
5.Repair Deck Drains- Upper Level	$35,000.00	Aug.,2012	
6. Repair Damaged Concrete Ramps in Garage- Apply Sealant	$45,000.00	Aug.,2012	
7. Caulk Joints and seal lower deck	$50,000.00	Aug., 2012	
8. Repair Drains at Lower Level	$45,000.00	Aug., 2012	
9. Repair Concrete Columns	$60,000.00	Aug., 2012	$313,500
10. Scarify and Regade Paving at lower level to add head height	$25,000.00	Aug., 2013	
11. Install Lighting upgrades	$20,000.00	Aug., 2013	
12. Paint new Line Striping	$30,000.00	Aug.,2013	$82,500
Estimated Total	$465,000.00		
Contingency- 10%	$36,000.00		
Grand Total of Repair Cost	**$501,000.00**		**$501,000**

1. Note: Snow removal is required in winter from upper deck for structural reasons.the cost of snow removal should be estimated and built into the cost of maintaining the Library Garage. 12-15,000 Annual Cost

2. Note: The repair work is expected to extend the life of the garage 10-12 years. A review of the structure, and additional work may need to be done at that time.

3. Note: Cost Estimates are Based on Quotes and Conversation with Local Contractors.

4. Note: Snow Removal From Structure is Required During Winter Months.

September 21st, 2011

10 Colonial Road, Unit 4
Salem, Ma 01970

Attn: Doug Goddard
Re: Library garage demolition

Doug,
Please find the budget pricing for the removal of the Library garage.
This price will include

- All Permits
- Dig safe procedures
- Plumbing Drainage capping
- Electrical removal and disconnecting scheduling
- Any details required during demolition
- Fencing the area during construction
- Cranes services are included
- All necessary equipment for demolition
- All trucking included
- All labor and material for dismantling the entire garage
- Parking lot clean-up broom finish
- No asphalt repairs at this time
- All bond costs included

Total project price $316,680.00

Sincerely;

Daniel Tremblay
Roger Tremblay Contracting

Pearl Street Garage Repairs

Project:

The Pearl Street Garage was constructed in 1978. Since that time, maintenance has been limited. The Two (2) stair towers at the East and West sides of the building are constructed using metal pans with concrete infill. The metal structure of the stairs was not originally galvanized. The result is that the stairs have rusted significantly, and are a safety hazard. The glass windows have been broken, and boarded up. The broken glass needs to be removed, and the windows repaired using "assault glass".

I prepared drawings of the project, and solicited quotes for the repair work at the stairs and expansion joints, where water has leaked. In addition, we have priced the work to install security cameras on the garage. The Cameras will be tied into the Town Security System.

Justification:

The repairs to the Pearl Street Garage are needed to:

1. Protect the Town's previous investment in the Pearl Street Garage.
2. Improve safety by repairing dangerous stair conditions.
3. Remove/Repair dangerous broken glass.
4. Add security cameras to improve future safety.

Cost:

1.	General Contractor repair Stairways and Glazing-	$96,680.00
2.	Install Security System and tie to Town Security System-	$26,231.00
3.	Tee Beam Repair above space #12-	$8,000.00
4.	Repair Sealant Joints- Total Building	$93,000.00
5.	Construction Contingency-	$10,000.00
Total Estimated project Cost		**$233,911.00**

Roger A. Tremblay Contractors, Inc.

November 17, 2011

Town of Framingham
Attn: Doug Goddard
150 Concord Street
Framingham, MA 01702

RE: Pearl Street Garage

Dear Doug,

Please accept the following proposal for replacing all sealant at the Pearl Street Garage. If you have any questions, please feel free to give me a call.

Price Includes:

- Cut and remove all sealant on all levels, including perimeter joints, and all horizontal and vertical control joints
- Install backer rod and urethane sealants
- All labor, materials, machines, bonds etc.

Total: $93,000.00

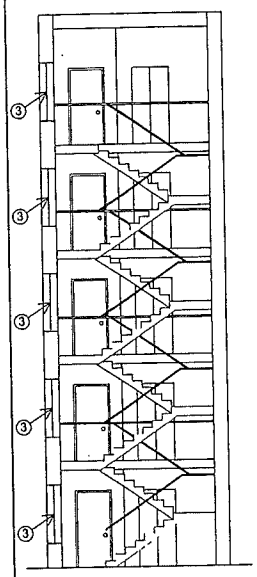
Respectfully submitted,

Roger A. Tremblay Jr.
Roger A. Tremblay Contractors, Inc.

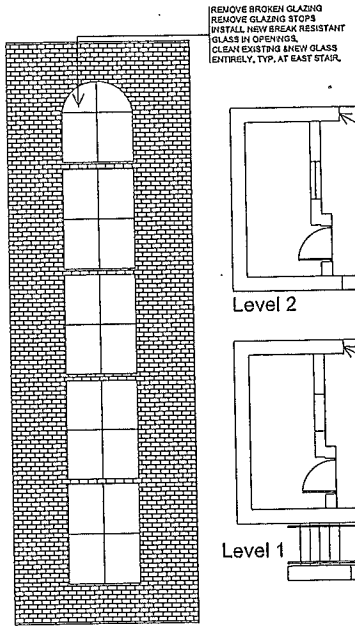
10 Colonial Road, Unit 4, Salem, 01970
Phone: 978-745-3056 Fax: 978-741-8370 Email: rogertremblaycont@verizon.net

GENERAL NOTES:

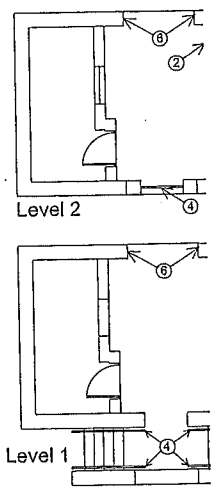
1. EXISTING HOT DIPPED GALVANIZED RAILINGS AND GUARDRAILS SHALL BE CLEANLY REMOVED FROM EXISTING STAIR STRINGERS, AND STORED FOR RE-USE. PAINT TO MATCH NEW STAIR.
2. NEW HOT DIPPED GALVANIZED EAST STAIR SHALL BE CONFIGURED TO MEET EXISTING LANDINGS ON ALL LEVELS. FINISH COL(BY ARCHITECT.
3. REPLACE BROKEN OR OBSCURED VISION GLASS. CLEAN ALL GLASS, NEW AND EXISTING ENTIRELY. NEW GLAZING SHALL BE LAMINATED GLASS WITH DUPONT SENTRY GLASS INTER LAYER OR EQUAL. NEW GLAZING SHALL BE INSTALLED IN EXISTING WINDOW FRAMES. IF WINDOW FRAME FINISH IS DAMAGED, REPAIR/ REPAINT TO MATCH EXISTING.
4. WIRE BRUSH EXISTING GALVANIZED RAIL TO REMOVE PAINT, RE-FINISH WITH COMPATIBLE PAINT TO ACHIEVE A LONG TERM FINISH. COLOR CHOSEN BY ARCHITECT.
5. OVERGROWN VEGETATION SHALL BE REMOVED FROM STAIR ENCLOSURE TO ALLOW CLEANING/ REPAIR OF VISION LITES ON EAST STAIR.
6. REMOVE EXISTING FAILED EXPANSION JOINT. INSTALL EMSEAL SEISMIC COLOR SEAL @ DAMAGED JOINT LOCATIONS. NEW JOI TO BE GREY IN COLOR.



