

Fiscal 2011 - 2015

Projected Capital Infrastructure Budget

Citywide

| Description | 2011 | 2012 | 2013 | 2014 | 2015 | TOTALS 2011-2015 |
|--|----------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| DPW & Parks | | | | | | |
| Sidewalk Replacement | | | | | | |
| Sidewalk Improvements | 600,000 | 600,000 | 600,000 | 600,000 | 600,000 | \$ 3,000,000 |
| ADA Improvements/Sidewalks | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | \$ 1,000,000 |
| Sidewalk / Resurfacing (Chapter 90) | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | \$ 1,250,000 |
| Sidewalk / Resurfacing | 750,000 | 750,000 | 750,000 | 750,000 | 750,000 | \$ 3,750,000 |
| Total Sidewalk Replacement | \$ 1,800,000 | \$ 1,800,000 | \$ 1,800,000 | \$ 1,800,000 | \$ 1,800,000 | \$ 9,000,000 |
| Street Resurfacing | | | | | | |
| Extended Pavement Program | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | \$ 5,000,000 |
| Streets Resurfacing (Chapter 90) | 2,800,000 | 2,800,000 | 2,800,000 | 2,800,000 | 2,800,000 | \$ 14,000,000 |
| Private Street Conversion | 2,000,000 | 2,000,000 | 1,500,000 | 1,500,000 | 1,500,000 | \$ 8,500,000 |
| Street Resurfacing | 1,500,000 | 1,500,000 | 1,500,000 | 1,500,000 | 1,500,000 | \$ 7,500,000 |
| Granite Street Project | | 100,000 | 100,000 | 1,000,000 | 1,000,000 | \$ 2,200,000 |
| Total Street Resurfacing | \$ 7,300,000 | \$ 7,400,000 | \$ 6,900,000 | \$ 7,800,000 | \$ 7,800,000 | \$ 37,200,000 |
| Fiscal Year 2011 Streets & Sidewalks Improvements | | | | | | |
| Streets & Sidewalks | 20,000,000 | | | | | \$ 20,000,000 |
| Total Fiscal Year 2011 Streets & Sidewalks | 20,000,000 | - | - | - | - | 20,000,000 |
| Total Public Works Streets & Sidewalks | \$ 29,100,000 | \$ 9,200,000 | \$ 8,700,000 | \$ 9,600,000 | \$ 9,600,000 | \$ 66,200,000 |
| TRANSPORTATION IMPROVEMENT PROGRAM | | | | | | |
| Belmont Street (Phase 1 - 290 to Daniels) | | | | | | |
| Local Funding | 200,000 | | | | | \$ 200,000 |
| Belmont Street (Phase 2 - Daniels to Lake) | | | | | | |
| Local Funding | | 250,000 | | | | \$ 250,000 |
| Winthrop Street Traffic Improvements | | | | | | |
| Local Funding | 120,000 | 125,000 | 125,000 | | | \$ 370,000 |
| Salisbury Street | | | | | | |
| Local Funding | | 250,000 | 500,000 | | | \$ 750,000 |
| Main St (Traffic Signal Improvements) | | | | | | |
| Local Funding | | | 195,000 | 195,000 | | \$ 390,000 |
| Lincoln St (Phase 1 - Dixon to Beverly) | | | | | | |
| Local Funding | 100,000 | | | | | \$ 100,000 |
| Grafton St. (Resurfacing and Intersection Improv.) | | | | | | |
| Local Funding | 150,000 | 300,000 | 100,000 | | | \$ 550,000 |

Fiscal 2011 - 2015

Projected Capital Infrastructure Budget

Citywide

| Description | 2011 | 2012 | 2013 | 2014 | 2015 | TOTALS 2011-2015 |
|--|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Main Street Resurfacing | | | | | | |
| Local Funding | | | | 180,000 | | \$ 180,000 |
| Holden-Drummond-Shore Drive (Signal Installation) | | | | | | |
| Local Funding | | | | 70,000 | | \$ 70,000 |
| Route 12 East & West Mountain Sts. | | | | | | |
| Local Funding | | | | 270,000 | | \$ 270,000 |
| Gateway I Quinsigamond | | | | | | |
| Local Funding | 1,000,000 | | | | | \$ 1,000,000 |
| Park Ave Signals | | | | | | |
| Local Funding | | 250,000 | 500,000 | | | \$ 750,000 |
| Total TIP | 1,570,000 | 1,175,000 | 1,420,000 | 715,000 | - | 4,880,000 |
| DPW - Other Projects | | | | | | |
| Traffic Signals Upgrades | | 100,000 | 100,000 | 100,000 | 100,000 | \$ 400,000 |
| Traffic Signal Loop Detectors | | 30,000 | 40,000 | 40,000 | 40,000 | \$ 150,000 |
| New Traffic Signal Locations at May & Woodland | | 200,000 | 200,000 | 200,000 | 200,000 | \$ 800,000 |
| Guard Rail Installations | | 25,000 | 25,000 | 25,000 | 25,000 | \$ 100,000 |
| Bridge Rehabilitation | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | \$ 250,000 |
| Subtotal DPW Other | \$ 50,000 | \$ 405,000 | \$ 415,000 | \$ 415,000 | \$ 415,000 | \$ 1,700,000 |
| Trees | - | - | - | - | - | \$ - |
| Total Public Works | \$ 30,720,000 | \$ 10,780,000 | \$ 10,535,000 | \$ 10,730,000 | \$ 10,015,000 | \$ 72,780,000 |

Parks

| | | | | | | |
|-------------------------------|---------|---------|-----------|---------|---------|--------------|
| Coes Pond | | | | | | \$ - |
| Crompton Park / Greenwood | 650,000 | 250,000 | | | | \$ 900,000 |
| Greenhill Park | 100,000 | 750,000 | | | | \$ 850,000 |
| Playground Improvements | | 125,000 | 125,000 | 125,000 | 125,000 | \$ 500,000 |
| Lake Park | | 50,000 | 1,500,000 | | | \$ 1,550,000 |
| Project Management Salaries | | 60,000 | 60,000 | 60,000 | 60,000 | \$ 240,000 |
| Landfill Monitoring | 50,000 | 40,000 | 40,000 | 40,000 | 40,000 | \$ 210,000 |
| Burncoat Park | | 75,000 | | | | \$ 75,000 |
| Indian Hill Park | | 400,000 | | 500,000 | | \$ 900,000 |
| Logan Field | 350,000 | 350,000 | | | | \$ 700,000 |
| Shore Park | | 200,000 | | | | \$ 200,000 |
| Open Space Acquisition | | 250,000 | | | | \$ 250,000 |
| Elm Park | | | 250,000 | | 250,000 | \$ 500,000 |
| Great Brook Valley Playground | | | 250,000 | | | \$ 250,000 |
| Holland Rink | | | 50,000 | | | \$ 50,000 |

Fiscal 2011 - 2015

Projected Capital Infrastructure Budget

Citywide

| Description | 2011 | 2012 | 2013 | 2014 | 2015 | TOTALS 2011-2015 |
|----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Bennett Field | 250,000 | | | 50,000 | | \$ 300,000 |
| Knights of Columbus | | | | 750,000 | | \$ 750,000 |
| Rockwood Field | | | | 500,000 | | \$ 500,000 |
| Tacoma Street Playground | | | | 250,000 | | \$ 250,000 |
| Bell Hill Park | | | | | 250,000 | \$ 250,000 |
| Institute Park | | | | | 250,000 | \$ 250,000 |
| North Lake Ave. | | | | | 1,500,000 | \$ 1,500,000 |
| Spillane | 150,000 | | | | | \$ 150,000 |
| Aquatic Facility Renovation/Demo | 250,000 | | | | | \$ 250,000 |
| Newton Square Veteran's | 50,000 | | | | | \$ 50,000 |
| Crompton Park - CDBG | 250,000 | | | | | \$ 250,000 |
| University Park - CDBG | 50,000 | | | | | \$ 50,000 |
| Subtotal Parks | \$ 2,150,000 | \$ 2,550,000 | \$ 2,275,000 | \$ 2,275,000 | \$ 2,475,000 | \$ 11,725,000 |
| Total Infrastructure | \$ 32,870,000 | \$ 13,330,000 | \$ 12,810,000 | \$ 13,005,000 | \$ 12,490,000 | \$ 84,505,000 |

Fiscal 2011

Recommended Capital Infrastructure Narrative

Citywide

| Description of Project | Priority | Estimated Purchase Amount | Funding Available | Net Cost | Annual Amount |
|---|----------|---------------------------|-------------------|-------------------|------------------|
| DPW & Parks | | | | | |
| Sidewalk Replacement | | | | | |
| Sidewalk Improvements | | 600,000 | - | 600,000 | 79,576 |
| The FY 11 funding for sidewalk improvements and reconstruction equals what was appropriated in FY 10 recognizes the extensive backlog of sidewalks repairs. The general sidewalk program will have a value of \$600,000 and will be used to repair sidewalks throughout the city as selected by the Public Works Committee and affirmed by the City Council. | | | | | |
| ADA Improvements Citywide | | 200,000 | - | 200,000 | 26,525 |
| The city's effort to comply with the Americans and Disabilities Act (ADA) will be funded with \$200,000. The City Manager's Commission on Disability will recommend the locations which will be improved under this program. This is the eighth year that funds have been allocated directly towards the ADA program. These funds would be utilized for the reconstruction of sidewalks, the installation of handicapped curb cuts, and the repair of deteriorated curb cuts. The administration has developed a process with the City Manager's Commission of Disability to identify priority areas of work to be performed. | | | | | |
| Sidewalk / Resurfacing | | 1,000,000 | 250,000 | 750,000 | 99,469 |
| The amount of \$1,000,000 will be allocated within the department's resurfacing program to improve sidewalks in conjunction with street resurfacing. This allocation is made up of Chapter 90 funds (\$250,000) and tax levy capital funds (\$750,000). This allocation associated with resurfacing of streets will provide DPW&P with greater flexibility to repair sidewalks as streets are being resurfaced. It will not only provide for a more complete job (i.e. both street and sidewalks get repairs) but it will also be cost effective since this work will be incidental to the street work. | | | | | |
| Subtotal Sidewalks / Replacements | | 1,800,000 | 250,000 | 1,550,000 | 205,570 |
| Street Resurfacing | | | | | |
| Extended Pavement | | 1,000,000 | - | 1,000,000 | 132,626 |
| This funding will be used to provide cost effective pavement improvements to as many street pavements in the city as possible. The \$1,000,000 will be used to extend the pavement life (10 years) and make the streets drivable. The strategies to be employed will include pavement overlays, selective patching, in place micropave and other known effective options to extend the pavement life, of city streets. | | | | | |
| Street Resurfacing | | 4,800,000 | 2,800,000 | 2,000,000 | 265,252 |
| The funding will allow the DPW&P to continue the successful Street Resurfacing Program with a goal of raising the street network pavement condition index (PCI). This effort will be funded by anticipated Chapter 90 (State) funds of \$2,800,000 and city funds of \$1,500,000 which will allow for the resurfacing of approximately nine (9) miles of streets. | | | | | |
| Private Street Conversion | | 1,500,000 | 1,500,000 | - | - |
| These funds will be used to convert private streets to public. Thirty-one locations have been approved by City Council which total \$6,800,000. This project will be funded by \$2.0 million dollars in tax levy funds and \$5.0 million dollars in abutter assessments. | | | | | |
| Subtotal Street Resurfacing | | 7,300,000 | 4,300,000 | 3,000,000 | 397,878 |
| Fiscal Year 2011 Streets & Sidewalks Improvements | | | | | |
| Streets & Sidewalks Improvements | | 20,000,000 | - | 20,000,000 | 2,652,520 |
| This funding will be used to make improvements to citywide streets and sidewalks. | | | | | |
| Subtotal Fiscal Year 2011 Streets & Sidewalks | | 20,000,000 | - | 20,000,000 | 2,652,520 |

