

Proposed Capital Improvement Program



2016 - 2021

Town of Northborough, Massachusetts

CAPITAL IMPROVEMENT PROGRAM

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March 23, 2015

To: Board of Selectmen, Financial Planning Committee,
Appropriations Committee

It is my pleasure to submit herewith the Proposed FY2016-2021 Capital Improvement Program (CIP), the first year of which constitutes the requested FY2016 Capital Budget. Each year, Town Meeting reviews the Proposed Capital Budget and adopts it by voting to appropriate funds for each recommended capital project. The planned acquisition of capital associated with the annual appropriation is an important component of the Town's capital plan.

As in recent years, the CIP is incorporated in its entirety as Section 9 of the annual Operating Budget document. While the physical document continues to be improved, the main focus again in FY2016 is on the financing of the projects themselves, as the Town seeks to fund more projects using available funds such as Free Cash, without incurring debt.

The Free Cash Policy

The process of preparing the CIP and the FY2016 Capital Budget has remained essentially the same in recent years. However, the Board of Selectmen adopted a Free Cash Policy

in November of 2010, which provides a recurring funding source for projects, other than municipal bonds. Interested readers are encouraged to refer to the complete Free Cash Policy on page 2 of Appendix A of this budget document, which contains the Town's comprehensive financial policies.

In its most basic definition, Free Cash is the fiscal year-end combination of revenues that come in higher than estimated and expenditures that come in lower than budgeted. After the June 30th close of the fiscal year, the Town's Free Cash is certified by the State Department of Revenue and available for appropriation. Free Cash that was certified at the close of FY2014 (June 30, 2014) is available for use in the FY2016 (July 1, 2015) Capital Budget.

The adopted Free Cash Policy attempts to align one-time revenues with appropriate one-time expenditures, thereby minimizing the level at which recurring expenses, such as personnel, are dependent upon this unpredictable revenue source. To that end, the following are explicitly authorized

uses of Free Cash under the adopted policy:

1. Appropriation Committee's Reserve Fund
2. Limited (\$500,000) Subsidy of the Operating Budget
3. Contribution to the Town's Stabilization Fund
4. Fund Projects in the Capital Improvement Program
5. Extraordinary Deficits & Emergency Appropriations

Under the policy, one appropriate use of Free Cash is to fund capital projects that would otherwise incur borrowing costs associated with the issuance of debt. The financing of small capital projects or equipment is not considered a best practice for a community our size. Although perfectly legal, the Town has moved away from incurring debt for vehicles and small equipment purchases.

Bond rating agencies prefer to see Towns use a pay-as-you-go approach for smaller capital projects. The one-time nature of Free Cash makes it an excellent match for one-time capital expenditures. If for some reason sufficient Free Cash does not materialize in a given year, the Town may borrow for capital projects, or delay them, without causing immediate impact to the operating budget and related services.

The FY2016 Free Cash Plan

The Free Cash Policy represents the Town's agreed upon and principled approach to how this unpredictable revenue source will be used. The policy guides our decision-making process based upon sound financial planning practices and sets realistic and sustainable goals. The Free Cash Plan is the annual implementation of how actual Free Cash will be used during the budget process in the context of our policy guidelines, including funding of any capital projects. As

always, any use of Free Cash remains subject to Town Meeting approval and appropriation.

At the conclusion of FY2014 Free Cash was certified at approximately \$3.93 million. Of the total Free Cash, \$2.19 million will be used to finance the FY2016 Capital Budget. Projects financed using Free Cash will not increase taxes or result in the payment of finance charges. The use of Free Cash is a significant funding source for FY2016 capital projects and it is likely to continue playing a significant role in funding future capital projects as well.

FY2016 Proposed Free Cash Plan

| | | | |
|---------------------------------------|--------------------------|------------|---------|
| Free Cash Certification 7/1/2014 | | 3,932,028 | 100.00% |
| FY2016 | Appropriated Reserve | -175,000 | 4% |
| FY2016 | Operating Budget FY2016 | -500,000 | 13% |
| | Art 42—250th Celebration | -20,000 | 1% |
| FY2016 | Stabilization Fund | -200,000 | 5% |
| FY2016 | Capital Projects | -2,194,000 | 56% |
| Available Free Cash after FY2016 Plan | | 843,028 | 21% |

In addition to funding capital projects in FY2016, for the first time since FY2008 the Free Cash Plan also includes a contribution to the Stabilization Fund. The Stabilization Fund is designed to accumulate amounts for capital and other future spending purposes, although it may be appropriated for any lawful purpose in accordance with MGL Chapter 40, Section 5B. Communities may establish one or more stabilization funds for different purposes and may appropriate into them in any year an amount not to exceed ten percent of the prior year's tax levy. The total of all stabilization fund balances

shall not exceed ten percent of the community's equalized value, and any interest shall be added to and become a part of the funds. A two-thirds vote of Town Meeting is required to establish, amend the purpose of, or appropriate money into or from the stabilization fund.

The Town Currently maintains a Stabilization Fund for emergencies and unforeseen circumstances. As of June 30, 2014, the balance in the Town's Stabilization Fund is \$3.68 million. Historically the budget had provided for an annual appropriation of \$100,000 to be added to the Stabilization Fund. However, for the past several years the appropriation was not possible due to financial constraints. In FY2016, restoration of the Stabilization Fund contribution was made possible by the significant amount of Free Cash certified on July 1, 2014.

Northborough's financial policy provides for reserves to average between 5% and 10% of the Town's operating budget. Prior to the close of FY2014, the Town's total reserves (Stabilization Fund plus Free Cash) were at 7.7%, or \$4.18 million. As the operating budget continues to grow at a rate of about 4% annually and the Stabilization Fund's interest earnings are less than 1% annually, the relative level of reserves has been declining, despite the fact that the Town has not drawn upon the Stabilization Fund. The planned contribution of \$200,000 in FY2016 is intended to keep reserves at approximately 8%.

It is particularly imperative that the Town maintain its financial reserves at a healthy level as it prepares to go out into the bond market for its share of the \$25.5 million Lincoln Street School renovation/addition project. It is estimated that the Town's share of the project net of a State grant will be approximately \$14.85 million. It is important that the Town send a clear message to the bond market that it is in sound

fiscal condition and nothing makes that point stronger than a planned contribution to the Stabilization Fund.

It is important to note that Northborough's Free Cash Policy has been a major success story for the Town. Since FY2012 the Town has invested \$9.6 million in pay-as-you-go capital investments with no additional tax impact. That includes \$5.8 million in Free Cash and approximately \$3.8 million in other funding sources, inclusive of the planned expenditures for FY2016. The clear result has been less tax dollars going to pay for interest on loans and a declining debt burden that has made room for debt associated with significant capital projects such as the Lincoln Street School.

Lastly, there is one Town Meeting Warrant Article that is included in the Free Cash Plan for FY2016. Article 42 appropriates \$20,000 in Free Cash to support the Town's 250th Celebration Committee. These funds will not become part of the recurring operating budget, but instead are intended to be seed money for the Committee as it begins to plan the events that will commemorate the Town's 250th birthday.

Lincoln Street Elementary School Project

While no additional capital funds are being sought for the Lincoln Street Elementary School Project in FY2016, because of the project's significance, a summary and project update is included in this transmittal letter.

At the April 2012 Annual Town Meeting, \$500,000 was approved as part of the FY2013 Capital Budget to conduct a Feasibility Study of the Lincoln Street Elementary School. Following Town Meeting approval work on the study commenced, resulting in the hiring of a project management firm (Strategic Building Solutions) and an architectural firm (Lamoureux-Pagano). The Lincoln Street School Building Committee, which includes town officials, school officials and

citizens, worked in partnership with the Massachusetts School Building Authority (MSBA) to develop a preferred design solution, which was unanimously endorsed by the Building Committee, K-8 School Committee and MSBA.

At the April 2014 Town Meeting the preferred design solution was presented and approved, followed by a successful debt exclusion vote at the May 12, 2014 Town election ballot. The project is estimated to cost \$25.5 million, with MSBA providing a maximum grant of \$10.4 million. The estimated tax impact on the average single family home over the life of the project is \$148 per year with a peak impact of approximately \$201 in FY2018.

The Building Committee spent most of FY2015 working with the architect and project manager to fully develop the design and produce the requisite construction bid documents. The project is 100% designed and the bid documents have been advertised with construction anticipated to begin in the spring of 2015.

FY2016 Proposed Capital Budget

In terms of the FY2016 Proposed Capital budget, the table on the following page represents the capital projects being brought forward by the General Town Government and Northborough K-8 Schools.

Although the detail for these proposed projects has been incorporated as Section 9 of the annual Operating Budget document, funding for all recommended FY2016 projects requires Town Meeting approval of specific Articles contained in the April 2015 Annual Warrant. The adoption of the Capital Budget and any associated borrowing is done strictly in accordance with the Town Charter and Massachusetts General Laws.

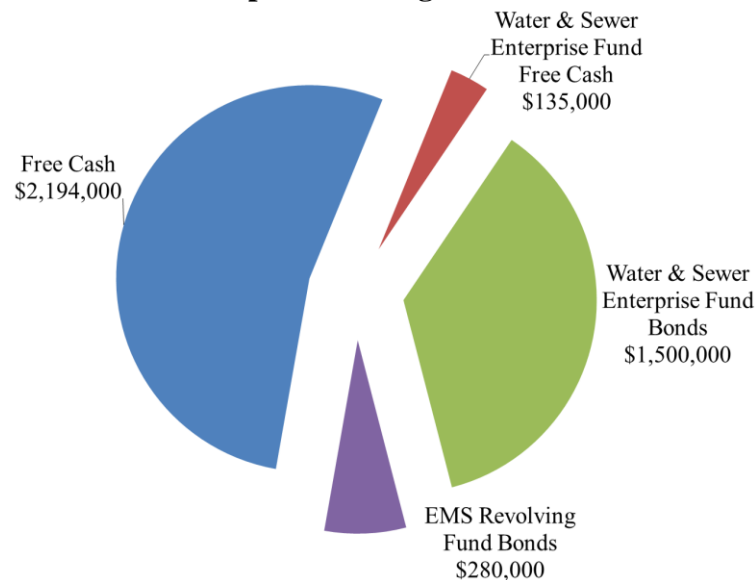
Lincoln Street School Building Project Overview

- 270 student, K-5 neighborhood school designed to comply with Massachusetts School Building Authority (MSBA) guidelines for state reimbursement
- 45,000 sf major renovation, 8,000 sf addition, capitalizing on recent roof replacement
- Site Improvements
 1. Separate bus and car circulation for improved flow and safety
 2. Emergency access route around the facility
 3. Connection to town sewer system
 4. Community use recreational fields and play areas
- School Program Improvements
 1. Appropriate Kindergarten suite
 2. Expanded Special Education facilities to support inclusion and resource programs
 3. New Gymnasium facility positioned for community use
 4. Expanded Media Center facility in former Gymnasium
 5. Fully renovated classrooms with wireless infrastructure
 6. Improved Administration, Health and Teacher Planning areas.
- Systems and Code Improvements
 1. Upgrade facility for full accessibility
 2. Add fire suppression system
 3. Replacement electrical, telecommunications, security, and IT systems
 4. Replacement heating, ventilating and plumbing systems
 5. Seismic code upgrades
 6. Replacement windows with insulated units
 7. Sustainable design features to qualify for 2% additional state reimbursement
 8. Hazardous material abatement

The proposed FY2016 Capital Budget totals \$4,109,000, of which \$2,194,000 is anticipated to be funded with Free Cash (one-time revenues), resulting in no additional tax impact. In addition \$135,000 in funding will come from the Water & Sewer Enterprise Fund balance with no additional impact on rate payers. The proposed funding approach eliminates any additional tax impact on residents and will add no new debt service to the general fund budget. The only debt being proposed is \$1,500,000 for the Water & Sewer Enterprise Fund Hudson Street Pump Station Improvements and \$280,000 for the Fire Department's EMS Revolving Fund Ambulance purchase. Debt for these two projects will be financed by user fees (not general fund tax dollars).

For additional information regarding each of the proposed FY2016 Capital Budget projects, please refer to the Project Detail Sheets in Part II of this document. Project Detail Sheets are also included for each project contained in the six-year CIP.

FY2016 Capital Funding Sources



FY2016 Proposed Capital Budget

| PROJECTS BY DEPARTMENT | | EXPENDITURE |
|----------------------------------------|-------------------------------------------|--------------------|
| Fire | Engine 2 Replacement | 688,000 |
| | Ambulance Replacement | 280,000 |
| | SCBA Bottle Replacement | 45,000 |
| | Fire Subtotal | \$1,013,000 |
| Police | Police Cruiser Replacement | 85,000 |
| | Communications Dispatch Console | 161,000 |
| | Police Subtotal | \$246,000 |
| Planning Department | | |
| | Master Plan | 130,000 |
| | Planning Department Subtotal | \$130,000 |
| DPW: Highway Division | | |
| | Otis Street Culvert Replacement | 325,000 |
| | Roadside Mower Replacement | 130,000 |
| | One-Ton Dump Truck w/Plow Replacement | 90,000 |
| | One-Ton Pick Up Truck w/Plow Replacement | 60,000 |
| | Backhoe Replacement | 145,000 |
| | Mini Excavator | 85,000 |
| | Ellsworth McAfee Park Gazebo and Pavilion | 50,000 |
| | Highway Subtotal | \$885,000 |
| DPW: Sewer Enterprise Fund | | |
| | Hudson Street Pump Station Improvements | 1,500,000 |
| | Sewer Enterprise Fund Subtotal | \$1,500,000 |
| DPW: Water Enterprise Fund | | |
| | One-Ton Service Truck w/Plow Replacement | 75,000 |
| | One-Ton Pick Up Truck w/Plow Replacement | 60,000 |
| | Water Enterprise Fund Subtotal | \$135,000 |
| Northborough K-8 Public Schools | | |
| | Proctor Elementary Roof Repairs | 200,000 |
| | Northborough K-8 Schools Subtotal | \$200,000 |
| TOTAL FY16 CAPITAL BUDGET | | \$4,109,000 |

It should be clearly noted that projects listed in the Capital Improvement Program for years other than FY2016 will not be authorized at the 2015 Annual Town Meeting. Projects in these “out years” serve mainly as a guide for future planning and are subject to further review before incorporation into a future capital budget. Both the Capital Improvement Program (CIP) and the Capital Budget are developed annually in accordance with Section 6-4 of the Northborough Home Rule Charter. One of the long-term goals of the Financial Planning Committee has been to move toward funding small capital items with available funds, such as Free Cash, and avoid the expense associated with incurring debt for smaller capital items. FY2016 is the fifth year such an approach is being followed, since adoption of the Free Cash Policy in 2010.

As a reminder, Part III of this CIP document contains the Financial Planning Committee’s evaluation and recommendation of the proposed capital projects. The report is an excellent reference for citizens reviewing the CIP and provides additional detail regarding how projects are prioritized. Interested readers are strongly encouraged to review the report.

Closing Comments

In closing, it is obvious that the Town continues to make great strides towards improving its Capital Improvement Program. The attached Capital Budget continues to recognize the Town’s ongoing responsibility to maintain its capital facilities, equipment and infrastructure, and to make the capital investments necessary to meet the service demands of our community. The Capital Improvement Program also recognizes the Town’s responsibility to limit such undertakings to a sustainable level that will preserve the fiscal integrity of the Town.