East Stair Section



East Stair Elevation



East Stair Plans

Roger A. Tremblay Contractors, Inc.

October 25th, 2011

Re: Town of Framingham, Pearl St. Parking Garage renovations

Attn: Doug Goddard
150 Concord St. Rm 123
Framingham Ma, 01702

Dear Doug,

Please find the estimate for the Pearl St. parking garage window and stair renovations We have made numerous sight visits to determine the scope of work which will include both the North & South stairways. Also included is the trimming of the vines on the south stairs.

During our walk through we have compiled information on the rails, landings, treads and risers. We feel that the stair stringer and rail should remain in tack, sanded and painted. The treads, landing platform should be replaced and new concrete to be poured into the new platform and stair pans.

As far as the windows are concerned it is our opinion that the frames will stay in place. and that 100% of the glass will be replaced with safety glass. Our price is based on Safety Glass

Sincerely;

Daniel Tremblay
Roger Tremblay Contractors Inc.

10 Colonial Road, Unit 4, Salem, 01970
Phone: 978 745 2056 Fax: 978 741 9370 Email: rogertremblaycont@verizon.net

October 25th, 2011

Project: Pearl St. Parking garage

Attn: Doug Goddard
Town of Framingham
150 Concord St.
Framingham Ma, 01702

Window Project Scope:

- Remove all existing broken glass from the stairway wells
- Re move all existing window dividers and seals before installing the new glass
- Replace the glass with new Hurricane-Resistant Glazing
- Cut out any sealant from the outside and inside and install new backer rod and caulking to match from color
- Cut our all over grown vines as both windows

North & South Stair wells

- Remove the existing concrete fro the stair treads and landings
- Remove the stair tread and landing medal framing
- Grind down all existing stringers before installing any new materials
- Weld new landing and treads to accept new concrete
- Install new wire mesh in each tread and landing before pouring of concrete
- Pour all treads and stair landing with 3500 psi concrete
- After normal drying apply traffic coating to all stair treads and landing
- Final sand and paint all railings, risers, skirts sides, and underside of all existing and new steel

General

- Remove all debris

Total Stock and labor:$96,680.00

Sincerely;

Daniel Tremblay
Roger Tremblay Contractors Inc.

10 Colonial Road, Unit 4, Salem, 01970

COMFORT SYSTEMS USA

BCM Controls Corporation

30 Commerce Way, Woburn, Massachusetts 01801

Phone: 781-933-8878 Fax: 781-932-3856

BCM CONTROLS PROPOSAL

Date:	8/30/2011
Reference:	
	Page 1 of 3
Project Name:	
Project Location:	
Customer Project #:	
BCM Project #:	
Submitted By:	Adam Cambria
Copy To:	

Proposal To:

Attention:
Eric Heldeman
Town of Framingham
Building Services Foreman
150 Concord St Rm 133
Framingham, MA

BCM Controls is pleased to propose the following scope of work:

BCM Controls will provide and install 9 new Axis IP Vandal Domes at the Pearl St Garage. BCM will provide 9 additional licenses for the Axis Camera Station software in use by the town. This proposal assumes a POE switch will be provided at the garage and that network connections to the existing storage device will be provided by the town. This proposal also assumes that the existing storage can handle the additional cameras. This proposal also assumes that there is room to add the 9 new cameras to the Axis Camera Station Software that has a maximum capacity of 50 cameras. This proposal also assumes that the new cameras will be programmed into the Video Management Software by the Town of Framingham.

BCM will install 9 cameras in the garage. There will be 3 on the first floor 2 viewing each side and one camera viewing the entrance. The second and third floors will ~~get two~~ cameras each viewing each side, and a camera will be mounted on the Stairwell structure on the roof level to view the roof parking. The will also be one additional camera located on the lower level viewing the apartment building parking and entrance.

All wiring in the garage will be in pipe provided and installed as part of this installation.

COMFORT SYSTEMS USA

BCM Controls Corporation

30 Commerce Way, Woburn, Massachusetts 01801

Phone: 781-933-8878 Fax: 781-932-3856

BCM CONTROLS FAC64 PRICING

Date:	8/30/2011
Reference:	
	Page 2 of 3
Project Name:	

BCM Controls is pleased to propose the Material/Labor as referenced in the Scope of Work:

Quantity	Manufacturer	Model / Description	% Off	List Price	Unit Price	Total Cost
9	Axis	Axis Camera License 0202-034	1%	100.00	99.00	891.00
9	Axis	Axis P3343-VE Vandal Dome	1%	999.00	989.01	8,901.09
6	Axis	Axis Pendant Kit 5502-321	1%	49.00	48.51	291.06
6	Axis	Axis Wall mount bracket 5017-611	1%	99.00	98.01	588.06
		Total Materials				**10,671.21**
Hours		**Description**			**Unit Price**	**Total Cost**
		Sr. Project Manager				
10		Project Manager			110.00	1,100.00
12		Programmer			105.00	1,260.00
		Software/Technician				
120		Installation			110.00	13,200.00
		Total Labor				**15,560.00**
		Total Project				**$26,231.21**

COMFORT SYSTEMS USA

BCM Controls Corporation

30 Commerce Way, Woburn, Massachusetts 01801

Phone: 781-933-8878 Fax: 781-932-3856

BCM CONTROLS PROPOSAL

Date:	8/30/2011
Reference:	
	Page 3 of 3
Project Name:	
Project Location:	
Customer Project #:	
BCM Project #:	
Submitted By:	Adam Cambria
Copy To:	

Proposal To:

Attention:
Eric Heideman
Building Services Foreman
150 Concord St Rm 133
Framingham, MA
#REFI

Notes and Clarifications

- Installation during regular business hours
- BCM to provide complete installation, including engineering, project management, programming, testing and user training
- TCP/IP LAN/WAN network connectivity by others
- 120V/AC power and UPS/surge protection at BCM devices by others
- BCM to provide warranty as per FAC64

Proposal type
○ T & M ○ T & M not to exceed ◉ Fixed Price

Overtime
◉ All work on straight-time ○ Overtime included

This proposal is valid for
◉ 30 days ○ 60 days ○ 90 days

Payment terms
◉ Net 30 days ○ Existing contract format

All materials are of the description specified. Work will be performed in accord with standard practice. Any change is subject to material agreement, and in the event of such change, an equitable adjustment will be made in price. Not responsible for any cause or condition beyond our control. Purchaser responsible for all necessary insurance. Payment will be made to BCM Controls according to payment terms above. The extension of credit is subject to approval.