Fiscal 2011

Recommended Capital Infrastructure Narrative

Citywide

| Description of Project | Priority | Estimated Purchase Amount | Funding Available | Net Cost | Annual Amount |
|--|----------|---------------------------|-------------------|-------------------|------------------|
| T.I.P. Design Funding | | | | | |
| Belmont Street (Phase I - 290 to Daniels St.) | | 200,000 | | 200,000 | 26,525 |
| The Belmont St. (Rte.9) project will reconstruct the section from Danials St. to Alvarado Ave. and improve traffic signalization to improve traffic flow, reduce vehicular and pedestrian accidents, and improve environmental impacts caused by congestion. The requested funds will pay for right of way acquisitions. The project estimate is \$5.3 million dollars. | | | | | |
| Winthrop Street Traffic Improvements | | 120,000 | | 120,000 | 15,915 |
| The goals of this project is to improve the safety and efficiency of the Winthrop St. corridor. This roadway links three major north/south arterials connecting Routes 146, 122, and I-290. Vernon, Providence, and Granite Streets all access this corridor. This level of funding will start the design work on this important TIP project. The project estimate is \$1.4 million dollars. | | | | | |
| Lincoln Street (Phase I - Dixon to Beverly) | | 100,000 | | 100,000 | 13,263 |
| This first Phase of the Lincoln St. improvement project will improve vehicle and pedestrian safety along that section of the Lincoln St. corridor from Dixon Ave. to Marsh St. This capital funding will allow for non-participating items such as new hydrants and shadow conduit. Project estimate: \$5.0 million dollars | | | | | |
| Grafton St. (Resurfacing and Intersection Improv) | | 150,000 | | 150,000 | 19,894 |
| The Grafton St. corridor, from Washington Square to Rice Square suffers from congestion and physical deterioration. This project will renovate three major intersections (Posner Sq., Billings Sq., and Rice Sq.) and improve three other signalized locations. The goal is to improve the flow of traffic throughout the corridor and to improve pedestrian activities. This | | | | | |
| Gateway I Quinsigamond | | 1,000,000 | | 1,000,000 | 132,626 |
| Improved access to the Central Business District, and mitigation of the additional traffic volume from the recently completed Route 146 Project are the goals of this project. The tasks include widening Quinsigamond Ave. to provide additional vehicular capacity and add bike accommodations as well as improving three intersections along Southbridge St. This funding | | | | | |
| Subtotal T.I.P. Design Funding | | 1,570,000 | - | 1,570,000 | 208,223 |
| DPW - Other | | | | | |
| Bridge Rehabilitation | | 50,000 | | 50,000 | 6,631 |
| The City owns, and DPW & P is responsible for, a number of bridges throughout the city. This level of funding will allow for minor improvement and/or corrective measures to these important structures. | | | | | |
| DPW - Other | | 50,000 | - | 50,000 | 6,631 |
| Total DPW | | 30,720,000 | 4,550,000 | 26,170,000 | 3,470,822 |

Fiscal 2011

Recommended Capital Infrastructure Narrative

Citywide

| Description of Project | Priority | Estimated Purchase Amount | Funding Available | Net Cost | Annual Amount |
|---|----------|---------------------------|-------------------|-------------------|------------------|
| Parks | | | | | |
| Crompton Park/Greenwood This reinvestment will be used toward the completion of Crompton Park upgrades and improvements at Greenwood Street. | 1 | 650,000 | - | 650,000 | 51,958 |
| Greenhill Park This investment will be used to begin additional construction projects within Green Hill Park to include the removal of the current restrooms and former Connie Mack Little League building as well as the construction of a new restroom facility within the Park. | 1 | 100,000 | | 100,000 | 7,994 |
| Landfill Monitoring This funding will be used to complete required (by the Commonwealth of Massachusetts Department of Environmental Protection) well monitoring at the Green Hill Park Athletic Facility a former landfill. Additionally this funding will support the review and monitoring of the vernal pools throughout Green Hill Park. | 1 | 50,000 | - | 350,000 | 27,978 |
| Logan Field This funding will be used to complete improvements at Logan Field. | 1 | 350,000 | - | 50,000 | 3,997 |
| Bennett Field This funding will be used to complete improvements at Bennett Field. | 1 | 250,000 | - | 250,000 | 19,984 |
| Spillane This funding will be used to complete improvements at the Spillane Baseball Diamond at Bailey Field. | 1 | 150,000 | | 150,000 | 11,990 |
| Aquatic Facilities Funding will allow for demolition of city aquatic facilities, including city pools. | 1 | 250,000 | - | 250,000 | 19,984 |
| Newton Square Veteran's This funding will be used for improvements at the Newton Square Veteran's Memorial. | 1 | 50,000 | | 50,000 | 3,997 |
| Crompton Park This funding will be used to redefine the current Master Plan and begin the process of redevelopment of some areas of the Park. A final program will be determined by the outcome of the revised Master Plan. | 1 | 250,000 | 250,000 | - | - |
| University Park This funding will be used to begin implementation of the University Park Master Plan. Work would include electrical upgrades, new lighting, security cameras, and other site amenities. | 1 | 50,000 | 50,000 | - | - |
| Total Parks | | 2,150,000 | 300,000 | 1,850,000 | 147,882 |
| Total Citywide Infrastructure | | 32,870,000 | 4,850,000 | 28,020,000 | 3,618,704 |

Fiscal 2011 - 2015

Capital Building Rehabilitation Budget

Citywide

| | Recommended by City Manager | | | | | TOTALS |
|---|--------------------------------|------------|--------|--------|--------|------------|
| Description | 2011 | 2012 | 2013 | 2014 | 2015 | 2011-2015 |
| City Manager's Office | | | | | | |
| Worcester Senior Center | | | | | | |
| Parking Lot Purchase/Renovation | | 500,000 | | | | \$ 500,000 |
| Subtotal Worcester Senior Center | \$ - | \$ 500,000 | \$ - | \$ - | \$ - | \$ 500,000 |
| Total City Manager's Office | \$ - | \$ 500,000 | \$ - | \$ - | \$ - | \$ 500,000 |
| Public Safety | | | | | | |
| Fire Department | | | | | | |
| Grove Street Deteriorated Apparatus Floor | | | 10,000 | | | \$ 10,000 |
| Grove Street Stair Treads and Landings | | 2,500 | | | | \$ 2,500 |
| Grove Street Apparatus Bay Ceilings | | 6,000 | | | | \$ 6,000 |
| Grove Street Window Replacement | 35,000 | | | 35,000 | | \$ 70,000 |
| Grove Street Watchroom Floor Tiles | | 1,500 | | | | \$ 1,500 |
| Southbridge Street Deteriorated Apparatus Floor | | | 12,000 | | | \$ 12,000 |
| Southbridge Street Stair Treads and Landings | | 4,000 | | | | \$ 4,000 |
| Southbridge Street Emergency Generator System | 30,000 | | | | | \$ 30,000 |
| Park Ave Front and Rear Entry Doors | | 3,000 | | | | \$ 3,000 |
| Park Ave Ceiling Repair | | | 1,200 | | | \$ 1,200 |
| Grafton Street Bathroom Ceiling and Vents | | 1,500 | | | | \$ 1,500 |
| Tatnuck Ceiling Repair | | | 3,000 | | | \$ 3,000 |
| Tatnuck Generator | 15,000 | | | | | \$ 15,000 |
| Tatnuck Asbestos Abatement | | 6,000 | | | | \$ 6,000 |
| Tatnuck Apparatus Landing and Apron | | | | | 4,500 | \$ 4,500 |
| Tatnuck Roof | 38,000 | | | 38,000 | | \$ 76,000 |
| Burncoat Apparatus Floor and Front Driveway | 8,000 | | 8,500 | | | \$ 16,500 |
| Burncoat Windows | 22,000 | | | | 22,000 | \$ 44,000 |
| Greendale Front Entrance and Apron | | | | 14,000 | | \$ 14,000 |

Fiscal 2011 - 2015

Capital Building Rehabilitation Budget

Citywide

| | Recommended by City Manager | | | | | TOTALS |
|---|--------------------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| Description | 2011 | 2012 | 2013 | 2014 | 2015 | 2011-2015 |
| Greendale Tile and Shower Fixture Replacement | | 3,500 | | | | \$ 3,500 |
| Greendale Windows | 27,000 | | 27,000 | | | \$ 54,000 |
| Training Division - Side Handicap Entrance | | 2,800 | | | | \$ 2,800 |
| Keon Rd and Webster Square HVAC System Overhaul | 25,000 | | | | | \$ 25,000 |
| Subtotal Worcester Fire Department | \$ 200,000 | \$ 30,800 | \$ 61,700 | \$ 87,000 | \$ 26,500 | \$ 406,000 |
| POLICE DEPARTMENT | | | | | | |
| Rehabilitation of Service Division & Detective Bureau | 215,000 | | | | | \$ 215,000 |
| Total Worcester Police Dept | \$ 215,000 | \$ - | \$ - | \$ - | \$ - | \$ 215,000 |
| Total Public Safety | \$ 415,000 | \$ 30,800 | \$ 61,700 | \$ 87,000 | \$ 26,500 | \$ 621,000 |
| Public Works & Parks | | | | | | |
| Public Works - Administration | | | | | | |
| Streets/Central Garage Building Repairs | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | \$ 1,250,000 |
| Total Public Works - Administration | \$ 250,000 | \$ 250,000 | \$ 250,000 | \$ 250,000 | \$ 250,000 | \$ 2,000,000 |
| Total Public Works | \$ 250,000 | \$ 250,000 | \$ 250,000 | \$ 250,000 | \$ 250,000 | \$ 2,000,000 |
| Parks | | | | | | |
| Lake Park | 150,000 | | | | | \$ 150,000 |
| Project Management Salaries | | 20,000 | 20,000 | 20,000 | 20,000 | \$ 80,000 |
| Greenwood Park | | 250,000 | | | | \$ 250,000 |
| Elm Park | | 250,000 | | | | \$ 250,000 |
| Hope Cemetery Building Renovations/Upgrades | | 150,000 | 150,000 | 150,000 | 150,000 | \$ 600,000 |
| South Worcester | | | 250,000 | | | \$ 250,000 |
| Shore Park | | | 250,000 | | | \$ 250,000 |
| Bell Pond | | | | 250,000 | | \$ 250,000 |
| Coes Pond | | | | 250,000 | | \$ 250,000 |
| Mulcahy Field | | | | | 250,000 | \$ 250,000 |
| Indian Lake House Renovations | | | | | 250,000 | \$ 250,000 |
| Total Parks | \$ 150,000 | \$ 670,000 | \$ 670,000 | \$ 670,000 | \$ 670,000 | \$ 2,830,000 |

Fiscal 2011 - 2015

Capital Building Rehabilitation Budget

Citywide

| Description | Recommended by City Manager | | | | | TOTALS |
|--|--------------------------------|--------------|--------------|--------------|--------------|---------------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2011-2015 |
| City Messenger | | | | | | |
| City Hall Roof Repair | | 100,000 | 500,000 | 500,000 | 500,000 | \$ 1,600,000 |
| City Hall Renovations | | 100,000 | 100,000 | 100,000 | 100,000 | \$ 400,000 |
| City Hall Fire Alarm System | | 500,000 | | | 200,000 | \$ 700,000 |
| City Hall Electrical Renovations/Upgrades | | 300,000 | 300,000 | 800,000 | | \$ 1,400,000 |
| City Hall ADA Toilet Room Renovations | | 600,000 | 500,000 | | | \$ 1,100,000 |
| City Hall Carpet/Floor Replacement | | 400,000 | | | 200,000 | \$ 600,000 |
| City Hall Office Upgrades | | 100,000 | 100,000 | 100,000 | 100,000 | \$ 400,000 |
| City Hall Generator | | 100,000 | 100,000 | 300,000 | 200,000 | \$ 700,000 |
| City Hall Building Outside Cleaning and Repainting | | | 300,000 | 300,000 | 400,000 | \$ 1,000,000 |
| City Hall Door Renovations | | | | | 300,000 | \$ 300,000 |
| Total City Messenger | \$ - | \$ 2,200,000 | \$ 1,900,000 | \$ 2,100,000 | \$ 2,000,000 | \$ 8,200,000 |
| Total Parks | \$ 150,000 | \$ 2,870,000 | \$ 2,570,000 | \$ 2,770,000 | \$ 2,670,000 | \$ 11,030,000 |
| Public Schools | | | | | | |
| Worcester Public Schools Building Rehabilitation | 6,000,000 | | | | | |
| Subtotal Public Schools | \$ 6,000,000 | \$ 3,000,000 | \$ 3,000,000 | \$ 3,000,000 | \$ - | \$ 9,000,000 |
| Citywide ESCOS | \$ 51,500,000 | \$ - | \$ - | \$ - | \$ - | \$ 51,500,000 |
| Citywide Building Rehabilitation | \$ 58,315,000 | \$ 6,650,800 | \$ 5,881,700 | \$ 6,107,000 | \$ 2,946,500 | \$ 74,651,000 |