I wish to extend my sincere thanks to the Financial Planning Committee, School Superintendent, Department Heads and staff for their assistance in the preparation of this document.

Respectfully submitted,

John W. Coderre
Town Administrator

INTRODUCTION

In a continuing effort to provide “user friendly” documents to our citizens, the Town has endeavored to provide a straight forward introductory section that answers the most commonly asked questions regarding capital planning in Northborough. The following questions and answers define terms, describe processes, and detail the needs and benefits of Northborough’s capital planning activities.

I. What is the Capital Improvement Program?

The Capital Improvement Program (CIP) is a multi-year plan used to coordinate the financing and timing of major public improvements for the Town of Northborough. It contains a list of capital projects proposed for the Town within the next six years and reflects the recommendations of citizens, boards, commissions, and staff from each of the Town departments. The CIP identifies each proposed project and presents a summary description, estimate of cost, method of financing, and a schedule of implementation. The Capital Improvement Program constitutes a rational plan for preserving, as well as adding to the capital assets of the Town.

II. What are Capital Assets and Capital Projects?

A capital asset is a new or rehabilitated physical asset that is of a non-recurring nature, has a useful life of at least five years, and is of significant value. Capital projects are undertaken to acquire capital assets and are differentiated from ordinary repairs or maintenance of a recurring nature. Examples of capital projects include land acquisitions, construction or major improvements to public buildings, road construction, and the acquisition of large equipment. For our purposes, projects submitted must exceed \$25,000 in value for FY2016 to qualify for inclusion in the *Town of Northborough’s Capital Improvement Program*.

III. What is the difference between the Capital Improvement Program and the Capital Budget?

The first year of the CIP is the proposed Capital Budget. The Capital Budget consists of those capital projects which, through the Town Meeting process and in accordance with the Town Charter, are annually approved and funded. However, projects slated for subsequent years in the CIP serve on a planning basis only, and do not receive ultimate spending authority until they are incorporated into a capital budget and approved by Town Meeting.

IV. How is the Operating Budget Related to the Capital Budget?

The Town of Northborough prepares a Capital Budget separate from the Operating Budget, yet the two are closely linked. The annual Operating Budget provides for general municipal service delivery, including personnel service costs, supplies and other contractual services, and certain capital equipment. Revenues for the Operating Budget are derived primarily from recurring taxes, intergovernmental sources, and user fees. Appropriations to the annual Operating Budget are for a single fiscal year.

In contrast, the Capital Budget is a multi-year budget designed to expend monies which add to the physical assets of the Town. Capital projects typically require expenditures which take place beyond a single fiscal year; funding with debt because of significant costs to be shared by current and future beneficiaries; systematic acquisition over an extended period of time in order to implement major operating systems or programs; and scheduled replacement or maintenance of specific elements of physical assets. Revenues for capital projects are most often derived from the sale of municipal bonds (borrowing), State & Federal Grants (when available) or can be supported by one-time funding sources, such as donations and free cash.

Notwithstanding the differences between the two, the Operating and Capital Budgets are closely interwoven inasmuch as operating costs related to capital projects need to be estimated and provided for in the Operating Budget. Many capital projects, such as the Library Renovation/Expansion Project or new Senior Center, have an impact on the operating costs of those facilities once reopened. Town practice is to attempt to project the net effect a capital project will have on the operating budget. Maintenance and repair costs may be lower in a new facility, but it may cost more to run the larger facility as well. In addition, since most capital projects are financed through municipal debt, repayment of that debt becomes part of the operating budget as well as the Town's fiscal forecasting models. The necessity to incur some degree of debt in order to finance the Capital Improvement Program carries with it the burden to effectively manage that debt within the Town's financial resources.

V. Why do we need a CIP?

The CIP provides a means of coordinating and centralizing the capital project requests of various departments and agencies, thus eliminating wasteful overlap, duplication, and delay. It focuses attention on Northborough's goals and financial capability by comprehensively considering not only what capital projects Northborough needs, but equally as important, what it can afford. Additionally, the formalized process allows more time for the study of projects, encourages public discussion of proposed undertakings, and allows Town citizens the opportunity to provide input, advice and recommendations with respect to proposed projects and expenditures.

VI. How does Capital Programming save the Town money?

Investors and bond rating agencies stress the value of a CIP for a municipality seeking to borrow funds. In fact, the six-year capital plan is referenced in every Offering Statement for Town of Northborough bonds. The absence of a rational, long-term planning instrument would weigh against the bond rating assigned to Northborough by rating agencies and the result would be higher interest rates on bond issues and more tax dollars going to pay for the interest on loans. Northborough currently enjoys a superior credit rating of Aa2 by Moody's Investor Service. This places Northborough within the same rating tier and just slightly below obligations of the United States Government. Thus, very real and tangible cost savings result from the use of our Capital Improvement Program.

Another financial benefit from the capital programming process is the avoidance of poorly timed projects. Good planning can ensure that capital improvement efforts are coordinated and costly duplication is avoided. In addition, significant savings can accrue to taxpayers when major capital financing is coordinated so that bond issues are sold infrequently, but at good times during the economic cycle to take advantage of low interest rates. The development of a Capital Improvement Program ensures sound fiscal and capital planning.

VII. How are Capital Projects financed?

An annual appropriation is typically included in the Operating Budget for capital expenditures as one of several funding sources to finance select capital projects. Other financing sources for Northborough's capital projects include state and federal grants, corporate donations, free cash, and debt. The single largest source of financing for capital projects is borrowing through the issuance of general obligation bonds. Much like mortgaging a house, borrowing allows the Town of Northborough to purchase expensive capital assets and spread the costs over the useful life of the asset, thus eliminating the need to temporarily raise taxes every time a large capital asset is acquired. In addition, debt allows current and future beneficiaries to share the cost of long-term capital improvements such as new schools, libraries or roads. All borrowing is done strictly in accordance with the Town Charter and Massachusetts General Laws (MGLs).

VIII. How is the CIP developed?

The process for preparing the FY2016-2021 Capital Improvement Program and its associated FY2016 Capital Budget is essentially the same as in past years. It involves active participation by Department Heads working in conjunction with the Financial (Capital) Planning Committee. The Capital Budget is prepared in the context of a six-year determination of need by Departments, in conjunction with the Town's overall financial capacity to affordably accommodate the required debt service payments. Projected debt service payments and budgetary impacts are forecast annually to help ensure affordability and sustainability of the Capital Improvement Program.

Proposed projects are reviewed and prioritized based upon commonly used criteria such as health and safety factors, legal obligations and mandates, fiscal impact, environmental impact, community economic effects, and aesthetic and social effects on the quality of life experienced by Northborough residents. Projects are also examined in terms of their relationship to other projects, the Master Plan of Development, and their compatibility with Town-wide goals and objectives.

The process can be described as an iterative cycle with several distinct procedural steps. These steps and the approximate time frame in which they typically occur are described below. The process is also graphically illustrated in the Capital Projects Flow Chart following this introduction.

- *Late Summer*—Following Town Meeting after the approval of that year's Capital Budget, Departments are provided with their previously submitted six year requests for review, update and the addition of the next sixth year. While requests generally remain the same as in the initial request, there are occasionally changed circumstances which necessitate alterations to the requests. This information is returned to the Town Administrator for General Government projects and to the School Superintendent for initial review.
- *Late Autumn / Early Winter* —The Financial Planning Committee meets to receive the compiled information and begin scheduling meetings with the various Departments to evaluate the projects. The Financial Planning Committee and the Town Administrator meet to review the requests of specific Departments and the needs of the overall Town organization. The preliminary debt schedules are updated and various financial forecasts completed in order to provide context to the Capital Budget as well as the six-year Capital Improvement Program.
- *January/February*—The Capital Budget is finalized within the parameters of the established funding target plus any available funds such as free cash or previously approved but unexpended bond proceeds. In making final decisions, the process includes a determination of actual needs and the prioritization of need based upon legal mandate, public safety, and the effect of deferral. Projects not approved for funding are typically deferred into the next budget year.

- *March/April*—The Proposed Capital Budget is presented to the Board of Selectmen and Appropriations Committee.
- *April*—The Capital Budget is presented to Town Meeting for approval; and the process begins again.

Throughout the ensuing fiscal year, Town staff monitors all the approved projects and the following fall the Financial Planning Committee reconvenes to update the CIP all over again.

IX. Why must the CIP be continually updated?

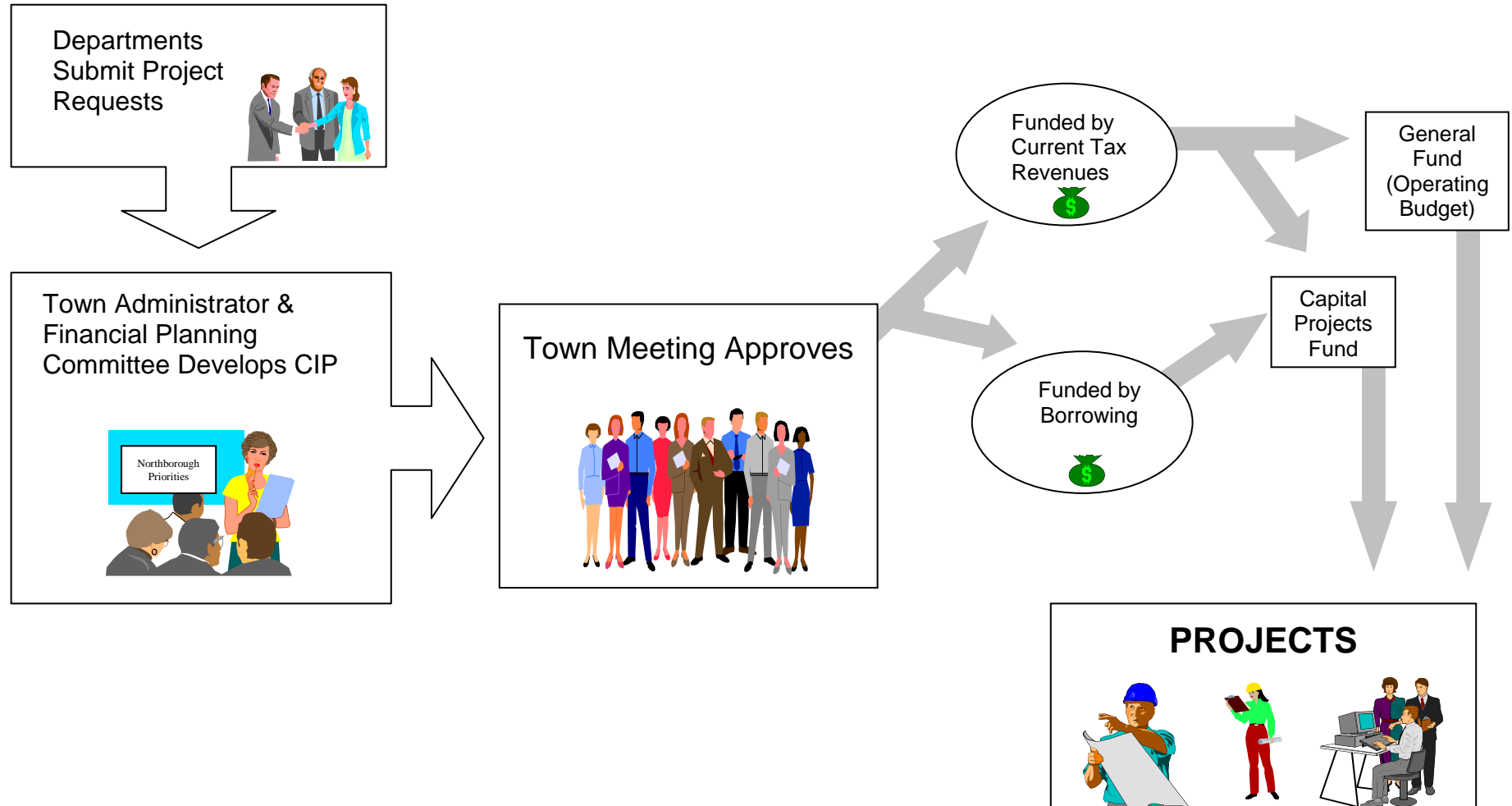
The CIP must be reviewed annually by Town departments and citizens to insure its effectiveness as a flexible, mid-range strategic plan that links the annual budget with our multi-year financial forecasts and the more static long-range Master Plan of Development. Each year, Town Meeting reviews the capital projects recommended by the Financial Planning Committee and the Town Administrator through the CIP development process and approves a Capital Budget. Unfunded projects and those slated for subsequent years in the plan are acknowledged on a planning basis only and do not receive ultimate expenditure authority until they are incorporated into a Capital Budget and approved by Town Meeting. In this respect, the CIP can be thought of as a “rolling” process because unfunded projects and those farther out in years typically move up after each year of review. However, it is important to note that each project contained in the CIP must be recommended every subsequent year and as priorities and monetary constraints change, projects may be moved up, moved back, or even eliminated from the plan. This comprehensive annual review is critical to maintaining fiscal responsibility as well as ensuring the future education, safety, and welfare of Northborough residents.

CAPITAL PROJECTS FLOW CHART

DEVELOPMENT

REVIEW & APPROVAL

IMPLEMENTATION



Part I

Capital Improvement Program Summary Fiscal Years 2016-2021



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**Town of Northborough
Capital Improvement Program Summary
Fiscal Years 2016-2021**

| PROJECTS BY DEPARTMENT | Page # | Source of Funds | Six-Year Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
|----------------------------------------------|--------|-----------------|--------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|
| Fire | | | | | | | | | |
| Engine 2 Replacement | 21 | 6 | 688,000 | 688,000 | | | | | |
| Ambulance Replacement | 22 | 5 | 280,000 | 280,000 | | | | | |
| SCBA Bottle Replacement | 23 | 6 | 45,000 | 45,000 | | | | | |
| Pick-Up Truck Replacement | 24 | 6 | 80,000 | | 80,000 | | | | |
| Fire Station Addition/Renovation | 25 | 2 | 6,650,000 | | | 650,000 | 6,000,000 | | |
| Ambulance Replacement | 26 | 5 | 315,000 | | | | | 315,000 | |
| SCBA Replacement | 27 | 6 | 290,000 | | | | | 290,000 | |
| Car One Replacement | 28 | 6 | 76,000 | | | | | | 76,000 |
| Fire Subtotal | | | \$8,424,000 | \$1,013,000 | \$80,000 | \$650,000 | \$6,000,000 | \$605,000 | \$76,000 |
| Police | | | | | | | | | |
| Police Cruiser Replacement | 29 | 6 | 552,500 | 85,000 | 85,000 | 85,000 | 85,000 | 85,000 | 127,500 |
| Communications Dispatch Console | 30 | 2/6 | 161,000 | 161,000 | | | | | |
| Police Station Roof Replacement | 31 | 2/6 | 90,000 | | 90,000 | | | | |
| Police Subtotal | | | \$803,500 | \$246,000 | \$175,000 | \$85,000 | \$85,000 | \$85,000 | \$127,500 |
| Town Offices | | | | | | | | | |
| Town Offices Building Repair Project Phase 2 | 32 | 2/6 | 0 | | TBD | | | | |
| Town Offices Building Repair Project Phase 3 | 33 | 2/6 | 0 | | | TDB | | | |
| Town Hall Subtotal | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Planning Department | | | | | | | | | |
| Master Plan | 34 | 6 | 130,000 | 130,000 | | | | | |
| Planning Dept Subtotal | | | \$130,000 | \$130,000 | \$0 | \$0 | \$0 | \$0 | \$0 |