The above proposal is accepted and you are authorized to proceed for the sum indicated in this proposal.

Date of Acceptance _____ Accepted By: _____

Purchase order # _____ Printed Name: _____

Price Quotation

INX

INX, Inc.
Northeast Sales Operations
3 Allied Drive, Ste 308 Dedham, MA 02026

CISCO PARTNER Gold Certified
CISCO PARTNER Master Unified Communications Specialized

Date: August 24, 2011
Quote #: TOF-3560-081811
From: Ethan Simmons
Phone: 617-696-6302
FAX:
Email: ethan.simmons@inxi.com

To: Jamie Schiavone
Company: Town of Framingham
Address:

Phone:
Email:

Vendor	Part Number	Description	Qty		Unit Price	Ext Price
	Pearl Street Garage					
CISCO	WS-C3560-8PC-S	CATALYST 3560 8 10/100 POE + 1 T/SFP STANDARD IMAGE	1		$809.10	$809.10
CISCO	GLC-LH-SM=	GE SFP,LC connector LX/LH transceiver	2		$577.10	$1,154.20
CISCO	CON-SNTP-WSC3568	SMARTNET 24X7X4 WS-C3560-8PC-S One Year	1		$130.00	$130.00
CEX	LC-SCA SMDX-3M	Fiber Cables 3M LC-SCA	2		$23.52	$47.04
			QTY		BOM Total	$2,140.34
INX	INX-SVCS-PDIO	INX Professional Services	0		Product Subtotal	$2,010.34
		Please see the INX Life Cycle Solution Delivery Framework document			Maint Subtotal	$130.00
		and or your SOW for complete details			Est. Sales Tax	$0.00
					Prof Svcs Total	***
					Est. Shipping	***
					Grand Total	$2,140.34

All INX Professional Services and Product/Equipment purchased hereafter will be subject to the terms and conditions & RMA policy referenced below. The INX Life Cycle services approach is a strategic Solution Delivery Framework of best practices that outline the critical pre and post sales activities required to deploy and operate a Cisco Advanced Technology Solution. INX delivers a "Phased" Methodology of the following Pre-Sales; which includes the Envisioning and Proposal phases, and Post Sales; which includes the Planning and Deployment phases and associated tasks of Assessment, Design, Implementation, Integration, Operations Day 1 Support, Training and Day 2 Support for a successful project completion.

Unless otherwise noted, Actual Tax & Shipping will be applied on final invoice(s)

Customer Signature of Acceptance Date PO#

Customer Printed Name

By signing this quote and/or issuance of a PO, I acknowledge that I have the authority on behalf of my company to make purchasing decisions to order the items in this quote and to begin project initiation. This quote is subject to and will be governed by the terms and conditions and RMA policy located at www.inxi.com or by clicking the associated links and will govern our relationship and any PO issued in relation to this quote. Any and all competing or conflicting terms and conditions are hereby unconditionally rejected.

Click here for additional Terms & Conditions
Click here for RMA Policy

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Price Quotation

INX, Inc.
Northeast Sales Operations
3 Allied Drive, Ste 306 Dedham, MA 02026

Date: August 18, 2011
Quote #: TOF-3560-081811
From: Ethan Simmons
Phone: 617-896-6302
FAX:
Email: ethan.simmons@inxi.com

To: Jamie Schiavone
Company Town of Framingham
Address:

Phone:
Email:

Vendor	Part Number	Description	Qty		Unit Price	Ext Price
	Pearl Street Garage					
CISCO	WS-C3560-8PC-S	CATALYST 3560 8 10/100 POE + 1 T/SFP STANDARD IMAGE	1		$809.10	$809.10
CISCO	GLC-LH-SM=	GE SFP,LC connector LX/LH transceiver	2		$577.10	$1,154.20
CISCO	CON-SNTP-WSC3568	SMARTNET 24X7X4 WS-C3560-8PC-S One Year	1		$130.00	$130.00
			QTY		BOM Total	$2,093.30
INX	INX-SVCS-PDIO	INX Professional Services	0		Product Subtotal	$1,963.30
		Please see the INX Life Cycle Solution Delivery Framework document			Maint Subtotal	$130.00
		and or your SOW for complete details			Est. Sales Tax	$0.00
					Prof Svcs Total	***
					Est. Shipping	***
					Grand Total	$2,093.30

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Unless otherwise noted, Actual Tax & Shipping will be applied on final invoice(s)

Customer Signature of Acceptance Date PO#

Customer Printed Name

By signing this quote and/or issuance of a PO, I acknowledge that I have the authority on behalf of my company to make purchasing decisions to order the items in this quote and to begin project initiation. This quote is subject to and will be governed by the terms and conditions and RMA policy located at www.inxi.com or by clicking the associated links and will govern our relationship and any PO issued in relation to this quote. Any and all competing or conflicting terms and conditions are hereby unconditionally rejected.

Click here for additional Terms & Conditions
Click here for RMA Policy

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Memorial Building Fire Suppression System Design

The Memorial Building, which is 76,453 square feet, will require that a fire suppression system be installed. This is based on the area of the building, to meet current Building and Life Safety codes. Additionally, a new fire alarm panel, with updated electronics, will be required to meet these codes. The attached quote by the reputable firm of Hughes Associates, Inc. could provide the design and construction management services to the Town.

Life safety features in a building, are invaluable. The citizens of Framingham should support this prudent project.