Fiscal 2011

Recommended Capital Rehabilitation Narrative

Citywide

| Description of Project | Priority | Estimated Purchase Amount | Funding Available | Net Cost | Annual Amount |
|---|----------|------------------------------|----------------------|---------------|------------------|
| Public Safety | | | | | |
| Fire | | | | | |
| Grove Street Window Replacement | 1 | 35,000 | - | 35,000 | 2,989 |
| The windows in the Grove Street Fire Station building are the original single pane, energy efficient windows. Replacement of these windows would increase the energy efficiency of the station and in turn, lower the utility invoices. | | | | | |
| Southbridge Street Emergency Generator System | 1 | 30,000 | - | 30,000 | 2,562 |
| The antiquated emergency generator was installed prior to the implementation of the Plymovent exhaust system and overhead doors. Therefore, the generator is inadequate to handle the load required for these systems. | | | | | |
| Tatnuck Generator | 1 | 15,000 | - | 15,000 | 1,281 |
| This station has no emergency backup to power the overhead doors, lighting and plymovent system in the event of an outage. A 10 KW generator would suffice to handle this load. | | | | | |
| Tatnuck Roof | 1 | 38,000 | - | 38,000 | 3,245 |
| The original roofing materials are worn and have been compromised over the years. A new roof is needed for this station. | | | | | |
| Burncoat Windows | 1 | 22,000 | - | 22,000 | 1,879 |
| The windows in the station are the original double pane, no insulative property windows. They are energy inefficient and need to be replaced. | | | | | |
| Burncoat Apparatus Floor & Front Driveway | 1 | 8,000 | - | 8,000 | 683 |
| Some of the areas of the floor have deteriorated as well as an improper pitch away from the drain. The front driveway apron area has large settled areas against building and towards side entry door and parking area. | | | | | |
| Greendale Windows | 1 | 27,000 | - | 27,000 | 2,306 |
| These are the original double hung wood frame windows, many of which are in disrepair. They are energy inefficient and need to be replaced. | | | | | |

Fiscal 2011

Recommended Capital Rehabilitation Narrative

Citywide

| Description of Project | Priority | Estimated Purchase Amount | Funding Available | Net Cost | Annual Amount |
|--|----------|---------------------------|-------------------|----------------|---------------|
| Keon Road & Webster Square HVAC System Overhaul | 1 | 25,000 | - | 25,000 | 2,135 |
| <p>Both of these stations when built were equipped with proprietary computerized HVAC systems. Over the years, it has proven to be very costly and difficult to control these systems. We have tried in the past to work with the company who has control of these systems to correct the continuous problem but have gotten no results. One of the major issues with this system is that it causes the heat and the air conditioning to run simultaneously. This results in exorbitant utility bills. The City's HVAC vendor has done an assessment of the system and has proposed a plan to troubleshoot and repair accordingly. This situation occurs at both McKeon Road and Webster Square Fire Stations.</p> | | | | | |
| Subtotal Fire | | 200,000 | - | 200,000 | 17,079 |

Police

| | | | | | |
|--|----------|----------------|---|----------------|---------------|
| Rehab of Service Division & Detective Bureau | 1 | 215,000 | - | 215,000 | 18,360 |
| <p>This request is a continuation of the rehabilitation of police headquarters to include the rehab of the service division and detective bureau to include painting, flooring replacement, electrical upgrades, workstations, computer wiring upgrades and lighting. These divisions have not be updated since the building opened in 1978.</p> | | | | | |
| Subtotal Police | | 215,000 | - | 215,000 | 18,360 |

Total Public Safety

415,000

-

415,000

35,440

Public Works & Parks

Administration

| | | | | | |
|---|----------|----------------|---|----------------|---------------|
| Building Rehabilitation | 1 | 250,000 | - | 250,000 | 21,349 |
| <p>This funding will allow for a professional needs study to be done on the building located at Albany Street. This study will focus on determining what required repairs and improvements must be done to ensure these buildings are safe and functional. A cost analysis will also be performed to determine future rehabilitation costs for these existing structures versus the potential option of acquiring a new building at some point in time. Additionally, a portion of these funds will be utilized to maintain a safe and healthy working environment by addressing problems with the HVAC, roofing, plumbing, electrical, flooring, and other areas of concern.</p> | | | | | |
| Subtotal Public Works - Administration | | 250,000 | - | 250,000 | 21,349 |

Fiscal 2011

Recommended Capital Rehabilitation Narrative

Citywide

| Description of Project | Priority | Estimated Purchase Amount | Funding Available | Net Cost | Annual Amount |
|--|----------|------------------------------|----------------------|-------------------|-------------------|
| Parks & Recreation | | | | | |
| Lake Park | 1 | 150,000 | | 150,000 | 11,990 |
| This reinvestment will be allocated to perform general renovations/upgrades to the three building at Lake Park. Improvements would include mechanical (heating & cooling), electrical, restroom, aesthetics and general repairs. | | | | | |
| Subtotal City Messenger | | 150,000 | - | 150,000 | 11,990 |
| Total Public Works and Parks | | | | | |
| | | 400,000 | - | 400,000 | 33,340 |
| Public Schools | | | | | |
| Public Schools Building Rehabilitation | 1 | 6,000,000 | | 6,000,000 | 1,330,377 |
| This funding will be distributed through the Worcester Public School system for various building rehabilitation projects. | | | | | |
| Subtotal Public Schools | | 6,000,000 | - | 6,000,000 | 1,330,377 |
| Citywide ESCOS | | 51,500,000 | | 51,500,000 | 11,419,069 |
| Citywide Building Rehabilitation | | 58,315,000 | - | 58,315,000 | 12,818,225 |

Fiscal 2011 - 2015

Capital Improvement Program

Citywide Equipment

| | Recommended by Manager | | | | | TOTALS |
|--|---------------------------|------------|-----------|----------|----------|------------|
| Description | 2011 | 2012 | 2013 | 2014 | 2015 | 2011-2015 |
| City Manager's Office | | | | | | |
| Library | | | | | | |
| English/Spanish Preschool Learning Stations (6) | | 21,500 | | | | \$ 21,500 |
| Exterior Book Return - FP Branch | | 9,000 | | | 9,000 | \$ 18,000 |
| Self Check Stations | | 22,200 | | | | \$ 22,200 |
| Scanner for Website Content | | 1,500 | | | | \$ 1,500 |
| RFID/Self Check System for FP Branch | | 60,000 | | | | \$ 60,000 |
| Video Conferencing System - IT | | 35,000 | | | | \$ 35,000 |
| Laptops | | 1,600 | | | | \$ 1,600 |
| Card Access - Building Services | | 12,000 | | | | \$ 12,000 |
| 18HP Snow Blower | | 3,000 | | | | \$ 3,000 |
| Shelving - FP Branch | | 4,500 | | | | \$ 4,500 |
| DVD/CD-Rom Repair System | | 2,000 | | | | \$ 2,000 |
| Children's Furniture - FP Branch | | 20,000 | | | | \$ 20,000 |
| Cleaning Supply Cart | | 1,800 | 1,800 | | | \$ 3,600 |
| HVAC System - BCU Spare | | 6,000 | | | | \$ 6,000 |
| Subtotal Worcester Public Library | \$ - | \$ 200,100 | \$ 1,800 | \$ - | \$ 9,000 | \$ 210,900 |
| Worcester Senior Center | | | | | | |
| Eight (8) Personal Computers | | 1,870 | 1,870 | 1,870 | | \$ 5,610 |
| Two (2) Laser Printers | | 1,370 | | | | \$ 1,370 |
| Subtotal Worcester Senior Center | \$ - | \$ 3,240 | \$ 1,870 | \$ 1,870 | \$ - | \$ 6,980 |
| Planning & Regulatory Services | | | | | | |
| Color Copier Replacement | | | 16,000 | | | \$ 16,000 |
| Subtotal Planning & Regulatory Services | \$ - | \$ - | \$ 16,000 | \$ - | \$ - | \$ 16,000 |
| Total City Manager's Office | \$ - | \$ 200,100 | \$ 17,800 | \$ - | \$ 9,000 | \$ 226,900 |
| Administration & Finance | | | | | | |
| Assessing | | | | | | |
| Capital Street Level Imagery | 69,000 | | | | | \$ 69,000 |
| PRC Scanning Software | 22,000 | | | | | \$ 22,000 |
| Building Footprint Conversion | 12,000 | | | | | \$ 12,000 |
| Subtotal Assessing | \$ 103,000 | \$ - | \$ - | \$ - | \$ - | \$ 103,000 |

Fiscal 2011 - 2015

Capital Improvement Program

Citywide Equipment

| | | | | | | TOTALS |
|--|---------------------------|------------|------------|------------|-----------|--------------|
| Description | Recommended by Manager | | | | | 2011-2015 |
| | 2011 | 2012 | 2013 | 2014 | 2015 | |
| Contingency | | | | | | |
| Citywide Contingency | 80,000 | 50,000 | 50,000 | 50,000 | 50,000 | \$ 280,000 |
| Total Contingency | \$ 80,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 280,000 |
| Technical Services | | | | | | |
| Email Archive System | | 10,000 | | | | \$ 10,000 |
| UPS Battery Replacement | 10,000 | | | | | \$ 10,000 |
| Data Storage Increase | 35,000 | | 35,000 | | | \$ 70,000 |
| GIS Interactive Maps on Website | | 25,000 | | | | \$ 25,000 |
| Network Security Upgrades | | 90,000 | | | | \$ 90,000 |
| Firewall Upgrade | | 55,000 | | | | \$ 55,000 |
| Citywide Data Wiring Upgrade | | 400,000 | | | | \$ 400,000 |
| Citywide Server Replacement | | | | 300,000 | | \$ 300,000 |
| Subtotal Technical Services | \$ 45,000 | \$ 580,000 | \$ 35,000 | \$ 300,000 | \$ - | \$ 960,000 |
| Total Administration & Finance | \$ 228,000 | \$ 630,000 | \$ 85,000 | \$ 350,000 | \$ 50,000 | \$ 1,343,000 |
| Inspectional Services | | | | | | |
| Building and Zoning Division | | | | | | |
| Permitting Software Database | 250,000 | | | | | \$ 250,000 |
| Five (5) Laptop Computers | | | 10,000 | | | \$ 10,000 |
| Two (2) Standard Size Sedans | | | 28,000 | | 28,000 | \$ 56,000 |
| Copy Machine/Printer | | 6,000 | | 60,000 | | \$ 66,000 |
| Two (2) Personal Computers | | 3,000 | 30,000 | | | \$ 33,000 |
| One (1) Sedan | | | 140,000 | | 19,000 | \$ 159,000 |
| one (1) small four wheel drive vehicle | | | 19,000 | | | \$ 19,000 |
| Subtotal Building and Zoning Division | \$ 250,000 | \$ 9,000 | \$ 227,000 | \$ 60,000 | \$ 47,000 | \$ 593,000 |
| Housing/Health Inspections Division | | | | | | |
| one (1) Four wheel drive truck | | | | | 19,000 | \$ 19,000 |
| Six (6) Laptop Computers | 12,000 | 12,000 | | | | \$ 24,000 |
| One (1) Sedan | | 14,000 | 14,000 | 14,000 | | \$ 42,000 |
| Copy Machine/Printer | | 6,000 | | 6,000 | | \$ 12,000 |
| Two (2) Personal Computers | | 3,000 | | 30,000 | | \$ 33,000 |
| one (1) Four wheel drive truck | | | 20,000 | | | \$ 20,000 |
| Ten (10) laptop Computers | | | | 20,000 | | \$ 20,000 |
| Four (4) Personal Computers | | | | | 6,000 | \$ 6,000 |
| Subtotal Housing/Health Inspections | \$ 12,000 | \$ 35,000 | \$ 34,000 | \$ 70,000 | \$ 25,000 | \$ 176,000 |
| Total Inspectional Services | \$ 262,000 | \$ 44,000 | \$ 261,000 | \$ 130,000 | \$ 72,000 | \$ 769,000 |