**Town of Northborough
Capital Improvement Program Summary
Fiscal Years 2016-2021**

| PROJECTS BY DEPARTMENT | Page # | Source of Funds | Six-Year Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
|----------------------------------------------------------------------|--------|-----------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|------------------|
| Management Information Systems/Geographic Information Systems | | | | | | | | | |
| GIS Aerial Photography | 35 | 6 | 100,000 | | | | 100,000 | | |
| MIS/GIS Subtotal | | | \$100,000 | \$0 | \$0 | \$0 | \$100,000 | \$0 | \$0 |
| DPW: Highway/Parks/Cemetery Division | | | | | | | | | |
| Otis Street Culvert Replacement | 36 | 6 | 325,000 | 325,000 | | | | | |
| Roadside Mower | 37 | 6 | 130,000 | 130,000 | | | | | |
| One-Ton Dump Truck w/Plow | 38 | 6 | 300,000 | 90,000 | | 100,000 | | 110,000 | |
| One-Ton Pick Up Truck w/Plow | 39 | 6 | 60,000 | 60,000 | | | | | |
| Backhoe | 40 | 6 | 145,000 | 145,000 | | | | | |
| Mini Excavator | 41 | 6 | 85,000 | 85,000 | | | | | |
| Ellsworth McAfee Park Gazebo and Pavilion | 42 | 6 | 50,000 | 50,000 | | | | | |
| Church Street Culvert Replacement | 43 | 2/6 | 1,100,000 | | 1,100,000 | | | | |
| Six-Wheel Dump Truck w/ Spreader & Plow | 44 | 2/6 | 645,000 | | 215,000 | 215,000 | 215,000 | | |
| Sidewalk Machine | 45 | 2/6 | 165,000 | | 165,000 | | | | |
| Assabet Park Retaining Wall Reconstruction | 46 | 2 | 100,000 | | | 100,000 | | | |
| Memorial Field Parking Lot Wall and Stairs | 47 | 6 | TBD | | | TBD | | | |
| Street Sweeper | 48 | 2/6 | 410,000 | | | 200,000 | | | 210,000 |
| One-Ton Truck w/Chip Body & Plow | 49 | 6 | 120,000 | | | 120,000 | | | |
| Memorial Field Building Improvements | 50 | 6 | 50,000 | | | 50,000 | | | |
| Pleasant Street Culvert Replacement | 51 | 2/6 | 150,000 | | | | 150,000 | | |
| Fisher Street Culvert Replacement | 52 | 2/6 | 500,000 | | | | 500,000 | | |
| Hudson Street Drainage Improvements | 53 | 2/6 | 200,000 | | | | 200,000 | | |
| Stump Grinder | 54 | 6 | 55,000 | | | | 55,000 | | |
| Chipper | 55 | 6 | 85,000 | | | | 85,000 | | |
| Highway Garage Renovation/Expansion | 56 | 2 | TBD | | | | TBD | | TBD |
| Loader | 57 | 2/6 | 230,000 | | | | | 230,000 | |
| Skid Steer | 58 | 6 | 80,000 | | | | | 80,000 | |
| Wing Mower Replacement | 59 | 6 | 75,000 | | | | | | 75,000 |
| Highway/Parks/Cemetery Subtotal | | | \$5,060,000 | \$885,000 | \$1,480,000 | \$785,000 | \$1,205,000 | \$420,000 | \$285,000 |

**Town of Northborough
Capital Improvement Program Summary
Fiscal Years 2016-2021**

| PROJECTS BY DEPARTMENT | Page # | Source of Funds | Six-Year Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
|----------------------------------------------|--------|-----------------|---------------------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|
| DPW: Sewer Enterprise Fund | | | | | | | | | |
| Hudson Street Pump Station Improvements | 60 | 7 | 1,500,000 | 1,500,000 | | | | | |
| Town Hall Pump Station Improvements | 61 | 7 | 350,000 | | 350,000 | | | | |
| West Main St. Pump Station Improvements | 62 | 7 | 350,000 | | 350,000 | | | | |
| SCADA System | 63 | 7 | 500,000 | | 500,000 | | | | |
| Inflow & Infiltration (I&I) Study | 64 | 7 | 500,000 | | 500,000 | | | TBD | |
| Vacuum/Jetter | 65 | 7 | 300,000 | | | 300,000 | | | |
| Sewer Extension - Phase 1 | 66 | 7 | 2,175,000 | | | 175,000 | 2,000,000 | | |
| Forbes Road Pump Station Improvements | 67 | 7 | 400,000 | | | 400,000 | | | |
| Wesson Terrace Pump Station Improvements | 68 | 7 | 400,000 | | | | 400,000 | | |
| Church Street Pump Station Improvements | 69 | 7 | 400,000 | | | | | 400,000 | |
| Sewer Extension - Phase 2 | 70 | 7 | 200,000 | | | | | | 200,000 |
| Water/Sewer Garage Improvements | 71 | 7/8 | TBD | | | | | | TBD |
| Sewer Enterprise Fund Subtotal | | | \$7,075,000 | \$1,500,000 | \$1,700,000 | \$875,000 | \$2,400,000 | \$400,000 | \$200,000 |
| DPW: Water Enterprise Fund | | | | | | | | | |
| One-Ton Service Truck w/Plow | 72 | 7/8 | 185,000 | 75,000 | | 110,000 | | | |
| One-Ton Pick Up Truck w/Plow | 73 | 7/8 | 60,000 | 60,000 | | | | | |
| Hydrant Replacement Program | 74 | 8 | 375,000 | | 65,000 | 70,000 | 75,000 | 80,000 | 85,000 |
| Repair/Replace Water Mains and Services | 75 | 8 | 2,500,000 | | 100,000 | 1,100,000 | | 100,000 | 1,200,000 |
| Backhoe | 76 | 8 | 170,000 | | 170,000 | | | | |
| One Ton Dump Truck w/Plow | 77 | 8 | 190,000 | | 95,000 | | 95,000 | | |
| Assabet Hill Tank Rehabilitation & Site Work | 78 | 8 | 0 | | | TBD | | | |
| Collins Road Water Quality Improvements | 79 | 8 | 400,000 | | | 400,000 | | | |
| Brigham Street Water Quality Improvements | 80 | 8 | 400,000 | | | | 400,000 | | |
| Utility Tractor | 81 | 8 | 80,000 | | | | | | 80,000 |
| Water Enterprise Fund Subtotal | | | \$4,360,000 | \$135,000 | \$430,000 | \$1,680,000 | \$570,000 | \$180,000 | \$1,365,000 |
| TOTAL GENERAL GOVERNMENT (NON-SCHOOL) | | | | | | | | | |
| Fire Subtotal | | | \$8,424,000 | \$1,013,000 | \$80,000 | \$650,000 | \$6,000,000 | \$605,000 | \$76,000 |
| Police Subtotal | | | \$803,500 | \$246,000 | \$175,000 | \$85,000 | \$85,000 | \$85,000 | \$127,500 |
| Town Offices Subtotal | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Planning Dept Subtotal | | | \$130,000 | \$130,000 | \$0 | \$0 | \$0 | \$0 | \$0 |
| MIS/GIS Subtotal | | | \$100,000 | \$0 | \$0 | \$0 | \$100,000 | \$0 | \$0 |
| DPW: Highway/Parks/Cemetery Subtotal | | | \$5,060,000 | \$885,000 | \$1,480,000 | \$785,000 | \$1,205,000 | \$420,000 | \$285,000 |
| DPW: Sewer Enterprise Fund Subtotal | | | \$7,075,000 | \$1,500,000 | \$1,700,000 | \$875,000 | \$2,400,000 | \$400,000 | \$200,000 |
| DPW: Water Enterprise Fund Subtotal | | | \$4,360,000 | \$135,000 | \$430,000 | \$1,680,000 | \$570,000 | \$180,000 | \$1,365,000 |
| TOTAL GENERAL GOVERNMENT | | | \$25,952,500 | \$3,909,000 | \$3,865,000 | \$4,075,000 | \$10,360,000 | \$1,690,000 | \$2,053,500 |

**Town of Northborough
Capital Improvement Program Summary
Fiscal Years 2016-2021**

| PROJECTS BY DEPARTMENT | Page # | Source of Funds | Six-Year Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
|-------------------------------------------------|--------|-----------------|--------------------|------------------|-----------------|------------------|------------------|------------------|------------------|
| Northborough K-8 Public Schools | | | | | | | | | |
| Summary of School projects | | | | | | | | | |
| Peaslee Elementary | | | | | | | | | |
| **Floor Tile Replacement | 83 | 6 | 40,000 | | 40,000 | | | | |
| Parking Lot/Walkway Paving | 84 | 2/6 | 238,000 | | | 238,000 | | | |
| **Design / Fire & Sprinkler Systems | 85 | 2/3 | 480,000 | | | TBD | 480,000 | | |
| Feasibility Study | 86 | 2/3 | 500,000 | | | | | 500,000 | |
| Architectural Fees/Renv (est \$28.7m in FY2022) | 86 | 2/3 | TBD | | | | | | |
| Proctor Elementary | | | | | | | | | |
| Roof Repairs | 87 | 6 | 470,000 | 200,000 | | | 270,000 | | |
| Zeh Elementary | | | | | | | | | |
| Boiler Replacement | 88 | 6 | 350,000 | | | | | | 350,000 |
| Melican Middle School | | | | | | | | | |
| Walkway Paving | 89 | 2/6 | 115,000 | | | 115,000 | | | |
| Feasibility Study | 90 | 2/3 | 500,000 | | | | | | 500,000 |
| Architect Fees/Renovation (est TBD in FY2023) | 90 | 2/3 | TBD | | | | | | |
| Northborough K-8 Public Schools Subtotal | | | \$2,693,000 | \$200,000 | \$40,000 | \$353,000 | \$750,000 | \$500,000 | \$850,000 |

**If Peaslee School renovation projects does not move forward, these projects will need to be included in the capital plan for funding.

Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|---------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund |


Part II

Projects Detail Sheets by Department
FY2016-2021



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PROJECT DETAIL SHEET

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: ENGINE 2 REPLACEMENT | |
| Department: Fire | Category: |
| Description and Justification: This project seeks to replace the 1996 Engine 2. In 2016 the vehicle will be 20 years old and well beyond its expected useful life which is typically about 10 years for front-line service. The Insurance Services Office requires Northborough to maintain 3 pumping apparatus in order to sustain its ISO rating of 4, which residential and commercial fire insurance rates are based upon. Engine 2 is currently the back-up reserve pumper and carries the "Jaws of Life," has a 2,000 gallon portable water storage tank and extra hose for areas not served by municipal water supply. The 2005 Engine 1 will become the reserve back-up pumper once the new replacement is purchased and takes over as the new front-line pumper. |  |

RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 688,000 | 688,000 | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$688,000 | \$688,000 | | | | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

Project Title: **AMBULANCE REPLACEMENT**

Department: **Fire/EMS**

Category:

Description and Justification:

The Town operates an ambulance service, which is physically housed in the Fire Station at 11 Pierce Street. There are two ambulances associated with this service: the front line ambulance which was purchased in FY2012, and the 2008 back-up ambulance. This request proposes to replace the back-up 2008 ambulance in FY2016. The newest ambulance becomes the front-line responder and the older ambulance becomes the back-up. Typically, a new ambulance serves for about four years as a front-line responder and an additional four years as the back-up ambulance before being replaced. Purchase of new ambulances are funded entirely by EMS user fees. The planned, regularly scheduled replacement of emergency ambulances is critical to ensuring public safety.




RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 5 | 280,000 | 280,000 | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$280,000 | \$280,000 | | | | | |

Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: SELF-CONTAINED BREATHING APPARATUS (SCBA) BOTTLE REPLACEMENT | | | | | | | | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|-------------------------------------------------------------------------------------|---------|---------|---------|---------|------------------------|---------------|-----------------------------|--------------------------------|------------------------|-----------------|-----------------------|--------------------------------|
| Department: Fire | | | | Category: | | | | | | | | | | | | |
| Description and Justification: <p>This project seeks to replace 35 of the Department's 45-minute carbon composite self-contained breathing apparatus (SCBA) bottles . The existing bottles will have exhausted their 15-year useful life by FY2016, at which point they are rendered obsolete and unusable based on National Fire Protection Association, Occupational Safety and Health Administration and Federal Department of Transportation standards.</p> <p>A replacement schedule was developed and proposed in 2012 when the Department instituted a new inventory tracking system. An additional 30 SCBA bottles will reach the end of their useful life between 2016 and 2025, necessitating replacement. These purchases will be funded through the Department's operating budget, specifically, its capital budget line.</p> | | | |  | | | | | | | | | | | | |
| RECOMMENDED FINANCING | | | | | | | | | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | | | | | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 | | | | | | | | |
| A. Feasibility Study | | | | | | | | | | | | | | | | |
| B. Design | | | | | | | | | | | | | | | | |
| C. Land Acquisition | | | | | | | | | | | | | | | | |
| D. Construction | | | | | | | | | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | | | | | | | | | |
| F. Departmental Equipment | 6 | 45,000 | 45,000 | | | | | | | | | | | | | |
| G. Contingency | | | | | | | | | | | | | | | | |
| H. Other | | | | | | | | | | | | | | | | |
| TOTAL | | \$45,000 | \$45,000 | | | | | | | | | | | | | |
| <u>Source of Funds Legend</u> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">(1) Operating Revenues</td> <td style="width: 25%;">(3) State Aid</td> <td style="width: 25%;">(5) EMS Revolving Fund Fees</td> <td style="width: 25%;">(7) Sewer Enterprise Fund Fees</td> </tr> <tr> <td>(2) Municipal GO Bonds</td> <td>(4) Trust Funds</td> <td>(6) Free Cash / Other</td> <td>(8) Water Enterprise Fund Fees</td> </tr> </table> | | | | | | | | | (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | | | | | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | | | | | | | | | |

PROJECT DETAIL SHEET

Project Title: **PICK-UP TRUCK REPLACEMENT**

Department: **Fire**

Category:

Description and Justification:

This project seeks to replace a 2011, one-ton, four-wheel-drive crew cab pick-up truck. This vehicle is used to carry personnel, equipment and bulk supplies. It is also used for performing inspections and investigations, and will be six years old at the time of the requested replacement. This vehicle responds to over thirteen hundred emergency responses and over two thousand inspections, investigations and fire alarm service calls each year. This vehicle also serves as the department's primary tow vehicle for its various trailered equipment. Funding for the annual operating/maintenance costs associated with this vehicle is included in the Department's vehicle maintenance budget.




RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|-----------------|---------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 80,000 | | 80,000 | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$80,000 | | \$80,000 | | | | |


Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: FIRE STATION ADDITION/RENOVATION PROJECT (11 PIERCE STREET) | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|-------------------------------------------------------------------------------------|------------------|--------------------|---------|---------|
| Department: Fire/EMS | | | | Category: | | | | |
| Description and Justification: This project will provide for the renovation or relocation of the existing fire station. Built in 1974, the station's bathrooms, kitchens and dormitory spaces are in need of significant expansion. The roof membrane will be approaching nineteen years old, and the sewer connection is in need of improvement. Hose storage, maintenance and self-contained breathing apparatus maintenance areas are inadequate. Increased service demands on staff and equipment have resulted in increased fire suppression, prevention and emergency medical services that need to be provided to insure that the mission of the Town's fire services is met. Previously appropriated funds in the amount of \$75,000 will be used to complete a limited Feasibility Study to better define the proposed project location, design and cost estimates. | | | |  | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | 2 | 650,000 | | | 650,000 | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2 | 6,000,000 | | | | 6,000,000 | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$6,650,000 | | | \$650,000 | \$6,000,000 | | |
| Source of Funds Legend | | | | | | | | |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | |

PROJECT DETAIL SHEET

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: AMBULANCE REPLACEMENT | |
| Department: Fire/EMS | Category: |
| <u>Description and Justification:</u> <p>The Town operates an ambulance service, which is physically housed in the Fire Station at 11 Pierce Street. There are two ambulances associated with this service, a front line ambulance and a back-up ambulance. The newest ambulance operates as the front-line responder and the older ambulance serves as the back-up. Typically, a new ambulance serves for about 8 years as a front-line responder and an additional four years as the back-up ambulance before being replaced. This request seeks to replace the 2012 ambulance in FY2020, at which time the 2016 ambulance would become the back-up. Purchase of new ambulances are funded entirely by EMS user fees. The planned, regularly scheduled replacement of emergency ambulances is critical to ensuring public safety.</p> |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|---------|------------------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 5 | 315,000 | | | | | 315,000 | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$315,000 | | | | | \$315,000 | |


Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |


PROJECT DETAIL SHEET

| Project Title: SELF-CONTAINED BREATHING APPARATUS (SCBA) REPLACEMENT | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|-------------------------------------------------------------------------------------|---------|---------|------------------|---------|
| Department: Fire | | | | Category: | | | | |
| Description and Justification: The request will replace the Department's 35 self-contained breathing apparatus (SCBA) units. These units provide a firefighter with breathing air, low air alarms, buddy breathing capabilities, man down warning device features, PAK-Tracker locator, face piece and voice emitter. The units are worn by firefighters during fires, hazardous materials incidents, carbon monoxide incidents and would be crucial in a weapons of mass destruction attack. The current units have been upgraded three times to the National Fire Protection Association (NFPA) standard. The units will range from 19 to 27 years old by FY2020, and will be well past their useful life. SCBA units must conform to NFPA and OSHA standards specifications. One SCBA unit is required for each seating position on the respective fire apparatus along with a spare SCBA air bottle. | | | |  | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 290,000 | | | | | 290,000 | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$290,000 | | | | | \$290,000 | |
| Source of Funds Legend | | | | | | | | |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | |


PROJECT DETAIL SHEET

| Project Title: CAR ONE REPLACEMENT | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|-------------------------------------------------------------------------------------|---------|---------|---------|-----------------|
| Department: Fire | | | | Category: 2 | | | | |
| Description and Justification: This request will replace the 2015 Chevy Tahoe command/communications vehicle which is a critical component of the Incident Command System. The vehicle carries vital communications equipment; contingency and emergency plans for facilities; chemical, firefighting, terrorism, and firefighting references; the tactical command board; command vests; and fire investigation tools. The vehicle will have served its frontline life span at the time of replacement. As in the past, the replacement vehicle will be a four-wheel drive sport utility vehicle useful during wildfires and weather-related emergencies. Cost includes emergency warning devices, radios, command console, lettering and related installation charges. The command/communications vehicle provides vital communications and reference resources necessary to effective incident command. | | | |  | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 76,000 | | | | | | 76,000 |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$76,000 | | | | | | \$76,000 |
| Source of Funds Legend (1) Operating Revenues (3) State Aid (5) EMS Revolving Fund Fees (7) Sewer Enterprise Fund Fees (2) Municipal GO Bonds (4) Trust Funds (6) Free Cash / Other (8) Water Enterprise Fund Fees | | | | | | | | |

PROJECT DETAIL SHEET

| Project Title: POLICE CRUISER REPLACEMENT | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|------------------|
| Department: Police | | | | Category: | | | | |
| Description and Justification: This request seeks to replace police vehicles on the following schedule: two detective vehicles in FY2016; two patrol vehicles in FY2017, FY2018 and FY2019; one patrol vehicle and one administrative vehicle in FY2020; and two patrol vehicles and an administrative vehicle in FY2021. The patrol vehicles are typically used for four years/100,000 miles, while detective and administrative vehicles have about an 8-year/100,000 expected useful life. Funding sought in FY2016 will provide for the purchase of two new Ford Escape SUVs which will replace a 2007 Ford Explorer SUV and a 2008 Ford Expedition SUV. Included in the funding request is the cost of outfitting the vehicles with equipment, including mobile data terminals. | | | |  | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 552,500 | 85,000 | 85,000 | 85,000 | 85,000 | 85,000 | 127,500 |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$552,500 | \$85,000 | \$85,000 | \$85,000 | \$85,000 | \$85,000 | \$127,500 |
| Source of Funds Legend | | | | | | | | |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | |

PROJECT DETAIL SHEET

| Project Title: COMMUNICATIONS DISPATCH CONSOLE | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|-------------------------------------------------------------------------------------|---------|---------|---------|---------|
| Department: Police/Fire/DPW | | | | Category: | | | | |
| <u>Description and Justification:</u> The existing two-position, analog-based public safety dispatch console, installed in 1989, but of older design, and is experiencing significant maintenance issues. There is no additional space available for needed expansion, which has resulted in a "cobbled" system of critical two-way radios and computer equipment. Some components are no longer manufactured, requiring innovative attempts to keep essential components operational. All police, fire, emergency medical services and public works personnel and equipment are dispatched from the Town's public safety dispatch center, located within the Police Department at 211 Main Street. Post 9/11 attempts at interoperability are hampered by an infrastructure designed in pre-computer times. This essential equipment is relied upon and expected to be fully operational on a 24/7 basis. | | | |  | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 2/6 | 161,000 | 161,000 | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$161,000 | \$161,000 | | | | | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | |
| (2) Municipal GO Bonds | | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | |

PROJECT DETAIL SHEET

Project Title: **POLICE STATION ROOF REPLACEMENT**

Department: **Police**

Category:

Description and Justification:

The Police Station roof is original to the building at 211 Main Street, which was constructed in 1989. Some shingles have been compromised and lichens have infiltrated significant areas of the north face of the roof. A 2009 professional assessment was performed which indicated the roof to be in "fair" condition but nearing the end of its useful life. According to that review, a new asphalt shingle roof was estimated to cost \$80,000 and expected to last approximately 25 years, while a new metal roof was estimated to cost \$150,000 with an expected life of fifty years. At this time, a replacement asphalt roof is being included in the CIP for FY2017. As with all public sector building projects the Town is required to pay the State-mandated "prevailing wage" for all labor on this project.



211 MAIN STREET


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|-----------------|---------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2/6 | 90,000 | | 90,000 | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$90,000 | | \$90,000 | | | | |

Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: TOWN OFFICES BUILDING REPAIR PROJECT PHASE 2 | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|------------|-------------------------------------------------------------------------------------|---------|---------|---------|
| Department: Town Administrator | | | | | Category: | | | |
| Description and Justification: During FY2010 the Town used Community Preservation funding to complete an analysis of the general physical conditions and maintenance requirements of the Town Offices Building. The architectural and engineering study noted that expenses related to maintaining the aging plumbing system in the building were likely to increase as the aging pipes and fixtures continue to experience failures. The report recommends upgrading most of the piping in the building, much of which is located behind walls. Additionally, the report recommended completely overhauling all of the restrooms in the building to comply with standards under the Americans with Disabilities Act as well as further review of the building's sanitary sewer system. These upgrades are being considered as part of an assessment of the overall office space needs/potential reconfiguration of the Town Offices that is currently under review by an architect. Recommendations, a work plan and funding request are expected to be further developed and presented during FY2016. | | | | |  | | | |
| | | | | | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | 2/6 | TBD | | TBD | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | TBD | | TBD | | | | |
| Source of Funds Legend (1) Operating Revenues (3) State Aid (5) EMS Revolving Fund Fees (7) Sewer Enterprise Fund Fees (2) Municipal GO Bonds (4) Trust Funds (6) Free Cash / Other (8) Water Enterprise Fund Fees | | | | | | | | |

PROJECT DETAIL SHEET

Project Title: TOWN OFFICES BUILDING REPAIR PROJECT PHASE 3

Department: Town Administrator

Category:

Description and Justification:

During FY2010 the Town used Community Preservation funding to complete an analysis of the general physical conditions and maintenance requirements of the Town Offices Building. The architectural and engineering study noted a number of electrical deficiencies in the building and recommended the following: electrical panel upgrades, elevator upgrades, enhancement of emergency egress lighting, improvements to exterior lighting and replacement of the building's aging generator. Additional review of the existing fire alarm panel was also recommended. . These upgrades are being considered as part of an assessment of the overall office space needs/potential reconfiguration of the Town Offices that is currently under review by an architect. Recommendations, a work plan and funding request are expected to be further developed and presented during FY2016.



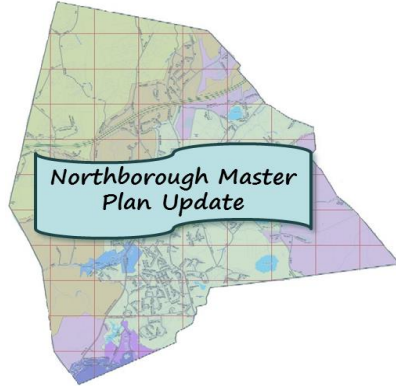
RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|------------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | 2/6 | TBD | | | TBD | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | TBD | | | TBD | | | |


Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: MASTER PLAN UPDATE | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------|---------|---------|
| Department: Planning Department | | | | Category: | | | | |
| <u>Description and Justification:</u> The last update of the Master Plan was completed in November 1997. Prior to that, the Plan was updated in 1988. If the project is successfully funded in 2016, it will be approximately a twenty-year time frame since the last update. Given this time span, the changes in the economy, and the modifications to the built environment, it is necessary for a comprehensive approach for this Town-wide planning document. The Master Plan will include the Town's vision & goals and analysis of the demographics, growth trends, land use & zoning, economic development, housing, open space & recreation, transportation, municipal facilities & services, natural resources and implementation program. A Master Plan is a necessary land use planning tool. | | | |  <p style="font-size: small;">Northborough Master Plan Update</p> | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | 6 | 130,000 | 130,000 | | | | | |
| TOTAL | | \$130,000 | \$130,000 | | | | | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | | (3) State Aid | | (5) EMS Revolving Fund Fees | | (7) Sewer Enterprise Fund Fees | | |
| (2) Municipal GO Bonds | | (4) Trust Funds | | (6) Free Cash / Other | | (8) Water Enterprise Fund Fees | | |

PROJECT DETAIL SHEET

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: GIS AERIAL PHOTOGRAPHY | |
| Department: MIS/GIS | Category: |
| Description and Justification: The Town first obtained aerial photography in 1997 and then updated it 2008. In 2019 a new aerial photography project is planned to update the Town's GIS with all development activity occurring in the previous 10 years. This project will obtain new photogrammetry and update the Town's planimetric (buildings, pavement, utilities and other features visible from the air) and topographic data (elevation data in the form of 2' contours and spot elevations). |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|------------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | 6 | 100,000 | | | | 100,000 | | |
| TOTAL | | \$100,000 | | | | \$100,000 | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Project Title: OTIS STREET CULVERT REPLACEMENT | |
| Department: DPW - Highway | Category: 1A |
| Description and Justification: <p>This request funds the replacement of the Otis Street culvert over the Smith Pond outlet. This structure provides a critical link between Route 20 to the northwest and Route 9 to the south. The current structure was deemed to be unsafe due to deficiencies identified by a structural engineer in the summer of 2014. During FY2015 Town Meeting appropriated \$110,000 for the requisite engineering and design work. The design was completed in 2014 and the project bid out in February of 2015. This project requests \$325,000 to fund the actual demolition and construction of the replacement culvert and related roadway improvements. It is anticipated that the work will begin as soon as weather and water flows through the culvert permit with a completion date in the fall of 2015. It is recommended that this project be financed using available funds (Free Cash), so that there will be no delays associated with the issuance of debt.</p> | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 6 | 325,000 | 325,000 | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$325,000 | \$325,000 | | | | | |


Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |


PROJECT DETAIL SHEET

| Project Title: ROADSIDE MOWER | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|-------------------------------------------------------------------------------------|--------------------------------|---------|---------|---------|
| Department: DPW - Highway | | | | Category: 2B | | | | |
| <u>Description and Justification:</u> <p>This request replaces the existing 2000 John Deere tractor with a side boom mower and articulating arm which is at the end of its useful life and needs to be replaced. This mower is used to cut back brush along the edges of the roadway. The replacement tractor will be slightly larger than the tractor originally purchased, which is small for the large mower attachment. There has been an ongoing safety problem with the side windshield being shattered by the brush being cut. An appropriately sized tractor would sit up higher, above the cutting zone, which would preclude the branches and shrubs from flying back at the windshield. The picture to the right is of an example of the tractor and mower that would be purchased.</p> | | | |  | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 130,000 | 130,000 | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$130,000 | \$130,000 | | | | | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | | (3) State Aid | (5) EMS Revolving Fund Fees | | (7) Sewer Enterprise Fund Fees | | | |
| (2) Municipal GO Bonds | | (4) Trust Funds | (6) Free Cash / Other | | (8) Water Enterprise Fund Fees | | | |

PROJECT DETAIL SHEET

| Project Title: ONE-TON DUMP TRUCK WITH PLOW | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|---------|-------------------------------------------------------------------------------------|---------|------------------|---------|
| Department: DPW - Highway | | | | | Category: 2B | | | |
| <u>Description and Justification:</u> <p>This request seeks to replace existing one-ton dump trucks with similar model trucks. The one-ton dumps are the most used equipment in the DPW fleet. The Public Works employees use these vehicles to perform their everyday tasks including moving materials and equipment that is carried and towed by these vehicles. These trucks are also paired with large 6-wheel dump trucks to perform snow removal. The useful life of these vehicles is 10 to 12 years, the existing trucks are model years 2000, 2006 and 2008 and will be at least 12 years old when they are replaced. The 2000 truck picture to the right is scheduled for replacement in FY2016.</p> | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 300,000 | 90,000 | | 100,000 | | 110,000 | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$300,000 | \$90,000 | | \$100,000 | | \$110,000 | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | |

PROJECT DETAIL SHEET

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Project Title: ONE-TON PICKUP TRUCK WITH PLOW | |
| Department: DPW - Highway | Category: 2B |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><u>Description and Justification:</u></p> <p>This request seeks to replace an existing 1996 vehicle which is one of three one-ton pickup trucks used by the DPW. The pickups are the most used equipment in the fleet. The Public Works employees use these vehicles to perform their everyday tasks including moving materials and equipment that is carried and towed by these vehicles. These trucks are also paired with large 6-wheel dump trucks to perform snow removal. The useful life of these vehicles is typically 10 to 12 years. The picture to the right represents a similar new model pickup truck.</p> </div> <div style="width: 35%; text-align: center;">  </div> </div> | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|-----------------|---------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 60,000 | 60,000 | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | | \$60,000 | \$60,000 | | | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: BACKHOE | |
| Department: DPW - Highway | Category: 2B |
| <u>Description and Justification:</u> <p>This request is to replace a 2005 model backhoe that is used by the Highway Division. This backhoe is used for drainage and roadway repairs, plowing of streets throughout Town and digging graves in the cemeteries. The long reach of a backhoe is necessary to properly excavate (repair, maintain and install) drain pipes and structures (catch basins, manholes, culverts, swales, etc.) throughout Town. The useful life of these vehicles is 10 to 12 years, the existing backhoe is a 2005 model year and will be at least 11 years old when it is replaced. The picture to the right represents an example of new similar model backhoe and the cost is net of an anticipated trade-in value for the 2005 model of approximately \$15,000.</p> |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 145,000 | 145,000 | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$145,000 | \$145,000 | | | | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: MINI EXCAVATOR | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|-------------------------------------------------------------------------------------|---------|--------------------------------|---------|---------|
| Department: DPW - Highway | | | | Category: 2B | | | | |
| <u>Description and Justification:</u> <p>This request is for a mini excavator to be used by the DPW crew at the cemetery and for various road projects (e.g. drainage projects) throughout Town. As more of the cemetery land is used, it becomes difficult to maneuver the larger backhoe between the graves and the Town must rent the equipment on a regular basis. The mini excavator would also be useful to the highway division staff in dealing with maintaining and installing drains (catch basins, manholes, culverts, swales, etc.) that are inaccessible by the larger machines (backhoes). The picture to the right represents an example of a new mini-excavator which will be a new addition to the equipment fleet.</p> | | | |  | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 85,000 | 85,000 | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$85,000 | \$85,000 | | | | | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | | (3) State Aid | | (5) EMS Revolving Fund Fees | | (7) Sewer Enterprise Fund Fees | | |
| (2) Municipal GO Bonds | | (4) Trust Funds | | (6) Free Cash / Other | | (8) Water Enterprise Fund Fees | | |

PROJECT DETAIL SHEET

Project Title: **ELLSWORTH-MCAFEE PARK GAZEBO REPLACEMENT & PAVILION REPAIR**

Department: **DPW - Highway**

Category: **2B**

Description and Justification:

This request seeks to fund the replacement of the 1993 gazebo and repair the pavilion structure at the Ellsworth-McAfee Park on Route 135. The gazebo was originally built by students from Assabet Valley Technical High School and they have agreed to provide the labor to rebuild the structure at no cost if the Town provides the materials. Students from Assabet will also make repairs to the pavilion structure including installation of a new roof, siding and ceiling repairs. The funding request is to provide materials and any related disposal costs associated with the proposed work.




RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 50,000 | 50,000 | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$50,000 | \$50,000 | | | | | |


Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: CHURCH STREET CULVERT REPLACEMENT | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|--------------------|-------------------------------------------------------------------------------------|---------|---------|---------|
| Department: DPW - Highway | | | | | Category: 2 | | | |
| <u>Description and Justification:</u> This request is to fund the replacement of the Church Street culvert over Cold Harbor Brook. This structure provides a critical link between major routes such as Route 20 to the south and I-290 to the north. The current structure is in fair condition but the granite support under the sidewalk has severely cracked. Part of this project includes a widening of this portion of Church Street to accommodate an extra lane of traffic approaching the Route 20 intersection. Results of an engineering study completed in FY13 recommended temporary bracing of the structure until such time that a permanent replacement is implemented. Although the Town attempted to get the project included as part of the downtown traffic improvements, MassDOT declined the request citing this portion of the roadway as the Town's responsibility. As part of this project, the Town will investigate historical design enhancements. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2 | 1,100,000 | | 1,100,000 | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$1,100,000 | | \$1,100,000 | | | | |
| <u>Source of Funds Legend</u> (1) Operating Revenues (3) State Aid (5) EMS Revolving Fund Fees (7) Sewer Enterprise Fund Fees (2) Municipal GO Bonds (4) Trust Funds (6) Free Cash / Other (8) Water Enterprise Fund Fees | | | | | | | | |

PROJECT DETAIL SHEET

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Project Title: SIX-WHEEL DUMP TRUCK WITH SPREADER & PLOW | |
| Department: DPW - Highway | Category: 2 |
| Description and Justification: <p>This request seeks to replace a 1994 International truck with a dump truck with a plow and spreader in FY2017. This truck has long surpassed its useful life expectancy of about 15 to 20 years. Due to the caustic nature of the salt and chemical additives used in snow removal operations, the metal bodies of these vehicles disintegrate much sooner than the total number of hours or miles would typically indicate, in spite of being washed after every salting event. The picture to the right represents an example of a similar 6-wheel dump truck. The Town currently has ten large six-wheel dump trucks with plows in service and will seek to replace an additional vehicle in each of the years FY2018 and FY2019.</p> | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|------------------|------------------|------------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 645,000 | | 215,000 | 215,000 | 215,000 | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$645,000 | | \$215,000 | \$215,000 | \$215,000 | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Project Title: SIDEWALK MACHINE | |
| Department: DPW - Highway | Category: |
| Description and Justification: <p>This request is to replace an existing 2002 sidewalk machine. This vehicle will supplement the Town's newer (2012) sidewalk machine. These vehicles are used to clear snow from various sidewalks throughout Town. As these machines age, they are prone to repeated breakdowns during heavy use and can be expected to experience increased down-time. The sidewalk machine is exposed to many different environments including corrosive materials which cause disintegration of the Public Works equipment. As the equipment ages, it requires additional mechanical and body work to keep it operational. Sidewalk machines are expected to last approximately 10 years.</p> | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|------------------|---------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 2/6 | 165,000 | | 165,000 | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$165,000 | | \$165,000 | | | | |

Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

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| Project Title: ASSABET PARK RETAINING WALL RECONSTRUCTION | |
| Department: DPW - HIGHWAY | Category: 2B |
| Description and Justification: This request seeks to fund the design and reconstruction of the concrete block retaining wall at Assabet Park. This wall is currently in poor condition. Portions of the wall that are 'bowed' as a result of stress and pressures from the force of the embankment behind the wall are likely to further deteriorate, if unaddressed. |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|------------------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2 | 100,000 | | | 100,000 | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$100,000 | | | \$100,000 | | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: MEMORIAL FIELD PARKING LOT WALL & STAIRS RECONSTRUCTION | |
| Department: DPW - Highway | Category: 2B |
| Description and Justification: This request seeks to fund the design and construction of improvements to the spectator access and viewing area adjacent to the Memorial Field parking area. Currently the stairs are constructed of pressure-treated landscape timbers that are in poor condition and are becoming a danger to the users and spectators of the fields. Erosion has caused exposed gravel areas that also pose a risk when spectators access the fields from the parking lot. Proper spectator access, grading, loaming and seeding is required to improve this area. |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|------------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 6 | TBD | | | TBD | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | TBD | | | TBD | | | |


Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |


PROJECT DETAIL SHEET

| Project Title: STREET SWEEPER | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|---------|-------------------------------------------------------------------------------------|---------|---------|------------------|
| Department: DPW - Highway | | | | | Category: | | | |
| <u>Description and Justification:</u> This request is to replace the 2007 Elgin Pelican street sweeper in FY2018 and the 2011 model in FY2021. The useful life of a sweeper is approximately 10 years. As it ages the repairs become more costly. Using the department's two sweepers, it takes staff approximately 10 weeks to sweep the entire Town between early March and late June. If one sweeper were to go down, it would take the remaining sweeper into Fall to do it alone. Renting sweepers has not been feasible because every town needs to sweep at the same time. Additionally, the new National Pollutant Discharge Elimination Systems (NPDES) permit may require an increase in sweeping cycles. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 2/6 | 410,000 | | | 200,000 | | | 210,000 |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$410,000 | | | \$200,000 | | | \$210,000 |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | | (3) State Aid | (5) EMS Revolving Fund Fees | | (7) Sewer Enterprise Fund Fees | | | |
| (2) Municipal GO Bonds | | (4) Trust Funds | (6) Free Cash / Other | | (8) Water Enterprise Fund Fees | | | |

PROJECT DETAIL SHEET

| Project Title: ONE TON TRUCK WITH CHIP BODY & PLOW | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|---------|-------------------------------------------------------------------------------------|---------|---------|---------|
| Department: DPW - Highway | | | | | Category: | | | |
| <u>Description and Justification:</u> This request replaces an existing 2006 one-ton cab and chassis truck with a chip body. The truck is used to tow the chipper and leaf vacuum to perform regular maintenance and cleanup at all the Town-owned parks and properties. This truck will also have a plow to aid in snow removal operations. The picture to the right represents a similar new model chip body mounted on a cab and chassis. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 120,000 | | | 120,000 | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$120,000 | | | \$120,000 | | | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | |

PROJECT DETAIL SHEET

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Project Title: MEMORIAL FIELD BUILDING IMPROVEMENTS | |
| Department: DPW - Highway | Category: 2B |
| Description and Justification: This request seeks to fund the rehabilitation of the building at Memorial Field. Overall the building has suffered damage through weathering as well as hits from foul balls. The vinyl siding and trim needs to be replaced with cement-board siding and new exterior doors are needed to properly secure the facility. | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|-----------------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 6 | 50,000 | | | 50,000 | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$50,000 | | | \$50,000 | | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: PLEASANT STREET CULVERT REPLACEMENT | |
| Department: DPW - Highway | Category: 2B |
| Description and Justification: This request is to fund the replacement of the Pleasant Street culvert near Church Street. The current 24" corrugated metal pipe is in poor condition and needs to be replaced. The bottom of the pipe is completely missing due to corrosion. |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|------------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2/6 | 150,000 | | | | 150,000 | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$150,000 | | | | \$150,000 | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Project Title: FISHER STREET CULVERT REPLACEMENT | |
| Department: DPW - Highway | Category: 2B |
| Description and Justification: <p>This request is to fund the replacement of the Fisher Street culvert over Cold Harbor Brook. The current superstructure (structural support and decking) is in poor condition and needs to be replaced. The webbing of the steel support beams are rotted and the guardrails are in need of replacement.</p> | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|------------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2/6 | 500,000 | | | | 500,000 | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$500,000 | | | | \$500,000 | | |

Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Project Title: HUDSON STREET DRAINAGE IMPROVEMENTS | |
| Department: DPW - Highway | Category: 2B |
| Description and Justification: <p>This request is to fund portions of the replacement of the underground drainage system on Hudson Street near Solomon Pond Road. Approximately 600 linear feet of the corrugated metal pipe drain system under Hudson Street is corroded causing failures in the roadway.</p> | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|------------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2/6 | 200,000 | | | | 200,000 | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$200,000 | | | | \$200,000 | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Project Title: STUMP GRINDER | |
| Department: DPW - Highway | Category: |
| Description and Justification: This request is to replace the Department's 1996 Vermeer stump grinder. This piece of equipment is used to grind the stumps flush after tree removal. The picture to the right represents an example of a new stump grinder. | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|-----------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 55,000 | | | | 55,000 | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$55,000 | | | | \$55,000 | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Project Title: CHIPPER | |
| Department: DPW - Highway | Category: 2B |
| Description and Justification: <p>This request is to replace the Department's 2009 Brush Bandit Chipper. This piece of equipment is used to chip all limbs and trees throughout the Town including Christmas Trees and brush brought to the garage by the residents. The picture to the right represents an example of a new replacement chipper.</p> | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|-----------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 85,000 | | | | 85,000 | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$85,000 | | | | \$85,000 | | |


Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |


PROJECT DETAIL SHEET

| Project Title: HIGHWAY GARAGE RENOVATION /EXPANSION | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|--------------------------------|---------|------------|
| Department: DPW - Highway | | | | | Category: | | | |
| <u>Description and Justification:</u> This request seeks to fund the design and construction of renovations to the Highway Garage. The existing garage was built in 1984 and no longer meets the needs of the DPW. The Engineering firm Weston and Sampson recently expanded upon their 2006 feasibility study to prepare a master site plan. This study analyzed the operations and assessed the condition of the existing building to identify the most cost effective and efficient renovations and additions required to meet the needs of a consolidated DPW. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | 2 | TBD | | | | TBD | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2 | TBD | | | | | | TBD |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | TBD | | | | TBD | | TBD |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | | (3) State Aid | | (5) EMS Revolving Fund Fees | | (7) Sewer Enterprise Fund Fees | | |
| (2) Municipal GO Bonds | | (4) Trust Funds | | (6) Free Cash / Other | | (8) Water Enterprise Fund Fees | | |


PROJECT DETAIL SHEET

| Project Title: LOADER | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|--------------------------------|------------------|---------|
| Department: DPW - Highway | | | | | Category: | | | |
| <u>Description and Justification:</u> This request is to replace the 2006 John Deere loader with a newer model. At the Public Works Garage, the loader is regularly used to transfer materials, rotate the compost piles and load the spreaders with salt for snow removal operations. Off-site, it is used throughout town on various construction projects as well as during snow removal operations. The loader is exposed to many different environments including corrosive materials which cause disintegration of the Public Works equipment. As the equipment ages, it requires additional mechanical and body work to keep it operational. The picture to the right represents an example of a new loader. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 2/6 | 230,000 | | | | | 230,000 | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$230,000 | | | | | \$230,000 | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | | (3) State Aid | | (5) EMS Revolving Fund Fees | | (7) Sewer Enterprise Fund Fees | | |
| (2) Municipal GO Bonds | | (4) Trust Funds | | (6) Free Cash / Other | | (8) Water Enterprise Fund Fees | | |

PROJECT DETAIL SHEET

| Project Title: SKID STEER | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|---------|-------------------------------------------------------------------------------------|---------|-----------------|---------|
| Department: DPW - Highway | | | | | Category: | | | |
| <u>Description and Justification:</u> This request is to replace a 2006 John Deere skid steer. This piece of equipment is used regularly by the Highway Division on various roadway projects throughout Town. It is a multi-purpose vehicle with multiple attachments including a broom, road cutting saw, forks, etc. This is also used during seasonal maintenance (mulch, etc.) at various parks and municipal buildings. The picture to the right represents an example of a new skid steer. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 80,000 | | | | | 80,000 | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$80,000 | | | | | \$80,000 | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | |

PROJECT DETAIL SHEET

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: WING MOWER REPLACEMENT | |
| Department: DPW - Highway | Category: 2B |
| Description and Justification: This request is to replace the 2013 John Deere large area mower with a newer model. This mower is used at all the large, town-owned fields including the fields at the elementary and middle schools as well as the cemetery. This is the only wide area mower in the current Public Works fleet. The picture to the right represents an example of a new replacement mower. |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|---------|---------|-----------------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 6 | 75,000 | | | | | | 75,000 |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$75,000 | | | | | | \$75,000 |


Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |


PROJECT DETAIL SHEET

| Project Title: HUDSON STREET SEWER PUMP STATION IMPROVEMENTS | | | | | | | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|-------------------------------------------------------------------------------------|---------|---------|---------|---------|------------------------|---------------|-----------------------------|--------------------------------|------------------------|-----------------|-----------------------|--------------------------------|
| Department: Sewer Enterprise | | | | Category: 1B | | | | | | | | | | | | |
| <u>Description and Justification:</u> This request is to fund the construction of improvements to the Hudson Street Sewer Pump Station. This station receives and subsequently meters and discharges nearly all of the Town's sewage to the Marlborough Westerly Treatment Plant. The station is over 35 years old (c. 1977) and is in need of new, energy efficient pumps, gas monitoring/ejection system, new controls and emergency generator. Upgrades to this pump station are in line with the recommended priorities listed in the 2007 Comprehensive Wastewater Management Plan (CWMP). The April 2014 Town Meeting approved \$150,000 for the design and engineering of the pump station and the project has since been fully designed and bid out. The FY2016 funding request is what is needed to perform the improvements as bid. The project will be financed through bonds and the debt service paid from sewer user fees. | | | |  | | | | | | | | | | | | |
| RECOMMENDED FINANCING | | | | | | | | | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | | | | | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 | | | | | | | | |
| A. Feasibility Study | | | | | | | | | | | | | | | | |
| B. Design | | | | | | | | | | | | | | | | |
| C. Land Acquisition | | | | | | | | | | | | | | | | |
| D. Construction | 7 | 1,500,000 | 1,500,000 | | | | | | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | | | | | | | | | |
| F. Departmental Equipment | | | | | | | | | | | | | | | | |
| G. Contingency | | | | | | | | | | | | | | | | |
| H. Other | | | | | | | | | | | | | | | | |
| TOTAL | | \$1,500,000 | \$1,500,000 | | | | | | | | | | | | | |
| <u>Source of Funds Legend</u> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">(1) Operating Revenues</td> <td style="width: 25%;">(3) State Aid</td> <td style="width: 25%;">(5) EMS Revolving Fund Fees</td> <td style="width: 25%;">(7) Sewer Enterprise Fund Fees</td> </tr> <tr> <td>(2) Municipal GO Bonds</td> <td>(4) Trust Funds</td> <td>(6) Free Cash / Other</td> <td>(8) Water Enterprise Fund Fees</td> </tr> </table> | | | | | | | | | (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | | | | | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | | | | | | | | | |

PROJECT DETAIL SHEET

| Project Title: TOWN HALL SEWER PUMP STATION IMPROVEMENTS | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|-------------------------------------------------------------------------------------|---------|---------|---------|---------|
| Department: Sewer Enterprise | | | | Category: | | | | |
| Description and Justification: This request is to fund the design and construction of improvements to the Town Hall Sewer Pump Station. This station was constructed in 1982. It receives sewage from the Town Hall as well as Centre Drive and discharges it to the gravity system in Hudson Street. This station is not adequately accessible by the staff to inspect, has confined space entry limitations and is in need of new energy efficient pumps, control system, stairs, roof, etc. The station currently has no pump failure alarm system and no backup power. | | | |  | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 7 | 350,000 | | 350,000 | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$350,000 | | \$350,000 | | | | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | |

PROJECT DETAIL SHEET

| Project Title: WEST MAIN STREET SEWER PUMP STATION IMPROVEMENTS | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|------------------|-------------------------------------------------------------------------------------|---------|---------|---------|
| Department: Sewer Enterprise | | | | | Category: | | | |
| <u>Description and Justification:</u> This request is to fund the design and construction of improvements to the West Main Street Sewer Pump Station located adjacent to the United States Post Office on West Main Street. This station was built in 1996. It receives sewage from all the restaurants in and around West Main Street as well as the assisted living facility and the Lincoln Street Sewer Pump Station. Because of its location it receives a great deal of Fats, Oils and Grease (FOG) which causes the pumps to clog and therefor trigger alarms and subsequent staff response. The alarm/notification system and pumps are in need of upgrading to more efficient & effective systems. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 7 | 350,000 | | 350,000 | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$350,000 | | \$350,000 | | | | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | |

PROJECT DETAIL SHEET

Project Title: **SCADA SYSTEM**

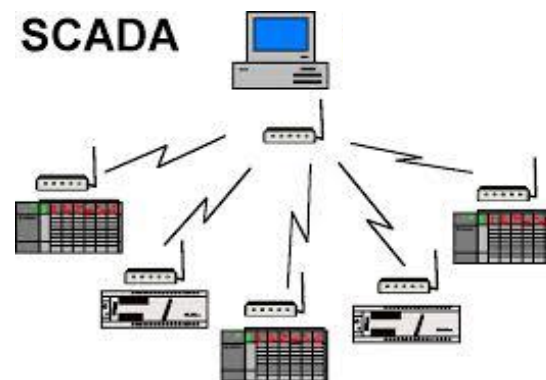
Department: **Sewer Enterprise**

Category:

Description and Justification:

A fully encompassing SCADA (Supervisory Control And Data Acquisition) system is needed to monitor and efficiently manage the Town's sewer infrastructure. Remote features to ensure adequate alarm response is critical to the health and well-being of the residents. Currently, the pump stations are not technologically connected to a main point of contact/computer. Alarms that are received are simply 'general' in nature and do not alert the on-call responder to the potential issue - creating a delay in adequate and proper mitigation. This project consists of two phases. Phase 1 (in FY2015) is a needs assessment and design; while Phase 2 (in FY2017) will consist of the construction and implementation of the system. The picture to the right is an example of how an SCADA system communicates to a main point of contact.

The estimated \$50,000 required for the needs assessment and design portion of this project is accounted for in the FY2015 Sewer Enterprise Fund budget.



RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|------------------|---------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 7 | 500,000 | | 500,000 | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$500,000 | | \$500,000 | | | | |

Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

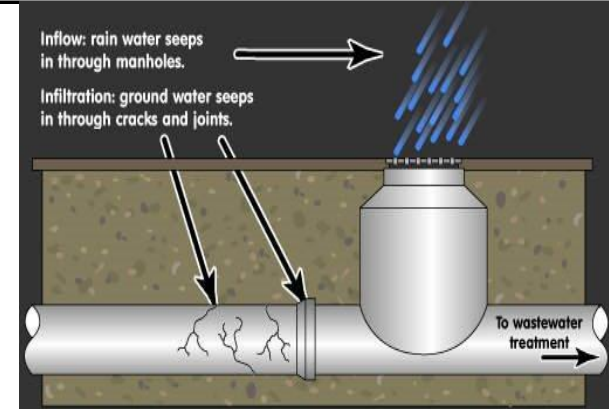
Project Title: **INFLOW AND INFILTRATION (I&I)**

Department: **Sewer Enterprise**

Category: **3D**

Description and Justification:

This request is to fund a study to determine inflow and infiltration (I&I) into the Town's sanitary sewer system. This inflow is from flowing stormwater and runoff making its way into manhole covers and grates. Inflow is the seeping of groundwater into the system through pipe connections, cracks in the manholes or other small openings in the system below grade. Identifying and mitigating this I&I greatly reduces the volumes of 'clean' water sent to the waste water treatment plant for processing.




RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|------------------|---------|---------|------------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | 7 | 500,000 | | 500,000 | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 7 | TBD | | | | | TBD | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$500,000 | | \$500,000 | | | TDB | |


Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: VACUUM/JETTER | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|--------------------------------|---------|---------|
| Department: Sewer Enterprise | | | | | Category: 2B | | | |
| <u>Description and Justification:</u> After further consideration of the small, trailer mounted unit (funded FY2015) and its limited capabilities, we are evaluating the potential outsourcing of the routine maintenance (jetting /cleaning) of the sanitary sewer system and emergency responses. This evaluation may find that the contracted services are either not cost effective or that the services are unable to respond in a timely manner or simply not able to adequately suit our needs. Therefore, we may need to purchase a larger, more capable truck vacuum/jetter to serve the Town's needs. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 7 | 300,000 | | | 300,000 | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$300,000 | | | \$300,000 | | | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | | (3) State Aid | | (5) EMS Revolving Fund Fees | | (7) Sewer Enterprise Fund Fees | | |
| (2) Municipal GO Bonds | | (4) Trust Funds | | (6) Free Cash / Other | | (8) Water Enterprise Fund Fees | | |

PROJECT DETAIL SHEET

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Project Title: SEWER EXTENSION - PHASE I | |
| Department: Sewer Enterprise | Category: 3D |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><u>Description and Justification:</u></p> <p>This request is to design and construct an extension of the municipal sewer system in accordance with recommendations made in the 2007 Comprehensive Wastewater Management Plan (CWMP). The CWMP referenced sewer extensions in various areas of Town. These areas are currently under further review to verify specific septic failure rates, soil conditions and potential cost impacts of installing the sewers versus the cost of septic system replacement.</p> </div> <div style="width: 35%; text-align: center;">  </div> </div> | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|------------------|--------------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | 7 | 175,000 | | | 175,000 | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 7 | 2,000,000 | | | | 2,000,000 | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$2,175,000 | | | \$175,000 | \$2,000,000 | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: FORBES ROAD SEWER PUMP STATION IMPROVEMENTS | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|---------|-------------------------------------------------------------------------------------|---------|---------|---------|
| Department: Sewer Enterprise | | | | | Category: | | | |
| <u>Description and Justification:</u> This request is to fund the design and construction of improvements to the Forbes Road Sewer Pump Station. This station receives sewage from the industrial businesses in the Whitney Street area. This station dates back to 1978. The alarm/notification system and pumps are in need of upgrading to more efficient & effective systems. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 7 | 400,000 | | | 400,000 | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$400,000 | | | \$400,000 | | | |
| <u>Source of Funds Legend</u> (1) Operating Revenues (3) State Aid (5) EMS Revolving Fund Fees (7) Sewer Enterprise Fund Fees (2) Municipal GO Bonds (4) Trust Funds (6) Free Cash / Other (8) Water Enterprise Fund Fees | | | | | | | | |

PROJECT DETAIL SHEET

Project Title: **WESSON TERRACE SEWER PUMP STATION IMPROVEMENTS**

Department: **Sewer Enterprise**

Category:

Description and Justification:

This request is to fund the design and construction of improvements to the Wesson Terrace Sewer Pump Station. This station dates back to 2000. The alarm/notification system and pumps are in need of upgrading to more efficient & effective systems.




RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|------------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 7 | 400,000 | | | | 400,000 | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$400,000 | | | | \$400,000 | | |


Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: CHURCH STREET SEWER PUMP STATION IMPROVEMENTS | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|---------|-------------------------------------------------------------------------------------|---------|------------------|---------|
| Department: Sewer Enterprise | | | | | Category: | | | |
| Description and Justification: This request is to fund the design and construction of improvements to the Church Street Sewer Pump Station located adjacent to the old Fire Station on Church Street. This station dates back to 1998. The alarm/notification system and pumps are in need of upgrading to more efficient & effective systems. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 7 | 400,000 | | | | | 400,000 | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$400,000 | | | | | \$400,000 | |
| Source of Funds Legend | | | | | | | | |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | |

PROJECT DETAIL SHEET

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: SEWER EXTENSION - PHASE 2 | |
| Department: Sewer Enterprise | Category: 3D |
| Description and Justification: This request is to design and construct an extension of the municipal sewer system in accordance with recommendations made in the 2007 Comprehensive Wastewater Management Plan (CWMP). The CWMP referenced sewer extensions in various areas of Town. These areas are currently under further review to verify specific septic failure rates, soil conditions and potential cost impacts of installing the sewers versus the cost of septic system replacement. |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|---------|---------|------------------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 7 | 200,000 | | | | | | 200,000 |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$200,000 | | | | | | \$200,000 |


Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: WATER/SEWER GARAGE IMPROVEMENTS | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|---------|-------------------------------------------------------------------------------------|---------|---------|------------|
| Department: Water & Sewer Enterprise | | | | | Category: | | | |
| <u>Description and Justification:</u> This request seeks to fund the design and construction of renovations to the Water and Sewer Garage. The existing garage was originally constructed in 1964 to house only the Water Department. The Town installed sewer in the 1970's, and this expansion of departmental operations required additional staff and equipment that was not contemplated when the original garage was built. The current facility is undersized for the number of vehicles and equipment it houses. It requires security improvements and HVAC and electrical upgrades to allow the Town to maximize the benefits of new technologies, including electronic alarms and monitoring systems. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 7/8 | TBD | | | | | | TBD |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | TBD | | | | | | TBD |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | |

PROJECT DETAIL SHEET

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Project Title: ONE-TON SERVICE TRUCK W/PLOW | |
| Department: Water Enterprise | Category: 2B |
| <u>Description and Justification:</u> <p>This FY2016 request is to replace a 2003 service truck with utility body . This vehicle is used daily to perform regular inspections and maintenance on the Town's water and sewer system. It is a general response vehicle to all calls throughout the water and sewer divisions. The new truck will also be used as a plow vehicle throughout Town. The picture to the right represents an example of a replacement service truck.</p> <p>The subsequent request shown for FY2018 is a replacement service truck outfitted with a crane attachment for removing pumps and will also be equipped with a secondary tank for fueling emergency generators and related equipment.</p> | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|------------------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 7/8 | 185,000 | 75,000 | | 110,000 | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$185,000 | \$75,000 | | \$110,000 | | | |


Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: ONE-TON PICK-UP TRUCK W/PLOW | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|---------------------------------------|-------------------------------------------------------------------------------------|---------|---------|---------|---------|
| Department: Water Enterprise | | | | Category: 2B | | | | |
| <u>Description and Justification:</u> This request is to replace a 2005 pickup truck primarily used by the Water/Sewer Supervisor. This vehicle is used daily to perform the regular inspections and maintenance of the Town's water and sewer system. It is a general response vehicle to all calls throughout the water and sewer division. A conscious effort is being made to fit all vehicles with plows. The current vehicle is at the end of its practical expected life. The new truck will also be used as a plow vehicle throughout Town. The picture to the right represents an example of a replacement truck. | | | |  | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 7/8 | 60,000 | 60,000 | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$60,000 | \$60,000 | | | | | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees | | | | | |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees | | | | | |

PROJECT DETAIL SHEET

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: HYDRANT REPLACEMENT PROGRAM | |
| Department: Water Enterprise | Category: |
| Description and Justification: Currently we are looking at initiating a necessary hydrant replacement program. Funding sources for this program are still being evaluated whether through the CIP or a capital line item in the operating budget. Funding a Hydrant Maintenance and Replacement Program will safeguard the public by ensuring fire hydrants are accessible and fully functioning. This project focuses on conducting condition assessments of the fire hydrants throughout Town. This assessment includes inspecting, operating and testing the mechanics of the hydrant and valve as well as evaluating the surrounding obstructions which can limit the operations of the hydrant by emergency services personnel. As a result of the inspection and condition assessment, hydrants may be removed, relocated and/or replaced. The fire hydrant replacement program improves safety by replacing aged hydrants and valves with new long-lasting equipment that offers improved flow rates. |  |

RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 8 | 375,000 | | 65,000 | 70,000 | 75,000 | 80,000 | 85,000 |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$375,000 | | \$65,000 | \$70,000 | \$75,000 | \$80,000 | \$85,000 |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Project Title: MAIN & SERVICE REPLACEMENT PROGRAM | |
| Department: Water Enterprise | Category: |
| Description and Justification: This request is to fund a Water Main and Service Replacement Program as part of an ongoing commitment to provide quality water services to the residents of Northborough. This project focuses on replacing old, plastic or undersized mains and services with reliable new materials which will significantly improve reliability, flow and fire protection while reducing the likelihood of breaks or leaks in the system. These improvements will positively effect the lives of the resident of Northborough for years to come. | |
| | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|------------------|--------------------|---------|------------------|--------------------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 8 | 2,500,000 | | 100,000 | 1,100,000 | | 100,000 | 1,200,000 |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$2,500,000 | | \$100,000 | \$1,100,000 | | \$100,000 | \$1,200,000 |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: BACKHOE | |
| Department: Water Enterprise | Category: |
| <u>Description and Justification:</u> <p>This backhoe replaces a 1997 model that is used by the Water and Sewer Division. This backhoe is used for water and sewer projects, plowing of water and sewer stations and various other related tasks. The long reach of a backhoe is necessary to properly excavate (repair, maintain and install) water and sewer structures (pipes, manholes, valves, hydrants, etc.) throughout Town. The useful life of these vehicles is 10 to 12 years, the existing backhoe is a 1997 model year and will be at least 20 years old when it is replaced. The picture to the right represents an example of new similar model backhoe.</p> |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|------------------|---------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 8 | 170,000 | | 170,000 | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$170,000 | | \$170,000 | | | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: ONE-TON DUMP TRUCK WITH PLOW | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|--------------------------------|---------|---------|
| Department: Water Enterprise | | | | | Category: | | | |
| <u>Description and Justification:</u> This request is to replace a 2006 dump truck. The one-ton dumps are the most used equipment in the fleet. The Public Works employees use these vehicles to perform their everyday tasks including moving materials and equipment that is carried and towed by these vehicles. These trucks are also paired with large 6-wheel dump trucks to perform snow removal. The useful life of these vehicles is 10 to 12 years, the existing trucks are model years 2006 and 2008. The picture to the right represents a similar new model truck. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 8 | 190,000 | | 95,000 | | 95,000 | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$190,000 | | \$95,000 | | \$95,000 | | |
| <u>Source of Funds Legend</u> | | | | | | | | |
| (1) Operating Revenues | | (3) State Aid | | (5) EMS Revolving Fund Fees | | (7) Sewer Enterprise Fund Fees | | |
| (2) Municipal GO Bonds | | (4) Trust Funds | | (6) Free Cash / Other | | (8) Water Enterprise Fund Fees | | |