Year	Estimated Cost
2013	$50,000 (Design, including contingency)
2014	$900,000 (Sprinkler Installation estimate-$12 /sf.)
	$250,000 (Fire Alarm System Installation est.-$3.25 /sf.)
Total	$1,200,000.00 (estimated final cost)

HUGHES ASSOCIATES, INC.
FIRE PROTECTION ENGINEERS
CODE CONSULTANTS

Proposal for Fire Protection Engineering Services for the Retrofit Fire Sprinkler System and Fire Alarm System Installations

Memorial Building
150 Concord Street
Framingham, MA 01702

Prepared for:

Douglas J. Goddard, AIA
Capital Building Projects Manager
Town of Framingham
150 Concord Street, Room 123
Framingham, MA 01702
Phone: (508) 532-5436
Fax: (508) 532-5445
Cell: (508) 328-2476
email: djg@framinghamma.gov

Prepared by

John Schoenrock, P.E.
Senior Fire Protection Engineer
Hughes Associates, Inc.
5 Mount Royal Avenue, 3rd Floor
Marlborough, MA 01752

October 13, 2011

1.0 INTRODUCTION

1.1 Background

As requested, Hughes Associates, Inc. (HAI) submits this proposal to the Town of Framingham (TOF) to provide automatic fire sprinkler system and fire alarm system design and Construction Administrative (CA) services for the building located at 150 Concord Street in Framingham, Massachusetts. The 80,000 square foot (approximate) building has two stories above grade and one finished story below grade. The building contains Group B (Business), A-3 (Assembly), and miscellaneous Group F-2 and S-2 mechanical equipment and storage rooms. The building primarily houses the town municipal offices, conference rooms, a 13,000 square foot community hall (including balcony area) and a legitimate stage with proscenium and fly/tie gallery.

The building is not equipped with an existing sprinkler system. The building is, however, equipped with an existing fire alarm system. The existing fire alarm system head-end is a conventional 12-zone fire alarm control unit originally manufactured by FCI. The system consists of conventional pull stations, and partial smoke and heat detection at random locations throughout the building. Notification is provided by sparsely located horns and strobes/conventional incandescent lights, throughout the building.

Our proposal is based on the October 7, 2011 site visit with Mr. Doug Goddard and further review of building drawings.

1.2 Objective

The objective of our proposed involvement is to design and provide CA services for a new automatic fire sprinkler system and a new addressable fire alarm system to be installed in the building such that at the conclusion of the project the building will be a fully sprinklered building and will have a new, reliable fire alarm system, in accordance with the requirements of 780 CMR *Massachusetts State Building Code* (8th Edition), 527 CMR *Massachusetts Comprehensive Fire Safety Code*, MGL 148 *Massachusetts General Laws Chapter 148 – Fire Prevention*, NFPA 13 *Standard for the Installation of Sprinkler Systems* (2007 Edition), NFPA 72 *National Fire Alarm and Signaling Code* (2010 Edition) and other applicable referenced standards for approval by the Town of Framingham Fire Department and Building Department.

2.0 SCOPE OF SERVICES

In satisfying the project objectives, Hughes Associates, Inc. (Consultant) will provide the following scope of services to The Town of Framingham (Client). Services will be provided during the following design phases: 95% Construction Document (CD), 100% CD, Bid Support, and Construction Administration (CA) Phases of this project.

2.1 95% Construction Document Phase

2.1.1 General

1. Conduct an on-site survey to document existing building features and systems related to the sprinkler system and fire alarm system designs.

2. Prepare a draft Fire Protection Systems Narrative report for the new fire sprinkler and fire alarm systems pursuant to 780 CMR §901.2.1(1.a.).

3. Prepare a General Agreement (GA) document on behalf of TOF to include with the bid documents. The GA will include the following:
   - Proposed project schedule
   - Bid requirements and conditions
   - General project requirements and conditions; e.g. clean-up, work schedule during occupied hours, etc.

2.1.2 Fire Sprinkler System

4. Conduct or witness a hydrant flow test in order to obtain municipal water pressure and flow conditions at the street main that will serve the new sprinkler system.

5. Prepare a complete set of construction drawings of the automatic fire sprinkler system. The construction documents will include the following information:
   - Design criteria to be used by the installing contractor
   - Appropriate information where required to address specific unique situations
   - Preferred pipe routing (subject to modifications due to actual installation limitations and obstructions as would be presented on contractor's shop drawings)
   - Pipe diameters of bulk mains, cross mains, and the remote sprinkler zones
   - Water supply information
   - Type, temperature, response time, finish, and K-factor of sprinklers to be installed
   - Orientation and approximate location of sprinklers
   - Control valves, check valves, drain pipes and test connection sizes and locations
   - Specific details to illustrate appropriate equipment installation and orientation
   - Underground piping detail.
   - Hydraulic reference points that correspond to hydraulic calculations
   - Riser diagram to include relative elevations of floor control assemblies

The design anticipates a combination of dry pipe sprinkler systems protecting unheated combustible concealed spaces and wet pipe sprinkler systems protecting most of the occupied areas.

6. Prepare a set of automatic fire sprinkler system technical specifications.

7. Prepare multiple sets of hydraulic calculations for the sprinkler systems. Each sprinkler system will be hydraulically calculated in accordance with NFPA 13 – 2007. The hydraulic performance criteria will be identified on the construction drawings, and design specification.

2.1.3 Fire Alarm System

8. Prepare a set of design drawings illustrating a near complete layout of the automatic fire alarm system. The drawings will be conceptual in nature and will provide a general graphic representation of the proposed system. The automatic fire alarm system drawings will show the locations of all new fire alarm system equipment and design information, which will include:
   - The fire alarm control unit, remote alarm annunciator(s), master box, DACT
   - Initiating devices including smoke detectors, heat detectors, duct smoke detectors, manual fire alarm boxes, sprinkler system water flow switches, tamper switches, etc.
   - Notification appliances (e.g. audible and visible)
   - Sequence of Operations matrix
   - Conceptual fire alarm system riser diagram

9. Prepare a set of fire alarm system technical specifications.

2.2 100% Construction Document

2.2.1 General

1. Conduct one (1) site visit to walk through the building with the 95% CD's to confirm the design or modify as necessary.

2. Attend one (1) meeting with the Framingham Fire Department (FFD) and TOF personnel to discuss comments, questions, and concerns with regards to the system designs. The purpose of the 95% CD submittal is to allow the TOF and the FFD an opportunity to comment on the design documents and to provide input on specific design features, to be included in the final construction documents.

3. Prepare a final FP Systems Narrative Report.

4. Prepare a final General Agreement report for contractor bidding.

2.2.2 Fire Sprinkler System

5. Prepare four (4) complete sets of 100% fire sprinkler system construction documents based on 95% comments. The final design documents will be used to solicit bids.

6. Prepare four (4) complete copies of 100% fire sprinkler system technical specifications based on 95% comments.

7. Prepare four (4) complete copies of the 100% hydraulic calculations.

2.2.3 Fire Alarm System

8. Prepare four (4) complete sets of 100% fire alarm system construction documents based on 95% comments. The final design documents will be used to solicit bids.

9. Prepare four (4) complete copies of 100% fire alarm system technical specifications based on 95% comments.

2.3 Bid Support Phase

1. HAI will work with and support the TOF as they solicit bids for the project.
2. Administer a pre-bid walkthrough with bidding contractors on behalf of the TOF.
3. Provide miscellaneous support, provide clarifications, etc. during the bidding process.
4. Provide comments to the TOF regarding submitted bids and assist in the bid evaluation and contractor selection.