Fiscal 2011 - 2015

Capital Improvement Program

Citywide Equipment

| Description | Recommended by Manager 2011 | 2012 | 2013 | 2014 | 2015 | TOTALS 2011-2015 |
|---|-----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Public Safety | | | | | | |
| Fire | | | | | | |
| Ladder Truck | 158,800 | | 900,000 | | | \$ 1,058,800 |
| Radio Equipment - Engine 8 | 21,000 | 375,000 | | 375,000 | 375,000 | \$ 1,146,000 |
| Turnout Gear | 70,000 | 21,000 | 21,000 | 21,000 | | \$ 133,000 |
| Thermal Imaging Cameras (2) | 26,000 | | 26,000 | | 26,000 | \$ 78,000 |
| Self Contained Breathing Apparatus Bottles | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | \$ 35,000 |
| Defibrillators (2) | 4,000 | | | 4,000 | | \$ 8,000 |
| Mig Welder | 1,500 | | | | | \$ 1,500 |
| Dry Suits | 3,600 | | 3,650 | | 3,650 | \$ 10,900 |
| GIS Printer | 4,000 | | | | | \$ 4,000 |
| Color Laser Printer with kits | 4,100 | | | | | \$ 4,100 |
| Scuba Fins | | | | 500 | | \$ 500 |
| SCBA Bottles | | 5,000 | | 5,000 | | \$ 10,000 |
| PCs for Department (12) | | 5,000 | | 5,000 | | \$ 10,000 |
| Tear-Sheet Printers (11) | | 10,000 | | | 10,000 | \$ 20,000 |
| CBRN Upgrades (50) | | 1,000 | | | 1,000 | \$ 2,000 |
| Hose Replacement | | | 1,000 | | | \$ 1,000 |
| Total Worcester Fire Department | \$ 300,000 | \$ 424,000 | \$ 958,650 | \$ 417,500 | \$ 422,650 | \$ 2,522,800 |
| POLICE DEPARTMENT | | | | | | |
| Marked Police Cruiser (Ford Crown Victoria) (12) | 220,500 | 400,000 | 420,000 | 441,000 | 463,100 | \$ 1,944,600 |
| Replacement Laptops (20) | | 40,000 | 42,000 | 44,100 | 46,300 | \$ 172,400 |
| Unmarked Police Cruiser (Ford Taurus) (10) | 99,000 | 250,000 | 262,500 | 275,700 | 289,400 | \$ 1,176,600 |
| Motorcycles (1) | | 20,000 | 21,000 | 22,100 | 23,200 | \$ 86,300 |
| Vice/Detective Bureau Evidence Monitoring System | 8,900 | | | | | \$ 8,900 |
| Cell Room Check Monitoring System | 8,000 | | | | | \$ 8,000 |
| Forensic Video Analysis Hardware/Software Upgrade | 49,000 | | | | | \$ 49,000 |
| Nikon D3 Digital Camera | 4,600 | | | | 10,000 | \$ 14,600 |
| Total Worcester Police Department | \$ 390,000 | \$ 710,000 | \$ 745,500 | \$ 782,900 | \$ 832,000 | \$ 3,460,400 |
| Total Public Safety | \$ 690,000 | \$ 1,134,000 | \$ 1,704,150 | \$ 1,200,400 | \$ 1,254,650 | \$ 5,983,200 |

Fiscal 2011 - 2015

Capital Improvement Program

Citywide Equipment

| | Recommended by Manager | | | | | TOTALS |
|---|---------------------------|-------------------|-------------------|------------------|------------------|-------------------|
| Description | 2011 | 2012 | 2013 | 2014 | 2015 | 2011-2015 |
| Public Works & Parks | | | | | | |
| Engineering | | | | | | |
| Sedan | 20,000 | | | | | \$ 20,000 |
| Printer/Plotter | 14,000 | | | | | \$ 14,000 |
| Photocopier | 6,000 | | | | | \$ 6,000 |
| Pickup Truck | 20,000 | 40,000 | 40,000 | 40,000 | 40,000 | \$ 180,000 |
| Computer Equipment | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | \$ 20,000 |
| Traffic Signal Parts | 44,000 | 50,000 | 50,000 | | | \$ 144,000 |
| GPS Locator | | 30,000 | | | | \$ 30,000 |
| Auto-Sub-Compact (P.C.O.) | | 20,000 | 20,000 | 20,000 | | \$ 60,000 |
| Computer Software | | 3,000 | 3,000 | | | \$ 6,000 |
| Parking Meter Maintenance Van | | 25,000 | | | | \$ 25,000 |
| Sub-Total Engineering | \$ 108,000 | \$ 172,000 | \$ 117,000 | \$ 64,000 | \$ 44,000 | \$ 505,000 |
| Central Garage | | | | | | |
| Pickup Truck 4x4 | 25,000 | | | | | \$ 25,000 |
| Misc. Tools & Equipment | 15,000 | 10,000 | 10,000 | | | \$ 35,000 |
| Stock Room Shelving / Storage | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | \$ 50,000 |
| Ramp Type | | 80,000 | | | | \$ 80,000 |
| PC Hardware | | 5,000 | | | | \$ 5,000 |
| Used Wrecker | | | 150,000 | | | \$ 150,000 |
| Outdoor Lamps | | | | 15,000 | | \$ 15,000 |
| Pickup Truck 3/4 Ton 4wd | | | | 33,000 | | \$ 33,000 |
| Sub-Total Central Garage | \$ 50,000 | \$ 105,000 | \$ 170,000 | \$ 58,000 | \$ 10,000 | \$ 393,000 |
| Streets/Sanitation | | | | | | |
| 7 Yd. AWD Loadpacker | 80,000 | | | 75,000 | | \$ 155,000 |
| 1 Ton AWD Crew Cabs w/ Utility Bodies (2) | 92,000 | 90,000 | | 110,000 | | \$ 292,000 |
| 20 Yd Loadpacker | | 280,000 | 290,000 | 150,000 | 160,000 | \$ 880,000 |
| 1/2 Ton AWD Pickup Trucks (2) | 60,000 | 80,000 | 70,000 | 80,000 | 80,000 | \$ 370,000 |
| 2 Way Radios | 10,000 | | | | 10,000 | \$ 20,000 |
| Dump Truck 5T w/ Plow (w/ U.B. Sander) | | 160,000 | 320,000 | 170,000 | 170,000 | \$ 820,000 |
| Sander and Plow | | 100,000 | | | | \$ 100,000 |
| Front End Loader 938 | | 150,000 | | | | \$ 150,000 |
| Asphalt Spreader | | | 300,000 | | | \$ 300,000 |
| Utility Vehicle - 4WD | | | 40,000 | | | \$ 40,000 |
| Miscellaneous Tools | | | 5,000 | | | \$ 5,000 |

Fiscal 2011 - 2015

Capital Improvement Program

Citywide Equipment

| | | | | | | TOTALS |
|---|---------------------------|---------------------|---------------------|---------------------|-------------------|---------------------|
| Description | Recommended by Manager | | | | | 2011-2015 |
| | 2011 | 2012 | 2013 | 2014 | 2015 | |
| 1-1/2 Ton Pickup | | | 90,000 | | | \$ 90,000 |
| Front End Loader 950 | | | 160,000 | | | \$ 160,000 |
| Ten Wheeler w/ Plow (w/ U.B. Sander) | | | | 350,000 | | \$ 350,000 |
| Roller 1 Ton w/trailer | | | | 60,000 | | \$ 60,000 |
| Berm Machine w/ trailer | | | | 8,000 | | \$ 8,000 |
| 2 Ton Dump Truck | | | | | 130,000 | \$ 130,000 |
| Cold Planer | | | | | 110,000 | \$ 110,000 |
| Sub-Total Streets / Sanitation | \$ 242,000 | \$ 860,000 | \$ 1,275,000 | \$ 1,003,000 | \$ 660,000 | \$ 4,040,000 |
| Total Public Works | \$ 400,000 | \$ 1,137,000 | \$ 1,562,000 | \$ 1,125,000 | \$ 714,000 | \$ 4,938,000 |
| Parks Administration | | | | | | |
| High Speed Copier | | | | | 20,000 | \$ 20,000 |
| Holiday Lighting Christmas Tree | | 25,000 | | 25,000 | | \$ 50,000 |
| Capital Software Improvement Upgrade | | 7,500 | | 4,000 | 4,000 | \$ 15,500 |
| Computerized Irrigation Control | | 30,000 | | 15,000 | | \$ 45,000 |
| Computer Work Stations | | 5,000 | | 15,000 | | \$ 20,000 |
| Mobile Plan Center | | | 3,000 | | | \$ 3,000 |
| 42" Color Scanner/Printer | | | 36,000 | | | \$ 36,000 |
| Magnetic Locator | | | | 2,500 | | \$ 2,500 |
| Underground Wire/Pipe Locator | | | | 2,500 | | \$ 2,500 |
| Adobe Software License | | | | 3,000 | | \$ 3,000 |
| Network Printer | | | | 4,000 | | \$ 4,000 |
| Laptop Computer (2) | | | | 4,000 | | \$ 4,000 |
| Department Server | | | | | 20,000 | \$ 20,000 |
| Projector Laptop | | | | | 4,000 | \$ 4,000 |
| High Resolution Scanner | | | | | 3,000 | \$ 3,000 |
| Permit Tracking Computer System/ Upgrade | | | | | 5,000 | \$ 5,000 |
| Subtotal Parks Administration | \$ - | \$ 67,500 | \$ 39,000 | \$ 75,000 | \$ 56,000 | \$ 237,500 |
| Parks & Recreation | | | | | | |
| 16' Riding Mower | 80,000 | | 70,000 | | | \$ 150,000 |
| 72" Riding Mower w/ Attachments | 35,000 | | 28,000 | | 28,000 | \$ 91,000 |
| Chippers | 20,000 | 40,000 | | | | \$ 60,000 |
| Trailers | | | | | 12,000 | \$ 12,000 |
| Mobile Performance Platform Stage/Bleachers | | 75,000 | | | | \$ 75,000 |
| 3/4 Ton 4 Wheel Drive Pick-up w/ Plow | | 30,000 | 30,000 | 30,000 | 30,000 | \$ 120,000 |
| Dove Tail Trailer | | 5,000 | | | 5,000 | \$ 10,000 |

Fiscal 2011 - 2015

Capital Improvement Program

Citywide Equipment

| Description | Recommended by Manager | | | | | TOTALS |
|------------------------------------|---------------------------|--------|--------|--------|--------|-----------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2011-2015 |
| 3/4 Ton 4 Wheel Drive Pick-up | | 30,000 | | | | \$ 30,000 |
| Safety Cabinets | | 20,000 | | | | \$ 20,000 |
| 4 Wheel Drive Utility Vehicles | | 26,000 | | | 25,000 | \$ 51,000 |
| 1/2 Ton 4 Wheel Drive Truck | | 25,000 | 25,000 | | | \$ 50,000 |
| 1 Ton Dump w/ Plow | | 45,000 | | 45,000 | | \$ 90,000 |
| Trash Receptacles | | 10,000 | | | | \$ 10,000 |
| Vehicle Radios | | 4,000 | | 4,000 | 4,000 | \$ 12,000 |
| Sidewinder Recycling Mower | | | 50,000 | | | \$ 50,000 |
| Enclosed Landscape Trailer | | | 10,000 | | | \$ 10,000 |
| Utility All-Terrain 4x4 Drive Dump | | | 20,000 | | 20,000 | \$ 40,000 |
| 12' Rack Body Truck | | | 35,000 | | 35,000 | \$ 70,000 |
| Heavy Duty Snow Blowers | | | 10,000 | | 10,000 | \$ 20,000 |
| Portable Generator | | | 15,000 | | 5,000 | \$ 20,000 |
| Mud Suckers | | | 4,000 | | 4,000 | \$ 8,000 |
| Top Dresser | | | 30,000 | | | \$ 30,000 |
| Replacement decks for mowers | | | 7,000 | | | \$ 7,000 |
| Garage Lift | | | | 10,000 | | \$ 10,000 |
| Sod Cutter | | | | 4,000 | | \$ 4,000 |
| Leaf Vac | | | | 25,000 | | \$ 25,000 |
| Hydro Seeder | | | | 4,000 | | \$ 4,000 |
| 72" Vacuum Mower | | | | 25,000 | | \$ 25,000 |
| Mechanics Tool Box | | | | 5,000 | | \$ 5,000 |
| Portable Pumps | | | | 5,000 | | \$ 5,000 |
| 3/4 Ton Utility Van | | | | 30,000 | | \$ 30,000 |
| Ballfied Machine | | | | 20,000 | | \$ 20,000 |
| Truck Mounted Leaf Machine | | | | 20,000 | | \$ 20,000 |
| 18' Utility Trailer | | | | 4,000 | 4,000 | \$ 8,000 |
| Skid Steer Loader/Backhoe | | | | 50,000 | | \$ 50,000 |
| 3/4 Ton Crew Cap PU | | | | 30,000 | | \$ 30,000 |
| Flail Mower | | | | 20,000 | 20,000 | \$ 40,000 |
| Portable Radios | | | | 10,000 | | \$ 10,000 |
| Air Compressor | | | | | 15,000 | \$ 15,000 |
| Tractor Front End Loader | | | | | 75,000 | \$ 75,000 |