PROJECT DETAIL SHEET

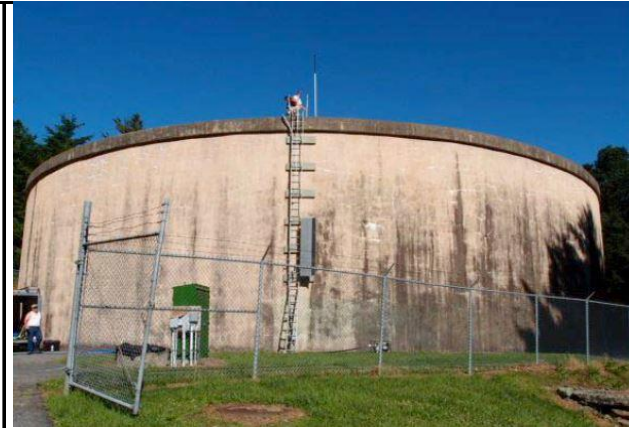
Project Title: **ASSABET HILL TANK REHABILITATION**

Department: **Water Enterprise**

Category:

Description and Justification:

As a result of the most recent tank inspection (June 2012) performed as required by MassDEP some small repairs were noted which requires attention. This is a 3.5 MG concrete water storage tank has seen substantial corrosion and exposure to the elements. Although free from obvious fatigue or failure some surface and/or shrinkage cracks were found on the various coatings and will require re-surfacing. Additionally, some spalling in various areas were identified which will require resurfacing and re-coating.




RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|------------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 8 | TBD | | | TBD | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | TBD | | | TBD | | | |

Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: COLLINS ROAD WATER QUALITY IMPROVEMENTS | |
| Department: Water Enterprise | Category: 2B |
| Description and Justification: This request is to extend two existing dead-end water mains underneath the RR tracks. This connection will improve the water quality in the southwesterly portion of Town by shortening the travel distance of the water from the MWRA connection to these points. |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|------------------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 8 | 400,000 | | | 400,000 | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$400,000 | | | \$400,000 | | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Project Title: BRIGHAM STREET WATER QUALITY IMPROVEMENTS | |
| Department: Water Enterprise | Category: 2B |
| Description and Justification: This request is to remove and replace an undersized 6" water main under the RR tracks on Brigham Street. Currently a 12" water main exists on both sides of the tracks and is connected by the smaller 6" main under the tracks. This upgrade will improve the fire flows and pressures in the Brigham Street area of Town. | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|------------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 8 | 400,000 | | | | 400,000 | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$400,000 | | | | \$400,000 | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Project Title: UTILITY TRACTOR | |
| Department: Water Enterprise | Category: 2B |
| Description and Justification: <p>This request is to replace a 2003 Kubota utility tractor. This tractor is a multi-purpose piece of equipment that is used throughout Town to clear the water and sewer cross-country easements in the summer growing months as well as spring & fall cleanups with the large blower attachment as well as clearing around hydrants during the winter months.</p> | |
|  | |

RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|---------|---------|-----------------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | | | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | 8 | 80,000 | | | | | | 80,000 |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$80,000 | | | | | | \$80,000 |


Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |


Town of Northborough K-8 Schools

Project Detail Sheets


PROJECT DETAIL SHEET

| Project Title: FLOOR TILE REPLACEMENT - PEASLEE SCHOOL | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|-----------------|-------------------------------------------------------------------------------------|---------|---------|---------|
| Department: Northborough Public Schools | | | | | Category: | | | |
| <u>Description and Justification:</u> This project entails the replacement of classroom asbestos floor tiles that are lifting and causing uneven surfaces. The project represents the need to maintain the current infrastructure at the Peaslee School in the event that the Peaslee School renovation project does not move forward. | | | | |  | | | |
| | | | | | | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 6 | 40,000 | | 40,000 | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$40,000 | | \$40,000 | | | | |
| <u>Source of Funds Legend</u> (1) Operating Revenues (3) State Aid (5) EMS Revolving Fund Fees (7) Sewer Enterprise Fund Fees (2) Municipal GO Bonds (4) Trust Funds (6) Free Cash / Other (8) Water Enterprise Fund Fees | | | | | | | | |

PROJECT DETAIL SHEET

| Project Title: PARKING LOT/WALKWAY PAVING - PEASLEE SCHOOL | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|---------|-------------------------------------------------------------------------------------|---------|---------|---------|
| Department: Northborough Public Schools | | | | | Category: | | | |
| <u>Description and Justification:</u> This request seeks funding to re-pave the parking lot and asphalt walkways at the Peaslee School. The asphalt area at Peaslee has become dangerous to students, staff and public that use the building. The cost to re-pave and re-stripe the Peaslee parking lot and to re-pave walkways is \$238,000. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2/6 | 238,000 | | | 238,000 | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$238,000 | | | \$238,000 | | | |
| <u>Source of Funds Legend</u> (1) Operating Revenues (3) State Aid (5) EMS Revolving Fund Fees (7) Sewer Enterprise Fund Fees (2) Municipal GO Bonds (4) Trust Funds (6) Free Cash / Other (8) Water Enterprise Fund Fees | | | | | | | | |

PROJECT DETAIL SHEET

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: FIRE/SPRINKLER SYSTEM - PEASLEE SCHOOL | |
| Department: Northborough Public Schools | Category: |
| <u>Description and Justification:</u> In the event that the Peaslee School renovation project does not take place, the district should be proactive in building safety systems. This project represents a life/safety issue and would fund the design and installation of a code compliant fire alarm and sprinkler system for the Peaslee School as recommended by the Fire Department. The projected costs are as follows: - Design costs - TBD - Fire alarm system/Sprinkler System - \$480,000 |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|------------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2/3 | 480,000 | | | | 480,000 | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$480,000 | | | | \$480,000 | | |


Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| Project Title: ADDITION/RENOVATION PROJECT - PEASLEE SCHOOL | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------------------------|---------|-------------------------------------------------------------------------------------|---------|------------------|---------|
| Department: Northborough Public Schools | | | | | Category: | | | |
| <u>Description and Justification:</u> This project entails the feasibility study, design and construction for an addition/renovation of the Peaslee School. The goal of the project is to modernize and expand Peaslee School to a condition that rectifies current deficiencies and satisfies projected future requirements for educational programs and student enrollment. A Statement of Interest (SOI) for this project will be submitted to the Massachusetts School Building Authority (MSBA) at the appropriate time. To qualify for funding, the district must follow MSBA statutes and regulations which require MSBA collaboration and approval at each step of the process. | | | | |  | | | |
| RECOMMENDED FINANCING | | | | | | | | |
| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | 2/3 | 500,000 | | | | | 500,000 | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2/3 | TBD | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$500,000 | | | | | \$500,000 | |
| <u>Source of Funds Legend</u> (1) Operating Revenues (3) State Aid (5) EMS Revolving Fund Fees (7) Sewer Enterprise Fund Fees (2) Municipal GO Bonds (4) Trust Funds (6) Free Cash / Other (8) Water Enterprise Fund Fees | | | | | | | | |

PROJECT DETAIL SHEET

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Project Title: ROOF REPAIRS - PROCTOR SCHOOL | |
| Department: Northborough Public Schools | Category: |
| <u>Description and Justification:</u> <p>The first phase of this project is the repair and restoration of the 38,000 square feet of flat roof at the Proctor School. Included in this estimate is the application of a urethane water-proofing membrane designed to restore and increase the lifespan of the roof by a minimum of ten years.</p> <p>The blackened portions of the roof shown in the photo to the right represent the area to be restored in FY2016.</p> <p>The second phase involves replacement of the 13,000 square feet of shingled pitched roof with a metal roofing system carrying a warranty of 50 years.</p> | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|------------------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 6 | 470,000 | 200,000 | | | 270,000 | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$470,000 | \$200,000 | | | \$270,000 | | |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Project Title: BOILER REPLACEMENT - ZEH SCHOOL | |
| Department: Northborough Public Schools | Category: |
| <u>Description and Justification:</u> The current Burnham boiler was installed as part of the Zeh School renovation in 1999. Although the boiler is only 16 years old, Burnham changed its boiler design in 2004 and replacement parts for their older models are now extremely difficult to obtain. While currently operational, a reliable and energy-efficient heating system is necessary for the Zeh School. | |
|  | |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|---------|---------|------------------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 6 | 350,000 | | | | | | 350,000 |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$350,000 | | | | | | \$350,000 |

Source of Funds Legend

- | | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Project Title: WALKWAY PAVING - MELICAN MIDDLE SCHOOL | |
| Department: Northborough Public Schools | Category: |
| Description and Justification: This request seeks funding to re-pave sidewalks and sealcoat the parking lot at the Melican Middle School. Re-paving of sidewalks at Melican is necessary due to the numerous cracks. Sealcoating the parking lot is necessary to maintain the \$70,000 re-paving project completed in 1998. The cost to remove and replace Melican walkways and to sealcoat and re-stripe parking lot is \$115,000. |  |


RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|------------------|---------|---------|---------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | | | | | | | | |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2/6 | 115,000 | | | 115,000 | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$115,000 | | | \$115,000 | | | |

Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

PROJECT DETAIL SHEET

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Project Title: ADDITION/RENOVATION PROJECT - MELICAN MIDDLE SCHOOL | |
| Department: Northborough Public Schools | Category: |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><u>Description and Justification:</u></p> <p>This project entails the feasibility study, design and construction for an addition/renovation of the Melican Middle School. The goal of the project is to modernize and expand Melican Middle School to a condition that rectifies current deficiencies and satisfies projected future requirements for educational programs and student enrollment. A Statement of Interest (SOI) for this project will be submitted to the Massachusetts School Building Authority (MSBA) at the appropriate time. To qualify for funding, the district must follow MSBA statutes and regulations which require MSBA collaboration and approval at each step of the process. While a placeholder for this project has been included in FY2021, were the MSBA to move forward with the Peaslee School addition/renovation project proposed in FY2020, the Melican Middle School project would likely be pushed out.</p> </div> <div style="width: 35%; text-align: center;">  </div> </div> | |

RECOMMENDED FINANCING

| | Source of Funds | Total Six -Year Cost | Estimated Expenditures by Fiscal Year | | | | | |
|---------------------------|-----------------|----------------------|---------------------------------------|---------|---------|---------|---------|------------------|
| | | | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| A. Feasibility Study | 2/3 | 500,000 | | | | | | 500,000 |
| B. Design | | | | | | | | |
| C. Land Acquisition | | | | | | | | |
| D. Construction | 2/3 | TBD | | | | | | |
| E. Furnishings/Equipment | | | | | | | | |
| F. Departmental Equipment | | | | | | | | |
| G. Contingency | | | | | | | | |
| H. Other | | | | | | | | |
| TOTAL | | \$500,000 | | | | | | \$500,000 |

Source of Funds Legend

| | | | |
|------------------------|-----------------|-----------------------------|--------------------------------|
| (1) Operating Revenues | (3) State Aid | (5) EMS Revolving Fund Fees | (7) Sewer Enterprise Fund Fees |
| (2) Municipal GO Bonds | (4) Trust Funds | (6) Free Cash / Other | (8) Water Enterprise Fund Fees |

Part III

Report of the Financial Planning Committee
FY2016-2021



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Report of the Financial Planning Committee

The role of the Financial Planning Committee is to serve in a research, study and advisory capacity to the Board of Selectmen, the Appropriations Committee and the Administrative Office on short and long-range financial planning matters, and to assist in the development of a Capital Improvement Program. During Fiscal Year 2015 the Committee was comprised of the following members:

| Member | Appointed By | Term Expires |
|---------------------------|-----------------------------------|--------------|
| David DeVries, Chair | Town Moderator | April 2017 |
| Michael Hodge, Vice-Chair | Town Moderator | April 2016 |
| Heidi Bourque-Gleason | Northborough K-8 School Committee | April 2015 |
| Roger Leland | Town Moderator | April 2017 |
| Richard Smith | Appropriations Committee | April 2015 |
| Thomas Spataro | Planning Board | April 2018 |

Fiscal Year 2015 Committee Activities

| Meeting Date | Action |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| November 20, 2014 | Reorganization: David DeVries, Chair; Michael Hodge, Vice-Chair. Kick-off meeting, CIP instruction manual, budget manual and schedule, town meeting calendar, preliminary free cash plan. |
| December 11, 2014 | Financial Trend Monitoring Report Update and Financial Projections. |
| January 22, 2015 | Joint Meeting with Appropriation, Board of Selectmen, School committee, for Lincoln Street School project update. |
| February 19, 2015 | FY16 Budget Update and CIP summary overview. |
| March 5, 2015 | Review Dept. of Public Works capital requests. |
| March 12, 2015 | Police capital requests, Fire capital requests, Town Planner capital requests, K-8 school capital requests, and CPC capital projects. |
| March 19, 2015 | Review of draft FPC report and recommendations. |
| April 11, 2015 | Annual inspection of school buildings and grounds. |
| April 9, 2015 | Review debt service/policy with Finance Director. Review final committee report. |

The Committee extends its appreciation to Town Administrator John Coderre and his Financial Team -- Assistant Town Administrator Kimberly Foster, Finance Director June Hubbard-Ward, and Town Accountant Jason Little -- for their input and assistance throughout the Committee's process. Special thanks to Diane Wackell and Donna McIntosh for their capable administrative support.

Committee General Comments

The major role of the Financial Planning Committee is to review all submitted projects included in the Capital Improvement Program, comment upon their viability and make its final recommendations, which includes consideration of the guidelines set forth under the Debt Policy adopted by the Board of Selectmen in September 2000. These guidelines were developed to assist the Town in determining how much debt can safely be incurred, and are consistent with those recommended by the Massachusetts Department of Revenue, namely:

- Determine debt that can be incurred without jeopardizing credit standing and causing financial hardship;
- Incorporate affordability guidelines for expenditures;
- Include review of the Capital Improvement Program; and
- Indicate appropriate uses for and acceptable amounts of debt.

The Committee has reviewed the projects included in the six-year Capital Improvement Program at meetings held with the various departments proposing these projects. At these meetings, department heads presented information and data to justify the need, cost, and implementation timeframe for the projects. It is the strong opinion of the Committee that in order for the Capital Improvement Program to be an effective tool for managing the Town's capital investment, department heads must have confidence that their submitted projects will be implemented within the timeframe planned in the Program. The Committee recognizes that the municipal and school administrations have worked hard to anticipate capital needs, submit projects into the Plan, and distribute those projects over the six-year planning period so as to comply with the constraints of the Town's Debt Policy.