2.4 Construction Administration (CA)

1. Submit to the contractor for permit:
   - 3 sets of 100% Fire Sprinkler System and Fire Alarm System Construction Drawings stamped and signed by a Massachusetts registered Professional (Fire Protection) Engineer
   - 3 copies of the 100% FP Systems Narrative Report
   - 3 copies of the 100% Hydraulic Calculations
   - 3 copies of the 100% Fire Sprinkler System and Fire Alarm System Technical Specifications
2. Attend pre-construction meeting with selected General Contractor (GC), sprinkler system contractor, and fire alarm system contractor.
3. Provide reviews of submitted shop drawings, details, calculations, and equipment submittals prepared by the selected contractors. This is provided to determine if the project specifications and construction documents have been followed before system installation begins. HAI has budgeted two reviews per discipline.
4. On-site construction administration is provided to ensure general compliance of the automatic fire sprinkler system and fire alarm system installation with the design intent, the fire safety goals of the TOF and the provisions of applicable codes and standards. HAI has budgeted five (5) intermediate site visits.
5. Provide written responses to Requests For Information (RFI).
6. Witness a "pre-acceptance" demonstration test conducted by the installing contractors prior to scheduling the "final acceptance" test with the FFD. HAI has budgeted two (2) man-days for witnessing testing.
7. Review as-built drawings and Operations and Maintenance (O&M) manual developed by the contractor. Provide a review letter, written and stamped by the engineer of record, attesting to the completeness and accuracy of the installation with the construction documents pursuant to 780 CMR §901.5.1.

3.0 PROJECT OUTPUT

The output associated with the specified Scope of Services will be as follows:

1. 95% CD Submission
   - 95% CD Fire Sprinkler Drawings (4 sets)
   - 95% CD Fire Alarm Drawings (4 sets)
   - 95% CD Hydraulic Calculations (4 copies)
   - 95% CD Fire Sprinkler Technical Specifications (4 copies)
   - 95% CD Fire Alarm Technical Specifications (4 copies)
   - Draft FP Systems Narrative Report (4 copies)
   - Draft General Agreement Document (4 copies)
2. 100% CD Submission
   - Meeting minutes from MFD meeting
   - 100% CD Fire Sprinkler Drawings (4 sets)
   - 100% CD Fire Alarm Drawings (4 sets)
   - 100% CD Hydraulic Calculations (4 copies)
   - 100% CD Fire Sprinkler Technical Specifications (4 copies)
   - 100% CD Fire Alarm Technical Specifications (4 copies)
   - Final FP Systems Narrative Report (4 copies)
   - Final General Agreement Document (4 copies)
3. Bid Support
   - Pre-bid walkthrough meeting minutes
   - Miscellaneous bid clarifications in memo format
4. Construction Administration
   - Stamped Fire Sprinkler Drawings (3 sets) for permit
   - Stamped Fire Alarm Drawings (3 sets) for permit
   - Stamped FP Systems Narrative Report (3 copies) for permit
   - Hydraulic Calculations (3 copies) for permit
   - Technical Specifications (3 copies) for permit
   - Requests For Information (RFI) memos
   - Contractor submittal review comments, memo format
   - Construction oversight site observations, memo format
   - Final system certification letter format, sealed by MA licensed FPE

4.0 ASSUMPTIONS & ADDITIONAL SERVICES

In general, it is assumed that the Scope of Services and assistance required by HAI to complete the design of the proposed sprinkler system will be limited to "fire protection engineering" activities and that additional consultants, if necessary for miscellaneous issues, will be retained directly by the TOF or the GC as the need arises. Upon request, HAI can identify qualified consultants to the TOF for inclusion into the design team or can retain such parties as sub-consultants under the scope of HAI services as an additional service. Additional consultants and services that may be required for this type of project include architect, electrical engineer, electrician, carpenter, mechanical engineer, mechanical contractor, and painter.

Examples of additional services for this project include the following:

1. Services related to General Conditions are not covered in the specifications in this proposal. For example, it will be the sprinkler contractor's (or General Contractor's) responsibility to furnish a painting contractor to paint all exposed piping as will be specified in the CDs. However, as an example, the TOF would have to separately hire an architect and or contractor to design and specify a new ACT (Acoustical Ceiling Tile) hung ceiling as this will not be addressed in the CDs.
2. Preparation of architectural drawings
3. HAI assumes that the municipal water supply has the capacity (pressure and flow) to adequately supply the sprinkler system without the need for a fire pump. However, HAI can provide the additional fire pump design services for an additional, mutually agreed upon fee, if the existing municipal water supply cannot adequately supply the new sprinklers system.
4. Meetings or site visits in addition to those specified
5. Design of any other fire and life safety systems
6. Preparation and submission of design drawings and specifications in addition to the submittal phases specified in this proposal. Any additional submittals required will be provided on a mutually agreeable basis.

5.0 TIMING

The Consultant is prepared to proceed with the above scope of services immediately following receipt of the Client's written authorization.

6.0 CLIENT RESPONSIBILTY

This proposal is based on the Client providing the following:

1. Provide the Consultant with all relevant fire protection / life safety related project information.
2. Provide the Consultant with access throughout all areas of the building on a timely basis.
3. The Client will be required to investigate the building conditions to ensure that hazardous materials, including but not limited to asbestos and lead paint, will not affect the design and installation of the sprinkler systems. Any hazardous materials abatement requirements, or specific locations where coring or cutting is to be avoided due to contamination, are to be made known to HAI prior to the completion of the 100% CD submission so that the design documents can be modified accordingly. HAI will not be responsible for any abatement.

7.0 TERMS AND CONDITIONS

7.1 Professional Services Fee

Consultant will provide the professional services outlined in Section 2.0 and provide the deliverables outlined in Section 3.0 for a firm fixed price as indicated below, exclusive of any reimbursable expenses.

A breakdown of this fee is as follows:

Phase	FFP
General	$5,500
Fire Sprinkler	$13,000
Fire Alarm	$7,000
Bid Support	$2,500
Construction Administration	$10,500
Total	$38,500

7.2 Expenses

Expenses will be reimbursable at cost plus 10%. Expenses include municipal fees, local travel mileage, parking, postage, copying, express shipping, and other miscellaneous costs.

7.3 Terms and Conditions

1. The Engineer agrees to perform the services with the reasonable skill and diligence consistent with customarily accepted professional practices normally provided in the performance of the services at the time when and the location in which the services were performed.

2. This proposal is valid for thirty (30) days. Return of a countersigned copy of this letter with the down payment constitutes agreement with the terms and conditions of this proposal. Any tasks excluded from this agreement should be clearly identified in a countersigned letter.