Fiscal 2011 - 2015

Capital Improvement Program

Citywide Equipment

| Description | Recommended by Manager | | | | | TOTALS |
|--------------------------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2011-2015 |
| YF Sweeper Turf | | | | | 10,000 | \$ 10,000 |
| Water Buffalo | | | | | 5,000 | \$ 5,000 |
| Subtotal Parks and Recreation | \$ 135,000 | \$ 310,000 | \$ 334,000 | \$ 341,000 | \$ 307,000 | \$ 1,427,000 |
| Cemetery | | | | | | |
| 38" Riding Mowers (3) | | 12,000 | 12,000 | 12,000 | 12,000 | \$ 48,000 |
| Leaf Blower Attachments | | 4,000 | | | 8,000 | \$ 12,000 |
| Replacement Decks for Mower | | 7,000 | | | | \$ 7,000 |
| Utility All-terrain 4X4 Drive Dump | | 30,000 | | 20,000 | | \$ 50,000 |
| 4x4 Utility Body Truck w/ Plow | | 36,000 | | | | \$ 36,000 |
| Data Storage Software System | | 60,000 | 120,000 | 60,000 | 60,000 | \$ 300,000 |
| Gas Powered Jack Hammer | | 5,000 | | | | \$ 5,000 |
| 3/4 Ton PU w/ Plow | | 32,000 | 30,000 | 30,000 | 30,000 | \$ 122,000 |
| Pneumatic Hand Compactor | | 3,000 | | 3,000 | | \$ 6,000 |
| Backhoe w/ Attachments | | 100,000 | | | | \$ 100,000 |
| Vacuum Attachment | | | 2,500 | | | \$ 2,500 |
| 72" 4x4 Rotary Mower w/ Attachment | | | 30,000 | | 30,000 | \$ 60,000 |
| 22" Hand Rotary Mowers | | | 3,000 | | 3,000 | \$ 6,000 |
| Burial Tents w/accessories | | | 4,500 | | 4,500 | \$ 9,000 |
| Self Contained Vacuum Loader | | | 50,000 | | | \$ 50,000 |
| Lowering Devices | | | | 6,000 | | \$ 6,000 |
| Mud Tracks | | | | 4,000 | | \$ 4,000 |
| Truck Mounted Leaf Machine | | | | 18,000 | | \$ 18,000 |
| 1 Ton Dump Truck 4 Wheel | | | | | 45,000 | \$ 45,000 |
| Stainless Steel Sander | | | | | 6,000 | \$ 6,000 |
| Portable Radios | | | | | 5,000 | \$ 5,000 |
| Air Compressor w/ Attachments | | | | | 13,500 | \$ 13,500 |
| Power Cement Mixer | | | | | 8,000 | \$ 8,000 |
| Subtotal Cemetery | \$ - | \$ 289,000 | \$ 252,000 | \$ 153,000 | \$ 225,000 | \$ 919,000 |
| Forestry | | | | | | |
| 1 Ton 4x4 Dump Truck w/ Chip Box | | | 55,000 | | | \$ 55,000 |
| Chippers | | | | 40,000 | | \$ 40,000 |
| Sky Worker | | 125,000 | | | | \$ 125,000 |
| Subtotal Forestry | \$ - | \$ 125,000 | \$ 55,000 | \$ 40,000 | \$ - | \$ 220,000 |

Fiscal 2011 - 2015

Capital Improvement Program

Citywide Equipment

| Description | Recommended by Manager | | | | | TOTALS |
|--|---------------------------|--------------|--------------|--------------|--------------|---------------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2011-2015 |
| City Messenger | | | | | | |
| Snowblower | | | 6,000 | | | \$ 6,000 |
| Utility All-terrain 4X4 Drive Dump | | 30,000 | | | | \$ 30,000 |
| Security Cameras | | | 10,000 | | | \$ 10,000 |
| Entrance Security | | | | 15,000 | | \$ 15,000 |
| Industrial Scrubber/debris Pickup | | | | 25,000 | | \$ 25,000 |
| Walk Behind Snow Blowers | | | | 4,000 | 4,000 | \$ 8,000 |
| Power Sweeper | | | | | 30,000 | \$ 30,000 |
| Subtotal City Messenger | \$ - | \$ 30,000 | \$ 16,000 | \$ 44,000 | \$ 34,000 | \$ 124,000 |
| Total Parks & Recreation | \$ 135,000 | \$ 821,500 | \$ 696,000 | \$ 653,000 | \$ 622,000 | \$ 2,927,500 |
| Public Schools | | | | | | |
| Transportation Division (3) Buses 20 Passenger | 120,000 | 120,000 | 120,000 | 120,000 | 120,000 | \$ 600,000 |
| School Plant Vehicles | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | \$ 250,000 |
| Student Computers - Technology Plan | 330,000 | 330,000 | 330,000 | 330,000 | 330,000 | \$ 1,650,000 |
| Subtotal Public Schools | \$ 500,000 | \$ 500,000 | \$ 500,000 | \$ 500,000 | \$ 500,000 | \$ 2,500,000 |
| Citywide Capital Equipment | \$ 2,215,000 | \$ 4,466,600 | \$ 4,825,950 | \$ 3,958,400 | \$ 3,221,650 | \$ 18,687,600 |

Fiscal 2011 Capital Equipment Narrative Citywide

| Item | Priority | Estimate Purchase Price | Funding Available | Net Cost | Annual Amount |
|---|----------|----------------------------|----------------------|----------------|------------------|
| Administration & Finance | | | | | |
| Contingency | | | | | |
| Citywide Contingency | 1 | 80,000 | | 80,000 | 17,738 |
| This funding will be used for any capital emergency requests during the course of Fiscal Year 2011. | | | | | |
| Subtotal Contingency | | 80,000 | - | 80,000 | 17,738 |
| Assessing | | | | | |
| Capital Street Level Imagery | 1 | 69,000 | | 69,000 | 15,299 |
| This function is not currently performed. The project will provide street level photos of every property within the City of Worcester available in a digital environment to be combined with the new Vision Appraisal Software. | | | | | |
| PRC Scanning Software | 1 | 22,000 | | 22,000 | 4,878 |
| Property Records Cards were moved to the fourth floor with the consolidation plan. Staff now must go to the fourth floor to retrieve PRC's which waists time. In addition providing historic records in a digital format promotes taxpayer information. | | | | | |
| Building Footprint Conversion | 1 | 12,000 | | 12,000 | 2,661 |
| Conversion of the Assessment Department Software requires the input of building footprints per Department of Revenue requirements. In order to convert the information efficiently and effectively, the use of a contractor familiar with similar situations that has completed these projects in the past will expedite the process. | | | | | |
| Subtotal Assessing | | 103,000 | - | 103,000 | 22,838 |
| Technical Services | | | | | |
| UPS Battery Replacement | 2 | 10,000 | | 10,000 | 2,217 |
| Current batteries are five years old and have reached their lifecycle. | | | | | |
| Data Storage Increase | 3 | 35,000 | | 35,000 | 7,761 |
| This item will increase the disk storage for all windows-based applications. | | | | | |
| Subtotal Technical Services | | 45,000 | - | 45,000 | 9,978 |
| Total Administration & Finance | | 228,000 | - | 125,000 | 27,716 |
| Inspectional Services | | | | | |
| Building and Zoning Division | | | | | |
| Permitting Software Database | | 250,000 | - | 250,000 | 55,432 |
| A new software program will be more efficient, with better oversight and management and staff management on time and projects. | | | | | |
| Subtotal Building and Zoning | | 250,000 | - | 250,000 | 55,432 |

Fiscal 2011 Capital Equipment Narrative Citywide

| Item | Priority | Estimate Purchase Price | Funding Available | Net Cost | Annual Amount |
|--|----------|----------------------------|----------------------|----------------|------------------|
| Housing and Health Inspections | | | | | |
| Six (6) Laptop Computers | | 12,000 | - | 12,000 | 2,661 |
| The laptops would assist the air and water inspectors to utilize the CSRS system a more efficient system that allows for better management of work and productivity monitoring. They currently use GEO, an outdated program. | | | | | |
| Subtotal Housing and Health Inspections | | 12,000 | - | 12,000 | 2,661 |
| Subtotal Inspectional Services | | 262,000 | - | 262,000 | 58,093 |

Public Safety

Fire Department

| | | | | | |
|---|--|----------------|--|----------------|---------------|
| Ladder Truck | | 158,800 | | 158,800 | 35,211 |
| These funds will provide the match for the replacement of Ladder 5 through the Assistance to Fire Fighters Grant. | | | | | |
| Radio Equipment - Engine 8 | | 21,000 | | 21,000 | 4,656 |
| These funds will be used to purchase the communications equipment necessary to outfit the newly purchased Engine 8. Equipment includes the following: mobile radio, 4 portable radios, and a battery charger. | | | | | |
| Turnout Gear | | 70,000 | | 70,000 | 15,521 |
| These funds will be used to purchase gear for 21 new recruits: Of the 21 recruit positions, 17 will be funded from the stimulus grant and 4 will be funded by the City. At the settlement of the last contract between the City and Local 1009 IAFF, it is now mandatory that the City purchase new turnout gear. The Department is projecting 21 recruits in the first class and 14 in a possible second class if a number of firefighters retire in August. | | | | | |
| Thermal Imaging Cameras | | 26,000 | | 26,000 | 5,765 |
| These funds will be used to replace 2 Thermal Imaging Cameras. The city purchased these for the apparatus 7-10 years ago and they are beginning to break down. They can no longer be repaired as new technology has made the current TICs obsolete so they need to be replaced. | | | | | |
| Self Contained Breathing Apparatus Bottles | | 7,000 | | 7,000 | 1,552 |
| These funds will be used to replace 7 SCBA bottles needed for front line companies. These bottles contain breathing air used by fire personnel during fire emergencies. These are older 30 minute bottle which are being replaced by 45 minute bottles. | | | | | |
| Defibrillators | | 4,000 | | 4,000 | 887 |
| These funds will be used to replace 2 defibrillators on front line pieces of apparatus. Repair parts cannot be obtained for these defibrillators due to ever changing technology. The entire unit needs to be replaced. | | | | | |
| Mig Welder | | 1,500 | | 1,500 | 333 |
| This purchase will allow the FD Maintenance Division to perform many in house repairs to those vehicles with aluminum super-structures. Currently we are required to out source those repairs at a much greater long term cost, with the added costs of delayed use of the equipment from the subsequent down time. | | | | | |
| Dry Suits | | 3,600 | | 3,600 | 798 |
| These funds will allow for the purchase of 2 dry suits used by the scuba dive team. Over time, these suits can no longer sustain minor repairs and the material begins to disintegrate. Therefore, they must be replaced. | | | | | |

Fiscal 2011 Capital Equipment Narrative Citywide

| Item | Priority | Estimate Purchase Price | Funding Available | Net Cost | Annual Amount |
|---|----------|----------------------------|----------------------|----------------|------------------|
| GIS Printer | | 4,000 | | 4,000 | 887 |
| These funds will allow for the purchase of a new GIS printer. The current printer is extremely outdated and replacement parts are no longer available. The WFD is currently undergoing new box assignments, thus creating new internal maps and the need for a printer. | | | | | |
| Color Laser Printer w/ Kits | | 4,100 | | 4,100 | 909 |
| The FD Administrative Office has one color printer for all admin and support functions and is beyond its service life (10 yrs.). With the Prevention Divisions pending move to Meade Street, it becomes necessary to purchase both a replacement for the existing printer and one for the FP division after the move. | | | | | |
| Subtotal Fire Department | | 300,000 | - | 300,000 | 66,519 |
| Police | | | | | |
| Marked police cruisers (Ford Crown Victoria) (7) | | 220,500 | | 220,500 | 48,891 |
| The WPD has a fleet of 80 marked police cruisers 7 of these vehicles are rated in fair to poor condition ten of these vehicles have odometer readings over 60,000 and excessive vehicle maintenance required . | | | | | |
| Unmarked police vehicles (Ford-Taurus) (4) | | 99,000 | | 99,000 | 21,951 |
| The WPD has a fleet of 75 unmarked police sedans, 16 of this fleet are rated in fair to very poor condition. 13 of these have odometer readings over 60,000 all with excessive maintenance and repair expenses. Vehicle ages range from 1997 - 2005. | | | | | |
| Evidence Monitoring System | | 8,900 | | 8,900 | 1,973 |
| This is an evidence tracking system for both the detective bureau and vice squad currently all evidence is tracked manually | | | | | |
| Cell Monitoring System | | 8,000 | | 8,000 | 1,774 |
| The current system is 20 years old and records time on an old register style tape. The tape jams and the machine is outdated. These checks are required by law for all prisoners. | | | | | |
| Forensic video analysis hardware/software upgrade | | 49,000 | | 49,000 | 10,865 |
| Upgrade to 2004 analysis system with outdate equipment and software. | | | | | |
| Nikon D3 Digital Camera | | 4,600 | | 4,600 | 1,020 |
| The forensic unit took 29,350 crime scene photos last fiscal year. Two cameras need replacement one is ten years old the other five. | | | | | |
| Sub-Total Police | | 390,000 | - | 390,000 | 86,475 |
| Total Public Safety | | 690,000 | - | 690,000 | 152,993 |
| Public Works & Parks | | | | | |
| Engineering | | | | | |
| Sedan | | 20,000 | | 20,000 | 4,435 |
| This will replace an engineering/inspectors vehicle that is thirteen years old and past its useful life. | | | | | |
| Printer/Plotter | | 14,000 | | 14,000 | 3,104 |
| The existing large format printer is essential to the operations of the engineers and inspectors. The unit has outlived its useful lifespan and needs replacement. | | | | | |

Fiscal 2011 Capital Equipment Narrative Citywide

| Item | Priority | Estimate Purchase Price | Funding Available | Net Cost | Annual Amount |
|--|----------|----------------------------|----------------------|-------------|------------------|
| Photocopier | | 6,000 | - | 6,000 | 1,330 |
| The existing photocopier required monthly repair service and needs to be replaced. | | | | | |
| Pickup Truck | | 20,000 | - | 20,000 | 4,435 |
| This will replace an engineering/inspectors vehicle that is thirteen years old and past its useful life. | | | | | |
| Computer Equipment | | 4,000 | - | 4,000 | 887 |
| Computer are essential to the engineer operations; not only for word processing, but for design and engineering tasks. This funding level will allow us to maintain the current level of computer equipment. | | | | | |
| Traffic Signal Parts | | 44,000 | - | 44,000 | 9,756 |
| The Department has more than 185 traffic signal locations and there is no funding line item for replacement parts within the ordinary maintenance budget. This requested amount maybe sufficient to keep all of the traffic signals systems running through the fiscal year. | | | | | |
| Subtotal Engineering | | 108,000 | - | 108,000 | 23,947 |
| Central Garage | | | | | |
| Pickup Truck 4x4 | | 25,000 | - | 25,000 | 5,543 |
| The 2000 Pick-Up Truck will be transferred to the Street Division | | | | | |
| Miscellaneous Tools | | 15,000 | - | 15,000 | 3,326 |
| Replace large hand/shop tools and storage cabinets. | | | | | |
| Stock Room Shelving/Storage | | 10,000 | - | 10,000 | 2,217 |
| Replace old and antiquated storage shelving in stock room; total replacement over the next 5 years. | | | | | |
| Subtotal Central Garage | | 50,000 | - | 50,000 | 11,086 |
| Streets/Sanitation | | | | | |
| 7 Rd. AWD Loadpacker | | 80,000 | - | 80,000 | 17,738 |
| Replacing a 1998 Loadpacker which is beyond its useful life. | | | | | |
| 1 Ton AWD Crew Cabs w/ Utility Bodies (2) | | 92,000 | - | 92,000 | 20,399 |
| Replacing crewcabs beyond its useful life. | | | | | |
| 1/2 Ton AWD Pickup Trucks (2) | | 60,000 | - | 60,000 | 13,304 |
| Replacing two (2) 1998 Pick Up Trucks that are beyond their useful life. | | | | | |
| 2 Way Radios | | 10,000 | - | 10,000 | 2,217 |
| Two way radios are needed by the Division to complete work efficiently. | | | | | |
| Subtotal Streets/Sanitation | | 242,000 | - | 242,000 | 53,659 |
| Total DPW | | 400,000 | - | 400,000 | 88,692 |

Fiscal 2011 Capital Equipment Narrative Citywide

| Item | Priority | Estimate Purchase Price | Funding Available | Net Cost | Annual Amount |
|--|----------|----------------------------|----------------------|------------------|------------------|
| Parks & Recreation | | | | | |
| 16' Riding Mower | | 80,000 | - | 80,000 | 17,738 |
| This equipment is the key to our ability to mow the public parks. It will be used in conjunction with the current 16' mower to cut the majority of our general open space facilities. With reduced staffing this equipment is required (and critical) to maintain the city's Park facilities, public buildings and landscaped areas throughout the City. | | | | | |
| 72" Riding Mower w/ Attachments | | 35,000 | - | 35,000 | 7,761 |
| This vehicle shall replace an existing mower with excessive hours and wear. This equipment has outlived its useful life but is required (and critical) to maintain the city's Park facilities, public buildings and landscaped areas throughout the City. | | | | | |
| Chippers | | 20,000 | - | 20,000 | 4,435 |
| This Chipper will replace equipment that has outlived it's useful life. The Chipper is used in cooperation with volunteer groups as well as staff for the clearing of debris and material throughout all sixty facilities. | | | | | |
| Subtotal Parks | | 135,000 | - | 135,000 | 29,933 |
| Total Parks & Recreation | | 135,000 | - | 135,000 | 29,933 |
| Worcester Public Schools | | | | | |
| Transportation Division (3) Buses 20 Passenger | | 120,000 | | 120,000 | 27,580 |
| School Plant Vehicles | | 50,000 | | 50,000 | 11,492 |
| Student Computers - Technology Plan | | 330,000 | | 330,000 | 75,845 |
| Subtotal Public Schools | | 500,000 | - | 500,000 | 114,916 |
| Citywide Capital Equipment | | 2,215,000 | - | 2,112,000 | 472,344 |

Fiscal 2011 - 2015 Projected Capital Budget Dam Rehabilitation

| Description | 2011 | 2012 | 2013 | 2014 | 2015 | TOTALS 2011-2015 |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| Dam Inspections/Repairs | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | \$ 2,500,000 |
| Total Dam Rehabilitation | \$ 500,000 | \$ 2,500,000 |

| Description of Project | Priority | Estimated Purchase Amount | Funding Available | Net Cost | Annual Amount |
|--|----------|------------------------------|----------------------|----------------|------------------|
| Dam Rehabilitation | 1 | 500,000 | 200,000 | 300,000 | 25,619 |
| This request will allow for the continuation of the mandated inspections and repairs to Tax Levy dams, including the Green Hill Park Dam, the Quinsigamond Pond Dam, and the Patch Pond Dam. | | | | | |
| Total Dam Rehabilitation | | 500,000 | 200,000 | 300,000 | 25,619 |

Fiscal 2011 - 2015 Projected Capital Budget Economic Development

| Description | 2011 | 2012 | 2013 | 2014 | 2015 | TOTALS 2011-2015 |
|-----------------------------------|-------------------|-------------|-------------|-------------|-------------|---------------------|
| Faraday Street Extension | 200,000 | | | | | \$ 200,000 |
| Total Economic Development | \$ 200,000 | \$ - | \$ - | \$ - | \$ - | \$ 2,300,000 |

| Description of Project | Priority | Estimated Purchase Amount | Funding Available | Net Cost | Annual Amount |
|---|----------|------------------------------|----------------------|-------------|------------------|
| Faraday Street Extension | 1 | 200,000 | 200,000 | - | - |
| <p>The City is working with Gateway Park LLC to complete the project's proposed roadwork. The Faraday Street extension project will extend Faraday Street from Grove Street to Prescott Street, better connecting Gateway Park into the transportation system. It will build on the Commonwealth's High Priority Project upgrading signals and intersections along Grove Street. The project is partially funded by a State Public Works Economic Development Grant of more than \$500,000. Without the completion of this project, the Gateway Park project's environmental certificate from the Massachusetts Environmental Protection Act Office is in jeopardy and new development at the site may be prohibited.</p> | | | | | |
| Total Economic Development | | 200,000 | 200,000 | - | - |

Fiscal 2011-2015 Capital Building Rehabilitation Budget Union Station

| Description | Recommended by City Manager | | | | | TOTALS |
|---|--------------------------------|-------------------|-------------|-------------|-------------|-------------------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2011-2015 |
| Union Station | | | | | | |
| Exterior Signage | 30,000 | | | | | \$ 30,000 |
| Awning Design, Purchase & Installation | 140,000 | | | | | \$ 140,000 |
| HVAC Energy Management Controls | 30,000 | | | | | \$ 30,000 |
| Additional fitout of Byblos Lounge | 40,000 | | | | | \$ 40,000 |
| Interior Signage | 5,000 | | | | | \$ 5,000 |
| Fitout of unfinished space | 285,000 | | | | | \$ 285,000 |
| Amtrak wall and drainage system | 10,000 | | | | | \$ 10,000 |
| Train platform tactile matting | 5,000 | | | | | \$ 5,000 |
| Emergency generator enclosure and exhaust replacement | 5,000 | | | | | \$ 5,000 |
| Glycol System Overhaul | | 50,000 | | | | \$ 50,000 |
| Repair/Refinish stucco outside U.S. | | 200,000 | | | | \$ 200,000 |
| Carpet Replacement | | 3,000 | | | | \$ 3,000 |
| Total Union Station | \$ 550,000 | \$ 253,000 | \$ - | \$ - | \$ - | \$ 803,000 |

Fiscal 2011

Recommended Capital Rehabilitation Narrative

Union Station

| Description of Project | Priority | Estimated Purchase Amount | Funding Available | Net Cost | Annual Amount |
|--|----------|---------------------------|-------------------|----------------|---------------|
| Union Station | | | | | |
| Exterior Signage WRA has a contractual obligation to ensure that all tenants are advertised on the outside of Union Station. These funds would provide for a large tenant/directional sign outside of Union Station. | 1 | 30,000 | - | 30,000 | 2,562 |
| Awning Design, Purchase and Installation The awning would provide opportunities to extend outdoor activities and business at the upper level of the café at Union Station. | 1 | 140,000 | - | 140,000 | 11,956 |
| HVAC Energy Management Controls Old system at Union Station must be replaced in order to better manage and conserve energy. The current system is costly and outdated. | 1 | 30,000 | - | 30,000 | 2,562 |
| Additional Fitout of Byblos Lounge Union Station has a contractual obligation to finish the fitout of Byblos Lounge so that the final fitout is consistent with tenant plans. | 1 | 40,000 | - | 40,000 | 3,416 |
| Interior Signage Necessary to better direct patrons navigating Union Station's multifaceted facility. | 1 | 5,000 | - | 5,000 | 427 |
| Fitout of Unfinished Space The space behind Byblos Lounge is ready for fitout once a perspective tenant is found. These funds must be in place to secure a new tenant. | 1 | 285,000 | - | 285,000 | 24,338 |
| Amtrak Wall and Drainage System This will address building envelope intrusion needs. | 1 | 10,000 | - | 10,000 | 854 |
| Train Platform Tactile Matting Detectable warning mats replacement necessary to provide tactile warning of potentially hazardous area. | 1 | 5,000 | - | 5,000 | 427 |
| Emergency Generator Enclosure & Exhaust Replacement Addresses long term deterioration due to exposure. | 1 | 5,000 | - | 5,000 | 427 |
| Total Union Station | | 550,000 | - | 550,000 | 46,968 |

Fiscal 2011 - 2015
 Projected Capital Budget
 Department of Public Works - Off Street Parking

| Description | Requested by Department | | | | | TOTALS |
|--|-------------------------|-------------|-------------|-------------|-------------|-------------------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2010-2014 |
| Consultant Review of Garage Conditions | 100,000 | | | | | \$ 100,000 |
| Garage Improvements | 100,000 | | | | | \$ 100,000 |
| Curb-side Meters | 100,000 | | | | | \$ 100,000 |
| Total Off Street Parking | \$ 300,000 | \$ - | \$ - | \$ - | \$ - | \$ 300,000 |

Fiscal 2011 Capital Rehabilitation Narrative
 Department of Public Works - Off Street Parking

| Description of Project | Priority | Estimated Purchase Amount | Funding Available | Net Cost | Annual Amount |
|--|----------|---------------------------|-------------------|----------------|-----------------|
| Consultant Review of Garage Conditions | 1 | 100,000 | - | 100,000 | 8,539.71 |
| This funding request will allow DPW&P to hire a consultant to review the present conditions garages and to design and plan for the next phase of restoration. The work may include: painting of the steel structures at one of the garages, corrections of safety issues, and improvements to esthetics. | | | | | |
| Garage Improvements | 1 | 100,000 | - | 100,000 | 8,539.71 |
| This funding request will allow DPW&P to address minor security, safety, and esthetic issues at the municipal garages. | | | | | |
| Curb-Side Meters | 1 | 100,000 | - | 100,000 | 8,539.71 |
| DPW&P wishes to purchase new parking meters to upgrade the aging inventory of parking meters (typically 1960 vintage) with new electronic devices, and needs to purchase new meters for the canal district and the Quinsigamond Ave. gateway project. | | | | | |
| Total Off-Street Parking | | 300,000 | - | 300,000 | 25,619 |

Fiscal 2011

Recommended Capital Equipment Narrative

Green Hill Municipal Golf Course

| Item | Priority | Estimate Purchase Price | Funding Available | Net Cost | Annual Amount |
|---|----------|----------------------------|----------------------|----------------|------------------|
| Golf Cart Trade-in and Upgrades | 1 | 124,000 | - | 124,000 | 6,875 |
| This reinvestment will allow the Department to trade-in approximately twenty 2001 golf carts and purchase new carts for use at Green Hill Municipal Golf Course. The current 2001 carts are in need of replacement and have begun to require continuous repair due to age and hours of use. | | | | | |
| Total Golf Equipment | | 124,000 | - | 124,000 | 6,875 |

Fiscal 2011

Recommended Capital Rehabilitation Narrative

Green Hill Municipal Golf Course

| Item | Priority | Estimate Purchase Price | Funding Available | Net Cost | Annual Amount |
|--|----------|----------------------------|----------------------|----------------|------------------|
| Golf Cart Storage Facility | 1 | 25,000 | - | 25,000 | 6,875 |
| The investment will build a golf cart storage facility. | | | | | |
| Maintenance Facility Repairs | 1 | 150,000 | - | 150,000 | 6,875 |
| This renovation will repair the historic red barn that is used by the golf course maintenance company. The building currently needs a new roof, siding repairs, electrical and plumbing upgrades and interior repairs. | | | | | |
| Total Golf Infrastructure | | 175,000 | - | 150,000 | 6,875 |
| Total Golf | | 299,000 | - | 274,000 | 13,750 |

Fiscal 2011 - 2015

Projected Capital Budget

Green Hill Municipal Golf Course

| | TOTALS | | | | | |
|--------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2011-2015 |
| CAPITAL EQUIPMENT | | | | | | |
| Administration | | | | | | |
| Golf Cart Trade-in and Upgrade | 124,000 | 105,000 | 105,000 | | | \$ 334,000 |
| Pro Shop Equipment and Fixtures | | 10,000 | | 10,000 | | \$ 20,000 |
| Indoor Driving Range Simulator | | 30,000 | | | | \$ 30,000 |
| Sub-Total | \$ 124,000 | \$ 145,000 | \$ 105,000 | \$ 10,000 | \$ - | \$ 384,000 |
| REHABILITATION | | | | | | |
| Golf Cart Storage Facility | 25,000 | 225,000 | 50,000 | | | \$ 300,000 |
| Maintenance Facility Repairs | 150,000 | | 100,000 | | | \$ 250,000 |
| Club House Renovations/HVAC | | | | | 50,000 | \$ 50,000 |
| Pro Shop Upgrades | | 250,000 | | 50,000 | | \$ 300,000 |
| Sub-Total | \$ 175,000 | \$ 475,000 | \$ 150,000 | \$ 50,000 | \$ 50,000 | \$ 900,000 |
| INFRASTRUCTURE | | | | | | |
| GOLF COURSE | | | | | | |
| Irrigation System Upgrade | | 25,000 | | 25,000 | 25,000 | \$ 75,000 |
| Drainage Work | | 50,000 | 100,000 | | 100,000 | \$ 250,000 |
| Course Upgrades | | 100,000 | 100,000 | 100,000 | 100,000 | \$ 400,000 |
| Golf Cart Storage Facility Site Work | | 100,000 | | | | \$ 100,000 |
| Parking Lot Patches | | | 10,000 | | 10,000 | \$ 20,000 |
| Cart Path Construction | | | 200,000 | 100,000 | 100,000 | \$ 400,000 |
| Green & Tee Improvements | | | 200,000 | 100,000 | 100,000 | \$ 400,000 |
| New Park Road | | | | 100,000 | | \$ 100,000 |
| Sub-Total | \$ - | \$ 275,000 | \$ 610,000 | \$ 425,000 | \$ 435,000 | \$ 1,745,000 |
| Total | \$ 299,000 | \$ 895,000 | \$ 865,000 | \$ 485,000 | \$ 485,000 | \$ 3,029,000 |

Fiscal 2011 - 2015 Projected Capital Budget Sewer Enterprise

| Description | Requested by Department | | | | | TOTALS |
|--|-------------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2011-2015 |
| CAPITAL EQUIPMENT | | | | | | |
| 5 Ton Dump Truck w/ Sander and Plow | 160,000 | 160,000 | 160,000 | | 160,000 | \$ 640,000 |
| Pickup Truck 3/4 Ton w/ Plow and Lift | 40,000 | | | 35,000 | | \$ 75,000 |
| Pickup Truck 3/4 Ton Crew Cable w/ Tow | 30,000 | | 40,000 | | 40,000 | \$ 110,000 |
| C.B. Cleaner/Loader w/ Plow | 190,000 | 190,000 | 190,000 | 190,000 | 190,000 | \$ 950,000 |
| Street Sweepers | 170,000 | 170,000 | 340,000 | 340,000 | 170,000 | \$ 1,190,000 |
| Staff Vehicle | 25,000 | 30,000 | | | 30,000 | \$ 85,000 |
| GIS | 20,000 | 20,000 | | | | \$ 40,000 |
| Pickup Truck 1/2 Ton | | 20,000 | | 50,000 | | \$ 70,000 |
| Backhoe 4wd | | 90,000 | | | 90,000 | \$ 180,000 |
| Utility Truck | | 75,000 | | | | \$ 75,000 |
| Pickup Truck 3/4 Ton w/ Lift | | | 35,000 | | | \$ 35,000 |
| Flusher | | | | 165,000 | | \$ 165,000 |
| Tag Along Compressor | | | | | 15,000 | \$ 15,000 |
| Subtotal | \$ 635,000 | \$ 755,000 | \$ 765,000 | \$ 780,000 | \$ 695,000 | \$ 8,435,000 |
| BUILDING REHABILITATION | | | | | | |
| 20 East Worcester Buildings | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | \$ 500,000 |
| Subtotal | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 500,000 |
| INFRASTRUCTURE | | | | | | |
| Sewer Reconstruction Program | 2,500,000 | 2,000,000 | 2,000,000 | 2,000,000 | 2,000,000 | \$ 10,500,000 |
| Surface Drainage | 2,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | \$ 6,000,000 |
| New Sewer Construction | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | \$ 2,500,000 |
| Beaver Brook Culvert | 1,000,000 | 1,000,000 | | | | \$ 2,000,000 |
| Lake Ave Pump Station | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | \$ 5,000,000 |
| Interceptor Inspection | 1,200,000 | 200,000 | 200,000 | 200,000 | 200,000 | \$ 2,000,000 |
| CMOM Program | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | \$ 1,000,000 |
| Sewer Pump Station Rehabilitation | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | \$ 2,500,000 |
| Subtotal | \$ 8,900,000 | \$ 6,400,000 | \$ 5,400,000 | \$ 5,400,000 | \$ 5,400,000 | \$ 31,500,000 |
| Total | \$ 9,635,000 | \$ 7,255,000 | \$ 6,265,000 | \$ 6,280,000 | \$ 6,195,000 | \$ 40,435,000 |

Fiscal 2011 Recommended Capital Equipment Narrative Sewer Enterprise

| Item | Priority | New or Replacement | Estimate Purchase Price | Funding Available | Net Cost | Annual Amount |
|--|----------|--------------------|-------------------------|-------------------|----------------|---------------|
| 5 Ton Dump Truck w/ Sander & Plow Replacement of old and outdated equipment. | 1 | Replacement | 160,000 | | 160,000 | 35,477 |
| 3/4 Ton Pickup w/ Lift Replacement of old and outdated equipment. | 2 | Replacement | 40,000 | | 40,000 | 8,869 |
| Catch Basin Cleaner w/ Plow Replacement of old and outdated equipment. | 3 | Replacement | 190,000 | | 190,000 | 42,129 |
| Staff Vehicle Replacement of old and outdated equipment. | 4 | Replacement | 25,000 | | 25,000 | 5,543 |
| 3/4 Ton Crew Cab w/ Tow Package Replacement / upgrade of old and outdated equipment. | 5 | Replacement | 30,000 | | 30,000 | 6,652 |
| Street Sweeper Replacement of old and outdated equipment. | 6 | Replacement | 170,000 | | 170,000 | 37,694 |
| GIS Software Update Replacement / update of geographic information system software for sewer infrastructure. | 7 | Replacement | 20,000 | | 20,000 | 4,435 |
| Total | | | 635,000 | - | 435,000 | 96,452 |

Fiscal 2011 Recommended Capital Rehabilitation Narrative Sewer Enterprise

| Description | Priority | Estimated Purchase Amount | Funding Available | Net Cost | Annual Amount |
|--|----------|---------------------------|-------------------|----------------|---------------|
| Building Rehabilitation To allow for the continuing rehabilitation of DPW & P Headquarters and Sewer Operations office facilities. Work will include electrical and structural improvements throughout the entire complex as well as a new emergency generator. These improvements are necessary to provide for a safe and effective working environment and places in which citizens can come and do city business. | | 100,000 | | 100,000 | |
| Total | | 100,000 | | 100,000 | |

Fiscal 2011

Recommended Capital Infrastructure Narrative

Sewer Enterprise

| Item | Priority | Estimate Purchase Price | Funding Available | Net Cost | Annual Amount |
|---|----------|----------------------------|----------------------|------------------|------------------|
| Sewer Reconstruction Program | | 2,500,000 | | 2,000,000 | 170,794 |
| This allocation is for the continuation of the ongoing sewer replacement program for sanitary, surface and combined sewers which are subject to imminent failure. A portion of the allocation will be set aside for emergency sewer repairs which arise over the course of the fiscal year. DPW maintains a list that is revised annually and is used to determine which locations are replaced. Locations that are planned in FY 2011 include: Gage St., Lincoln St., Northampton St., Olga Ave., Rodney St. and Salem St. | | | | | |
| Surface Drainage | | 2,000,000 | | 600,000 | 51,238 |
| This program addresses drainage and street flooding issues at various locations around the city, and can range from installation of a single catch basin to eliminate a localized problem, to construction of a 60" diameter surface sewer. This years program will include system upgrades to relieve flooding in the Hamilton St., Sunderland Rd. and Brightwood Ave. areas. | | | | | |
| New Sewer Construction | | 500,000 | | 500,000 | 42,699 |
| This allocation will allow for the construction of new sanitary and surface sewers in streets where there are currently no public sewers. Priority is given to streets where septic system failures have occurred leading to public health or surface runoff quality concerns. | | | | | |
| Replacement Culvert - Beaver Brook | | 1,000,000 | | 1,000,000 | 85,397 |
| This allocation will allow for the continued funding of a replacement culvert between May and Maywood Streets. This new culvert will enhance water quality and reduce flooding while creating an attractive walkway on the surface. | | | | | |
| Lake Ave Pump Station | | 1,000,000 | | 1,000,000 | 85,397 |
| The FY 2011 allocation will allow for improvements to the Lake Avenue Pump Station, that in-conjunction with the ongoing Belmont St. force main replacement, will increase pumping capacity and reduce the potential of overflows. | | | | | |
| Interceptor Inspection | | 1,200,000 | | 1,000,000 | 85,397 |
| This is an ongoing proactive program to ensure the structural integrity of critical pipelines which, due to their size and substantial flows are not able to be inspected by conventional means. This inspection process includes a combination of laser, sonar and cc tv to identify potential problems in these major sewer lines, many of which are over 100 years old. This years program will include structural rehabilitation of interceptors in Main and Herman Streets. | | | | | |
| CMOM Program | | 200,000 | | 200,000 | 17,079 |
| This funding allows for components of the CMOM (Capacity Management Operations and Maintenance) Program which was part of the Administrative Order related to sanitary sewer overflows. The components include (but are not limited to) a Priority Cleaning Plan, a Structural Integrity Investigation and a Long Term Preventive Maintenance Program. | | | | | |
| Sewer Pump Station Rehabilitation | | 500,000 | | 200,000 | 17,079 |
| This program includes capital improvements to the 31 sewer pump stations. These improvements increase efficiency and reliability and reduce the potential of environmental damage due to pump station by-passes. The Quinsigamond Avenue facility will receive new pumps as part of this years program. | | | | | |
| Total | | 8,900,000 | - | 6,500,000 | 555,080 |

Fiscal 2011 - 2015 Projected Capital Budget Water Division

| Description | Recommended by Manager | | Requested by Department | | | TOTALS 2011-2015 |
|---|---------------------------|---------------------|-------------------------|---------------------|---------------------|----------------------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | |
| CAPITAL EQUIPMENT | | | | | | |
| 1 Ton Utility Truck - Hydrant/Valve Maintenance | 70,000 | | 100,000 | 100,000 | | \$ 270,000 |
| Mobile Radio | 17,000 | | | | 17,000 | \$ 34,000 |
| Instrum/Computers | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | \$ 75,000 |
| Plow | 35,000 | | 35,000 | | 35,000 | \$ 105,000 |
| Pickup Truck 3/4 Ton w/ 4x4 Plow | 40,000 | | 40,000 | 40,000 | | \$ 120,000 |
| Sedan (2) | 55,000 | | | | 25,000 | \$ 80,000 |
| 1/2 Ton Pickup Truck | 50,000 | | 40,000 | 40,000 | | \$ 130,000 |
| Brush Chippers | 40,000 | | | | | \$ 40,000 |
| Miscellaneous Tools - WFP | 70,000 | | | | 50,000 | \$ 120,000 |
| Miscellaneous Tools - Operations | 70,000 | | | | 50,000 | \$ 120,000 |
| (1) Farm Tractor 4 Wheel Drive | | 45,000 | | | | \$ 45,000 |
| Utility Truck Construction | | 100,000 | | | 100,000 | \$ 200,000 |
| 4wd Plow | | 110,000 | | 110,000 | | \$ 220,000 |
| Utility Truck 3/4 Ton | | 45,000 | | | | \$ 45,000 |
| Security Vehicle/4WD | | 70,000 | | | | \$ 70,000 |
| Truck/Dump/5Ton/Plow | | 150,000 | | | 150,000 | \$ 300,000 |
| 4WD Pickup Truck | | 50,000 | | | 50,000 | \$ 100,000 |
| Comp. 1/2 Ton Pickup w/ Tool Boxes | | 50,000 | 25,000 | 25,000 | | \$ 100,000 |
| GIS | | 25,000 | 25,000 | 25,000 | | \$ 75,000 |
| Truck/Utility/Meter | | | 50,000 | | 50,000 | \$ 100,000 |
| Dump Truck 4wd w/ Plow | | | 110,000 | 110,000 | | \$ 220,000 |
| Truck/Dump/1500 4WD/Plow | | | 125,000 | | | \$ 125,000 |
| 3/4 Ton Utility Truck | | | | | 35,000 | \$ 35,000 |
| Compressor/Truck | | | | | 125,000 | \$ 125,000 |
| Dump Truck 4wd w/ Plow | | | | | | \$ - |
| (2) Snowblowers | | | | | | \$ - |
| Skid Steer w/ Tractor | | | | | | \$ - |
| Atomic ABS Spectrometer | | | | | | \$ - |
| GCMS Filtration Plant Lab | | | | | | \$ - |
| Subtotal Water | \$ 462,000 | \$ 660,000 | \$ 565,000 | \$ 465,000 | \$ 702,000 | \$ 2,854,000 |
| BUILDING REHABILITATION | | | | | | |
| 16 & 18 East Worcester Building | - | - | - | - | - | \$ - |
| Subtotal Water | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| INFRASTRUCTURE | | | | | | |
| Watershed Land Acquisition | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | \$ 1,500,000 |
| Water Pump Station Rehabilitation | 200,000 | 200,000 | 250,000 | 250,000 | 250,000 | \$ 1,150,000 |
| Filtration Plant Modification | 150,000 | 100,000 | 150,000 | 150,000 | 150,000 | \$ 700,000 |
| Water Mains & Gates | 3,600,000 | 3,000,000 | 3,500,000 | 3,500,000 | 3,500,000 | \$ 17,100,000 |
| Water Meter Maintenance | 200,000 | 100,000 | 100,000 | 100,000 | 100,000 | \$ 600,000 |
| Cross Connection Survey | 200,000 | 150,000 | 150,000 | 150,000 | 150,000 | \$ 800,000 |
| Leak Detection, Water Accounting & Analysis | 150,000 | 200,000 | 200,000 | 200,000 | 200,000 | \$ 950,000 |
| Hydrants | 150,000 | 200,000 | 200,000 | 200,000 | 200,000 | \$ 950,000 |
| Subtotal Water | \$ 4,950,000 | \$ 4,250,000 | \$ 4,850,000 | \$ 4,850,000 | \$ 4,850,000 | \$ 23,750,000 |
| Total Water | \$ 5,412,000 | \$ 4,910,000 | \$ 5,415,000 | \$ 5,315,000 | \$ 5,552,000 | \$ 26,604,000 |

Fiscal 2011

Recommended Capital Equipment Narrative

Water Division

| Description | Priority | New or Replacement | Estimated Purchase Price | Funding Available | Net Cost | Annual Amount |
|---|----------|--------------------|--------------------------|-------------------|----------------|---------------|
| 1 Ton Utility Truck - Hydrant/Valve Maint | | | 70,000 | | 70,000 | 15,521 |
| Replace existing utility truck used by crew assigned to hydrant and valve maintenance and repair. Truck is 10 yrs. old; the on-board electric generator no longer works and the utility body is in need of major repairs. | | | | | | |
| Misc. Equipment - WFP | | | 70,000 | | 70,000 | 15,521 |
| Replace existing Scott air packs, particle counters, ozone compressors and other aging equipment. | | | | | | |
| Crew Cable - 4WD w/ Plow | | | 35,000 | | 35,000 | 7,761 |
| Replaces vehicle used in Reservoir's land management and pumping station maintenance crews. | | | | | | |
| Sedans (2) | | | 55,000 | | 55,000 | 12,195 |
| Replaces older in need of repair costly Water Filtration Plant and Water / Sewer Billing Vehicles. | | | | | | |
| Brush Chippers (2) | | | 40,000 | | 40,000 | 8,869 |
| Replace existing equipment used by Reservoir land management crews. | | | | | | |
| 3/4 Ton Pickup 4WD w/ Plow | | | 40,000 | | 40,000 | 8,869 |
| Replace vehicle used by Reservoir land management and Pumping Station Maintenance Crews. | | | | | | |
| 1/2 Ton Pickup w/ Tool Boxes (2) | | | 50,000 | | 50,000 | 11,086 |
| Replace older Water Inspector vehicles; Existing pick-ups are 14 years old and costly to maintain. | | | | | | |
| Misc. Equipment - Operations | | | 70,000 | | 70,000 | 15,521 |
| Rebuild/recondition existing truck mounted gate valve operators and several large diameter pipe saws. Replace existing older low-tech model water leak locator with current, more | | | | | | |
| Instruments & Computers | | | 15,000 | | 15,000 | 3,326 |
| Replace/upgrade network equipment and existing computers at the Filtration Plant, Reservoirs and 18 E. Worcester Street. | | | | | | |
| Mobile Radios | | | 17,000 | | 17,000 | 3,769 |
| Replacement of old and malfunctioning radios. | | | | | | |
| Total | | | 462,000 | - | 447,000 | 99,113 |

Fiscal 2011 Recommended Capital Infrastructure Narrative Water Division

| Item | Priority | Estimated Purchase Price | Funding Available | Net Cost | Annual Amount |
|---|----------|-----------------------------|----------------------|------------------|------------------|
| Watershed Land Acquisition | | 300,000 | | 300,000 | 25,619 |
| Purchasing of watershed lands and or conservation restrictions in the City's watershed, preventing area development and allowing land to remain in its pristine condition to protect reservoir water quality. | | | | | |
| Water Pump Station Rehabilitation | | 200,000 | | 200,000 | 17,079 |
| The allocation of funds will allow for the on-going rehabilitation of the City's 14 pump stations and associated facilities to ensure reliable delivery of water to Worcester homes and businesses. | | | | | |
| Filtration Plant Modification | | 150,000 | | 150,000 | 12,810 |
| On going modifications of Filtration Plant equipment that is in need of replacement. Their original installation was in 1997. Replacements will be items such as, but not limited to ozone diffusers, filter aeration systems and filter media. | | | | | |
| Water Mains & Gates | | 3,600,000 | | 3,600,000 | 307,430 |
| These funds will allow for continuing rehabilitation of the water distribution system. Included in FY 2011 are funds to replace water mains at: Ingleside, Cohasset, Birch, Pilgrim, Puritan, Agawam, Bristol, Oread Place and others. | | | | | |
| Water Meter Maintenance | | 200,000 | | 200,000 | 17,079 |
| These funds will allow for the maintenance of some 40,000 radio signal automated meter reading retrieval devices, as well as costs associated with water meters. | | | | | |
| Cross Connection Testing & Surveys | | 200,000 | | 200,000 | 17,079 |
| These funds will allow for the continuation of surveying and testing of approximately 5,000 locations in the city for existing and potential cross connections as required by Federal and State Law. | | | | | |
| Leak Detection, Water Accounting & Analysis | | 150,000 | | 150,000 | 12,810 |
| These funds will provide for contractually required leak detection surveys to locate hidden leaks, master meter testing and distribution software modeling. | | | | | |
| Hydrants | | 150,000 | | 150,000 | 12,810 |
| The program consists of replacing damaged hydrants as well as maintaining and upgrading existing hydrants. Water Operations replaces approximately 80 hydrants per year. | | | | | |
| Total | | 4,950,000 | - | 4,950,000 | 422,716 |