At this writing, debt service projections and metrics were not yet finalized and available to the Committee, but conservative preliminary estimates prepared by the Town Administrator indicate that the Program will be well within the guidelines set forth in the Debt Policy both for Credit Standing and Affordability.

Subject to verification of compliance with Debt Policy guidelines, and to comments and recommendations made herein for specific capital projects proposed for Fiscal Year 2016, the Committee is pleased to recommend this Capital Improvement Program as an effective tool for managing the Town's finances with respect to Capital Projects for the next six years.

Communication, Transparency, and Best Practices in Town Finance

For the fifth consecutive year, the Committee congratulates the Town Administrator and his Financial Team for receiving the Government Finance Officers Association (GFOA) Budget Presentation Award for the Town's FY15 budget document. To be recognized, the budget document must satisfy demanding criteria which evaluate it as a policy document, a financial plan, an operations guide, and a communications tool. Further, GFOA raises the bar by requiring past award winners to demonstrate ever greater clarity and completeness in their budget document. To repeat as a GFOA award winner reflects the continuing efforts of the Financial Team to improve communication and transparency in Town finance and apply best practices to municipal budgeting.

Free Cash Policy

The FY16 budget year marks the fifth implementation of the Town's Free Cash Policy. Under this policy, one defined use of available free cash is to pay for capital projects. Examples of suitable projects include DPW and Public Safety vehicles and equipment; building infrastructure components (heating, cooling, electrical, plumbing, etc.); communication systems and office and equipment; and capital project design fees, feasibility studies, and needs analyses. In the past, the Town funded projects of this scale with debt, a practice discouraged by bond rating agencies. Under the Free Cash policy, such capital items are now funded from free cash and other available one-time revenues. Debt capacity is conserved for larger projects such as building construction and renovation, major roadway construction and repair, water/sewer infrastructure, and land acquisition for municipal use or to preserve open space.

From the \$3.932M certified free cash balance, \$2.194M is allocated to FY16 capital projects. This amount provides \$2.194M of capital investment in FY16 that will have no additional impact on the tax rate. (Note: Other proposed capital projects for FY16 are funded from general obligation bonds or through enterprise fees.)

Assuming this year's proposal is approved, more than \$5.816M of capital expenditures will have been accomplished with Free Cash over the five-year period FY 2012-2016, which otherwise would have been financed with debt. Meanwhile, the Town's component of debt service attributable to small capital expenditures has been nearly eliminated, reclaiming capacity within the Proposition 2 ½ levy limit to address upcoming capital projects of larger scale.

Apportionment of ARHS State Construction Grant

The Committee is pleased to report that a final and favorable settlement has been reached concerning the treatment of state grant for the Algonquin Regional High School construction project. The settlement provides for Southborough to pay Northborough a sum of \$1,699,466 in installments over a period of eight years, with interest accruing on the unpaid balance during that period.

The disagreement concerned how the grant should have been apportioned by the Regional School District to the member towns of Northborough and Southborough: whether by the capital cost sharing formula of the Regional Agreement (which the District had in fact done); or according to provisions of MGL Chapter 70B, which govern state reimbursement to school districts for school construction projects.

In December 2006, the Financial Planning Committee estimated that Northborough would receive approximately \$1.5M LESS in grant under the District's treatment than it should under the MGL Chapter 70B grant apportionment formula.

From 2007-2010, attempts to negotiate a compromise fell short: the Chapter 70B statute was argued by some to be either ambiguous or inapplicable; the relevant State agencies declined to offer guidance as to whether and how the statute should apply; and Southborough, having already benefitted from the District's actual treatment of the grant, had no motivation to concede that benefit. In April 2009, the Regional District proposed a "split the difference" compromise, under which Northborough would have received \$686,000 over a period of 17 years; Northborough Town Meeting approved the proposed compromise, but Southborough Town Meeting did not. In 2010, Southborough leaders declined to present that compromise a second time to its citizens.

In November 2010, having exhausted all options for diplomatic resolution, Northborough filed a request for declaratory judgment, seeking the Court's interpretation of the relevant language in MGL Chapter 70B.

In April 2013, the Court found in favor of Northborough. The decision directed the Regional District and the member towns to recalculate the grant apportionment according to the Chapter 70B formula, and to devise a schedule for repayment, to be submitted to the Court for approval.

In February 2015, after further appeals and rulings, the settlement was finalized.

The Committee gratefully acknowledges the efforts of the following people whose advocacy and expertise contributed to the favorable resolution of this issue: former Financial Planning Committee members James V. Casella, Susan Sartori, and Jason Perreault; Appropriations Committee chair Elaine Kelly; Finance Director June Hubbard-Ward; and Town Administrator John Coderre, who very capably and professionally guided the Town's efforts throughout the lengthy diplomatic and judicial process.

Capital Projects for FY16

The Committee has reviewed the projects in the Capital Improvement Program for Fiscal Year 2016 and has prioritized as follows:

| Priority | Description |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Projects that involve correcting a current Safety or Health issue, and/or to meet a Federal or State legal requirement |
| 2 | Projects that are necessary to maintain the Town's current infrastructure: <i>Buildings</i> - Projects necessary to maintain existing Town buildings, not including projects to expand or modernize facilities. <i>Equipment</i> - Projects necessary to replace old existing equipment, which is no longer cost effective to repair with similar equipment |
| 3 | Projects that are required to increase capacity of existing facilities in order to accommodate the increase in growth of the Town. |
| 4 | Projects that are designed to modernize and upgrade existing Town facilities. |

The committee considers all the capital projects proposed, and that have been in the Capital plan for many years. From those proposals, the committee recommends the capital projects below in this year's warrant articles. Committee vote shown in parentheses. Numerical votes are shown in Yes-No-Abstain order relative to a motion to recommend approval. Fewer than six total votes reflect the absence of one or more members at the time of the vote.

Planned sources of funding are noted in the comments for each project.

CAPITAL IMPROVEMENT PROGRAM

Municipal Departments

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|----------|---------------------|
| Engine 2 Replacement | Fire | \$688,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">Replaces a 1996 Engine 2.Funded from free cash. No additional impact to tax rate. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|----------|---------------------|
| Ambulance Replacement | Fire | \$280,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">Replaces 2004 Ambulance.Funded by borrowing, to be repaid by the Ambulance Revolving Fund . | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|----------|---------------------|
| SCBA Replacement | Fire | \$45,000 | 1 | YES (6-0-0) |
| <ul style="list-style-type: none">Replaces 35 outdated SCBA bottles.Funded from free cash. No additional impact to tax rate. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|----------|---------------------|
| Police Cruiser Replacement | Police | \$85,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">Replaces a 2007 Explorer and a 2008 Expedition.Funded from free cash. No additional impact to tax rate. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|----------|---------------------|
| Communication Dispatch Console | Police | \$161,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">Replaces a 1989 Dispatch Console.Funded from free cash. No additional impact to tax rate. | | | | |

CAPITAL IMPROVEMENT PROGRAM

Municipal Departments (continued)

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|----------|---------------------|
| Master Plan | Planning | \$130,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">Master Plan Update from 1997.Funded from free cash. No additional impact to tax rate. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|----------|---------------------|
| Otis Street Culvert Replacement | Public Works - Highway | \$325,000 | 1 | YES (6-0-0) |
| <ul style="list-style-type: none">Structure deemed unsafe – road closed.Funded from free cash. No additional impact to tax rate. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|----------|---------------------|
| Roadside Mower | Public Works - Highway | \$130,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">Replaces a 2000 John Deere.Funded from free cash. No additional impact to tax rate. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------|----------|---------------------|
| One-Ton Dump Truck w/Plow | Public Works - Highway | \$90,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">Replaces a 2000 Ford.Funded from free cash. No additional impact to tax rate. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------|----------|---------------------|
| One-Ton Pickup Truck w/Plow | Public Works - Highway | \$60,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">Replaces a 1996 Ford.Funded from free cash. No additional impact to tax rate. | | | | |

CAPITAL IMPROVEMENT PROGRAM

Municipal Departments (continued)

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|----------|---------------------|
| Backhoe | Public Works - Highway | \$145,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">Replaces a 2005 Model.Funded from free cash. No additional impact to tax rate. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------|----------|---------------------|
| Mini Excavator | Public Works - Highway | \$85,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">New addition to Fleet.Funded from free cash. No additional impact to tax rate. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------|----------|---------------------|
| Ellsworth Park Gazebo and Pavilion Renovation | Public Works - Highway | \$50,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">Replacement of 1993 Gazebo and repair to Pavilion.Funded from free cash. No additional impact to tax rate. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|----------|---------------------|
| Hudson Street Pump Station Improvements | Public Works - Sewer | \$1,500,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">Replace Worn Out 1977 Pump, Motor, and Controls.Funded from Sewer Enterprise Fund Bonds. | | | | |

CAPITAL IMPROVEMENT PROGRAM

Municipal Departments (continued)

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------|----------|---------------------|
| One-Ton Service Truck w/Plow | Public Works – Water/Sewer | \$75,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">▪ Replaces a 1996 truck.▪ Funded from Water/Sewer Enterprise Fund Free Cash. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------|----------|---------------------|
| One-Ton Pickup Truck w/Plow | Public Works – Water/Sewer | \$60,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">▪ Replaces a 2005 truck.▪ Funded from Water/Sewer Enterprise Fund Free Cash. | | | | |

K-8 Public Schools

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|----------|---------------------|
| Proctor Roof Repairs | Public Schools | \$200,000 | 2 | YES (6-0-0) |
| <ul style="list-style-type: none">▪ Repair and Restore Flat roof.▪ Funded from free cash. No additional impact to tax rate. | | | | |

CAPITAL IMPROVEMENT PROGRAM

Community Preservation Act Projects

Certain projects to be funded with Community Preservation Act monies may be presented at Town Meeting. Although often capital in nature, these projects are not necessarily incorporated into the Capital Improvement Plan. Nevertheless, the Financial Planning Committee, in its financial advisory capacity, strives to review projects approved by the CPC and offer its recommendations at Town Meeting. Because CPA projects do not compete for funding with Capital Improvement Plan projects, no Priority is assigned.

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|----------|---------------------|
| Unused Funds returned to CPA Affordable Housing Reserve | Affordable Housing Corp. | \$104,000 | N/A | YES (6-0-0) |
| <ul style="list-style-type: none">Appropriated but Unused Funds returned to CPA Affordable Housing Reserve account. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|-------------------------------------------------------------------------------------------------------------|--------------------------|-----------|----------|---------------------|
| Future Creation of Affordable Housing | Affordable Housing Corp. | \$500,000 | N/A | deferred |
| <ul style="list-style-type: none">Funds to be used for future creation of affordable housing. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------|----------|---------------------|
| Repair/Upgrade Community Basketball Courts | Northborough Youth Basketball Association | \$60,000 | N/A | YES (5-0-1) |
| <ul style="list-style-type: none">Renovate, repair, or replace playing surfaces and hoop/backboard standards for basketball courts on Town-owned property, primarily the elementary and middle schools.CPA regulations now allow CPA funding to be used to renovate and maintain recreational facilities that were NOT initially created using CPA funding. | | | | |

CAPITAL IMPROVEMENT PROGRAM

Community Preservation Act Projects (continued)

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|------------------------------------------------------------------------------------------------------------------------------|-------------|----------|----------|---------------------|
| Removal and replacement of playground equipment | Peaslee PTO | \$75,000 | N/A | YES (6-0-0) |
| <ul style="list-style-type: none">▪ Removal of old equipment and replace with new equipment to ADA guidelines. | | | | |

| Project | Sponsor | Cost | Priority | Recommend Approval? |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------|----------|---------------------|
| CPC Debt Service | Community Preservation Committee | \$47,700 | N/A | YES (6-0-0) |
| <ul style="list-style-type: none">▪ Apply CPA funding to pay debt service on debt issued as a component of the FY12 CPA Green Street land purchase for open space preservation.▪ Third annual installment of a 5-year financing term. | | | | |

Respectfully submitted,
Northborough Financial Planning Committee
March 27, 2015

CAPITAL IMPROVEMENT PROGRAM

Financial Planning Committee Recommendations for FY16 Capital Project Warrant Articles
Northborough Annual Town Meeting April 2015

| Article | Project | Cost | Funding Source | Priority | Vote * | Recommend Approval? |
|---------|-------------------------------------------|-----------|-----------------------------|----------|--------|---------------------|
| 19 | Fire: Engine 2 Replacement | 688,000 | Free Cash | 2 | 6-0-0 | YES |
| 20 | Fire: Ambulance Replacement | 280,000 | Ambulance Fund Bond | 2 | 6-0-0 | YES |
| 21 | Fire: SCBA Tank Replacement | 45,000 | Free Cash | 1 | 6-0-0 | YES |
| 22 | Police: Cruiser Replacement | 85,000 | Free Cash | 2 | 6-0-0 | YES |
| 23 | Police: Communications Dispatch Console | 161,000 | Free Cash | 2 | 6-0-0 | YES |
| 24 | Planning: Master Plan Update | 130,000 | Free Cash | 2 | 6-0-0 | YES |
| 25 | DPW: Otis Street Culvert Replacement | 325,000 | Free Cash | 1 | 6-0-0 | YES |
| 26 | DPW: Roadside Mower | 130,000 | Free Cash | 2 | 6-0-0 | YES |
| 27 | DPW: One-Ton Dump w/Plow | 90,000 | Free Cash | 2 | 6-0-0 | YES |
| 28 | DPW: One-Ton Pickup w/Plow | 60,000 | Free Cash | 2 | 6-0-0 | YES |
| 29 | DPW: Backhoe | 145,000 | Free Cash | 2 | 6-0-0 | YES |
| 30 | DPW: Mini Excavator | 85,000 | Free Cash | 2 | 6-0-0 | YES |
| 31 | DPW: Ellsworth Park Gazebo and Pavilion | 50,000 | Free Cash | 2 | 6-0-0 | YES |
| 32 | Sewer: Hudson Street Pump Station | 1,500,000 | Sewer Bond | 2 | 6-0-0 | YES |
| 33 | Water/Sewer: One-Ton Service Truck w/Plow | 75,000 | Water/Sewer Enterprise Fund | 2 | 6-0-0 | YES |
| 34 | Water/Sewer: One-Ton Pickup Truck w/Plow | 60,000 | Water/Sewer Enterprise Fund | 2 | 6-0-0 | YES |
| 35 | K-8: Proctor Roof Repairs | 200,000 | Free Cash | 2 | 6-0-0 | YES |
| 56 | CPA: Return Unused Funds | 104,000 | CPA | *** | 6-0-0 | YES |
| 57 | CPA: Future Affordable Housing | 500,000 | CPA | *** | - | Deferred |
| 58 | CPA: Basketball Court Renovation | 60,000 | CPA | *** | 5-0-1 | YES |
| 59 | CPA: Peaslee Playground Equipment | 75,000 | CPA | *** | 6-0-0 | YES |
| 60 | CPA: Debt Service for Green St. Purchase | 47,700 | CPA | *** | 6-0-0 | YES |

* Numerical votes shown in Yes-No-Abstain order relative to a motion to recommend approval. Fewer than six total votes reflects absence of one or more members.

** More information needed. The Committee will offer its recommendation at Town Meeting.

*** No capital project priority is assigned to CPA-funded projects.