3. Invoices will be issued for each phase after substantial completion of each phase, respectively. Invoices are due upon receipt. Accounts unpaid for 45 days from the date of invoice are subject to a 1.5 percent per month service charge. Accounts unpaid for 75 days from the date of invoice will be a cause for Consultant to suspend all performance under this agreement upon a 14 day written notice unless payment in full is received within 14 days from the date of written notice. In the event of a suspension of services, Consultant shall have no liability for any delay or other damage, contractual or otherwise, caused by or arising out of the suspension of services due to non-payment. Acceptance by Consultant of any payment more than 75 days old shall not serve as waiver of Consultant's contractual right to suspend service for non-payment. The final certification letter will be issued after receipt of the final payment of the last project phase.

4. HAI is not responsible for the contractors' failure to perform in accordance with the plans, specifications, general agreement and conditions; not responsible for the contractors' acts or omissions; and not responsible for contractors' means, methods, techniques or procedures. HAI has no authority to exercise any control over the contractors regarding the scope of work in this proposal, nor any environmental, health, or safety means, methods, techniques, or procedures conducted by the contractor.

5. John J. Schoenrock, P.E. will serve as project manager for this project. Consultant reserves the right to assign personnel on an "as available" basis.

7.4 Acceptance

BY EXECUTING THIS PROPOSAL, THE CLIENT HAS READ ALL OF THE TERMS AND CONDITIONS OF THIS PROPOSAL AND FULLY UNDERSTANDS THEIR CONTENTS. THE EXECUTION OF THIS PROPOSAL CONFIRMS THE CLIENT'S UNDERSTANDING AND ACCEPTANCE OF THOSE TERMS.

To indicate acceptance and to authorize initiation of services, return a countersigned copy of this agreement to Hughes Associates, Inc., 5 Mount Royal Avenue, 3rd Floor, Marlborough, MA 01752.

Please call if you have any questions regarding this proposal.

Respectfully submitted by Hughes Associates, Inc.

John J. Schoenrock, P.E.

Accepted by the Town of Framingham

Signature: _____

Name: _____

Title: _____

Date: _____

Install New Ceilings at the Main Framingham Public Library

Project:

Install new suspended acoustical ceilings in the Main Framingham Public Library, located at 49 Lexington Street. The existing "spline" type ceilings are not easily removed or replaced. The Library mechanical equipment requires repairs more frequently, as time goes on. If the ceiling were easily accessible repairs and ceiling replacement could be done without major disruption. The ceilings could be restored quickly and easily.

Justification:

The current ceiling requires that a large purchase of materials and time is required to replace the tiles. With the new ceilings, mechanical repairs can be assessed, made and the ceilings can be replaced with as little disruption as possible to the Library operation. Money spent will result in pro-active maintenance.

Proposal

ACOUSTICAL PRODUCTS CO., INC.

General Contractor

191 Prospect Street
Ashland, MA 01721
Cell (508) 395-2858
Office (508) 881-3454

PROPOSAL SUBMITTED TO Town of Framingham	PHONE 508-532-5436 Fax 508-532-5445	DATE 10/21/11
STREET 150 Concord Street	JOB NAME Framingham Library-Lower Level Ceiling, Lighting & HVAC Replacement	
CITY, STATE AND ZIP CODE Framingham, MA 01701	JOB LOCATION 49 Lexington Street	
ARCHITECT Doug Goddard / DATE OF PLANS	JOB PHONE djg@framinghamma.gov	

We hereby submit specifications and estimates for:

- o Remove existing 1 x 1 ceiling tile and concealed grid system on entire lower level
- o Remove all existing 1 x 4 lights and recessed lights
- o Remove all existing diffusers, grills, and flexible duct work
- o Clean and re-use existing molding
- o Reconfigure ceiling wires to accommodate new layout
- o Install new Armstrong 2 x 2 1" wide white ceiling grid
- o Install new duct work consisting of the following: 4 Buckley 4" 2 slot linear diffusers, approximately 42 Harte & Cooley F.P.D. 2 x 2 ceiling diffusers, approximately 22 Harte & Cooley 2 x 2 ceiling grills and new duct work as required
- o Install temporary lighting
- o Install 170 2 x 4 parabolic 3 light T8 lamp fixtures
- o Installation of jack chain to support lights and new 12/2 MC cable connections to attach lights
- o Install new 4' T8 4100K light bulbs in all new lights
- o Recycle all old light bulbs
- o Install new Armstrong Dune #1774 Reveal Edge ceiling tile
- o Thoroughly clean up work area and provide dumpster to dispose of debris
- o $10,000 sprinkler allowance included in this bid
- o All necessary permitting work and coordination with the town and fire department will be included in this bid
- o All employees and subcontractors shall be paid prevailing rate
- o All material will be tax exempt, tax exempt number will be required

We Propose hereby to furnish material and labor -- complete in accordance with above specifications, for the sum of:

One Hundred Thirty Five Thousand Eight Hundred Dollars********** $135,800.00

Payment to be made as follows:

In full upon completion

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully cover by Workmen's Compensation Insurance.

Authorized Signature

Note: This proposal may be withdrawn by us if not accepted within 60 days.

Acceptance of Proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature:

Date of Acceptance:

Signature:

Danforth Museum Emergency Boiler Repairs:

123 Union Avenue – Framingham, Massachusetts

1. Hire Engineer to Design Boilers- Estimated Cost-	$50,000.00
~~2. Abate Boiler Room of Hazardous Materials- Estimated Cost-~~	~~$50,000.00~~ WORK COMPLETED
3. Install two Boilers and associated piping and pumps-	$850,000.00
Total Estimated Cost-	~~$950,000.00~~ $900,000.00

Work Not in Scope of Original Project (Estimated Cost)

1. Replace floor joists in Basement Corridor.	$20,000.00
2. Replace ¾" plywood subfloor in basement corridor.	$6000.00
3. Install VCT flooring in basement corridor.	$4,000.00
Total Basement Restoration-	$30,000.00

Memorial Building Exterior Stabilization Plan

Exterior Stabilization Plan:

This includes stabilizing the building by repairing water damage, where it exists, to stop further building decay, on the exterior masonry of the building. Exterior repairs should be managed and sequenced, to avoid added cost.

The exterior work should include:

1. Remove or repair loose precast concrete.
2. Treat exposed rebar with corrosion inhibitor.
3. Repair pre-cast concrete to its original form and color.
4. Re-point brick walls of the building, as required by Architect.
5. Epoxy injection into inaccessible cracks, to prevention moisture migration.
6. Add Safety lighting to the exterior of the Memorial Building.
7. Add a lighted canopy and non-slip treads, with compliant railing to the rear Basement Entrance to the Memorial Building.
8. **Justification:**

Exterior Stabilization will stop water from getting into the building, going through the freeze / thaw cycle, and causing permanent decay of the building. By spending some money on building now, and not more cost later, we are being good stewards, and saving the taxpayers money.

Exterior lighting will increase the public safety.

Lighted canopy, compliant stairs and railing will increase safety for all.

Cost:	Masonry Estimate-	$114,000
	Exterior Lighting -	$20,000
	Rear Canopy	$57,000
Contingency-		$10,000
Total-		$201,000

Design and Install Energy Efficient Safety Lighting at the Front of the Memorial Building:

The front and sides of the Memorial Building can be dark, even dangerous places at night in Framingham. In order to promote public safety around the memorial building, a new exterior lighting design would place four (4) additional site lights near the front of the Memorial Building on each side, at Concord Street and Union Avenue, for a total of eight (8) new light fixtures. This will improve the safety at the sides and front of the building, at memorial Plaza. In addition, three (3) new lamps would be placed on the portico at the top of the front steps on the outside of the building. This will increase the light level on the portico, or front porch of the Memorial Building.

I have included a proposal for the light fixtures themselves, as well as the labor to install them. See attached proposals.

Douglas J. Goddard

From: Dave Cushing [david.cushing@verizon.net]
Sent: Friday, March 04, 2011 8:06 AM
To: Douglas J. Goddard
Subject: Re: town of framingham/memorial building exterior safety lighting

D-
When I was looking at the work the other day, I was trying to determine if there was enough circuitry on the Rt. 126 side--the electrical panel is full and I thought it might require a sub-panel--but now as I write this I think there is that panel in the lower area in that locked room. So with that, I am thinking it would probably take about a day per side for the pre-wiring and then a day to install all the fixtures and complete wiring. For estimating purposes, figure approx. $6000-$6500--should be in the ballpark maybe even less. Assuming the town will do the trenching and sona tubes etc.
Thanks
D-

$6,500 LABOR COSTS

On 3/3/2011 7:43 AM, Douglas J. Goddard wrote:
Dave,
How Much do you anticipate for installation?
Doug

From: Dave Cushing [mailto:david.cushing@verizon.net]
Sent: Wednesday, March 02, 2011 11:30 AM
To: Douglas J. Goddard
Subject: Fwd: town of framingham/memorial building exterior safety lighting

Hi Doug --here is the quote for the exterior lighting. This would be the price if you buy direct from them...if I buy them add 10%---which is really probably 5-6% since these are already less than the quote they gave you originally (if that makes sense??)
Thanks-
DC

-------- Original Message --------
Subject:town of framingham/memorial building exterior safety lighting
Date: Wed, 02 Mar 2011 10:56:20 -0500
From: Tom Griffin <t.griffin@ew-inc.com>
To:<david.cushing@verizon.net>

LIGHT FIXTURES	$10,835.50
LABOR	$6,500.00
	17,335.50

Tom Griffin
Inside Sales
Electrical Wholesalers Inc.
126 Irving St.
Framingham,Ma 01701
C:(781)-443-4690
F:(860)-541-3943

Direct Line:866-352-9402
E:t.griffin@ew-inc.com

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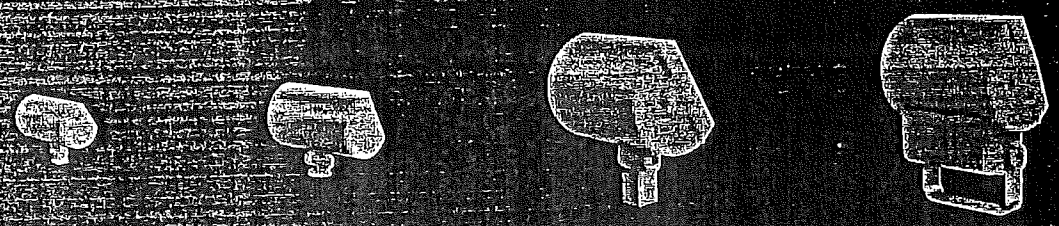
ARCHITECTURAL FLOOD

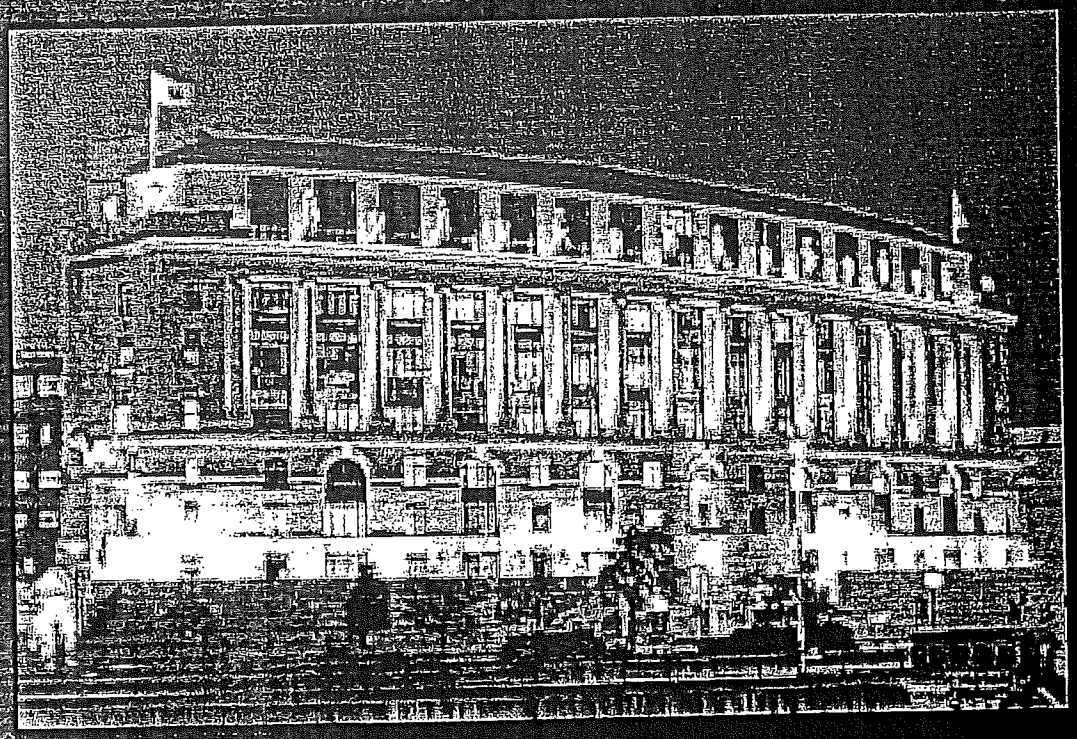
CFL • AFL10/20/30

Architectural Floodlights

50 - 1000 Watt



CFL AFL10 AFL20 AFL30



KIM LIGHTING

Date: Feb 15, 2011

Quote: VE11-22322-1

Quote

VANGUARD LIGHTING
A Yusen Company
Woburn MA 01801
Phone: (781) 935-8500
Fax: (781) 569-0051
From: Mike Smith
Quoter Ph:

Project Memorial Building Exterior Safety Lighting Project
Location
Quote VE11-22322-1

To: Doug Goddard

For
Bid Date Feb 14, 2011
Expires Mar 16, 2011

QTY	Type	MFG	Part	Price	UQ	ExtPrice
6	WALL GRAZER	KIM	AFL20 / 250 PMH	$891.00		$5,346.00
6		KIM	SM2/DB	(included)	E	-
2	FLAG	KIM	AFL20 / 250 PMH	$974.00		$1,948.00
2		KIM	SM2/DB	(included)	E	-
2		KIM	FS2/DB-P	(included)	E	-
3		ELA	L5953BH / CHAIN MOUNTED	$1,180.50		$3,541.50
				Total:		**$10,835.50**

Terms and conditions of sale:
BUY AMERICAN ACT PROJECT REQUIREMENTS MAY NOT BE MET UNLESS SPECIFICALLY NOTED ABOVE IN THIS QUOTATION. VANGUARD LIGHTING ASSUMES NO RESPONSIBILITY FOR NON-COMPLIANCE.

1* Freight is not prepaid & allowed unless the order meets mfg. terms. Concrete Bollards are always plus freight.
2* All quotations are subject to approval.
3* No lamps or mounting hardware are included unless otherwise stated.
4* Neither Vanguard nor it's vendors guarantee dates of delivery at any time.
5* The Vanguard quote number must be referenced on your purchase order.
6* Released Project Orders require current PO & copy of approved cuts.
7* Vanguard Lighting assumes no responsibility for coordination of dimming ballasts supplied and controls furnished unless specific details are furnished to us.
8* No spares or attic stock is included unless specifically noted.
9* Manufacturers will utilize "job" packaging at their discretion unless provided with specific instructions. Special provisions for unloading/transfering shipment may be required.
10* Illumivision terms requires a deposit at time of order.
LED Folio requires full payment in advance.
a-light & Alumen8, may require pre-forma invoice and payment with order entry

Memorial Building Lighted rear Canopy with Non-Slip Stairs:

The existing Memorial Building rear entrance Vestibule is dark and dangerous. The proposed plan would add a lighted entrance canopy with code compliant railings to access the Memorial Building Basement.

The plan would add:

1. Illumination at the rear of the Memorial Building.
2. Non-skid stair treads where currently there are none.
3. Add a translucent canopy to screen the rain.

The project will add safety and quality to the Memorial Building.

See attached quote which reflects a contractor's take off for materials, labor and overhead and profit for the project.

Roger A. Tremblay Contractors, Inc.

FRAMINGHAM
LICENSING/SELECTMEN
2011 FEB 14 PM 2:17

February 11, 2011

Town of Framingham
150 Concord Street
Framingham MA 01702
Attention: Doug Goddard

RE: Memorial Building Rear Entrance Renovation Project

Dear Doug,

Here is our cost for extra work at the Memorial Town Hall. This price includes labor and materials to complete all the work associated with the Rear Entrance Renovation Project as per plans dated October 26, 2010.

Total cost: **$46,000.00**

NOTE: Included in the above price is an allowance of $15,000 for the canopy roof.

Please call me if you have any questions

Respectfully submitted,

Jesse Tremblay
Owner

10 Colonial Road, Unit 4, Salem, 01970
Phone: 978-745-6050 Fax: 978-741-8370 Email: rogertremblaycont@verizon.net

Village Hall New Heating/Cooling System

Project:

The Village hall HVAC system is comprised of two (2) HVAC units that supply heating and cooling to the building, which were install around 1980. One of the two HVAC units is inoperable at this time. Parts cannot be purchased to make repairs to the furnace. Part of the building is without heat, as a result. Per the signed lease with the History Center, the Town is responsible for making repair of replacement of the existing heating system.

The best way to move proceed, is to install efficient condensing boilers to supply hot water to new air handlers, connected to the existing ductwork, which is presumed to be acceptable. The new HVAC units will supply heating and cooling to the building.

Justification:

In order to comply with the signed lease agreement, the repairs should be made to maintain this historic landmark.

Cost:

Install new HVAC Units	$72,200
15% Contingency	$10,800
Total	**$83,030**

Proposal

Rullie Plumbing & Radiant Heating, Inc.
P.O. Box 1591
Westboro, Ma. 01581
(508) 366-6144
(508) 870-3257 Fax
www.RullieRadiant.com

Proposal Submitted to:
Framingham History Center
P.O. Box 2032
Framingham, Ma. 01703

Date: **1/4/12**
Job Name: **Same**
Location: **Old Town Hall**

We Propose hereby to furnish material and labor - complete in accordance with specifications below, for the sum of:
Seventy two thousand two hundred********$72,200.00**
Payments to be made as follows: Deposit of $7,000.00 the remainder to be progress payments.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from specifications below involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Authorized Signature:

Note: This proposal may be withdrawn by us if not accepted within **30** days.

Disconnect and remove 4 existing warm air furnaces and exterior condensers.
Cap off oil lines to 4 warm air furnaces.
Install 2 Lochinvar wall hung gas fired condensing boilers with outdoor reset controls and boiler rotation at rear corner of building where existing gas line is located.
Install 4 First Company air handlers and re-connect supply and return ductwork.
Add multimedia filters.
Run supply and return piping from new hot water boilers to 4 air handlers and connect to heating coils.
Make provisions for future indirect fired water heater.
Install 4 condensing units on exterior of building .
Run new refrigerant piping from condensers to cooling coils in air handlers.
Connect gas piping from new meter to new gas boilers.
Flue piping and combustion air from boilers to exit building in right rear corner.
2 Lochinvar WHN285 wall hung gas fired boilers
4 Aprilair media filters
2 First Company 5 ton variable speed R410A air handlers
2 First Company 4 ton variable speed R410A air handlers
2 Rheem RSG1460 14 Seer 5 ton condensing units
2 Rheem RSG1448 14 Seer 4 ton condensing units

2 Honeywell Vision pro 8000 thermostats
3 condensate pumps
Condensate piping
Refrigerant piping
All gas piping to be sch. 40 black steel pipe.
Exhaust piping and combustion air to be sch. 40 PVC.
All supply and return piping from boilers to air handlers to be type L copper tubing.
Ductwork and ductwork insulation on new ductwork only.
All pipe, valves, fittings for complete system.
This price includes power and control wiring.

*This price assumes Town of Framingham will waive permit fees.

Acceptance of Proposal- The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance:

Signature: