

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: INFORMATION TECHNOLOGY #2-Information Technology Hardware & Software Replacement

I. PROJECT TYPE: Information Technology & Communications

II. LOCATION: City Agencies

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="L"/> Facility Cond.	<input type="checkbox" value="M"/> Productivity	
SERVED:	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="N/A"/> Mandates	<input type="checkbox" value="M"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="H"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox" value="L"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="L"/> Timeliness	Parks
	<input checked="" type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The focus of the IT Master Plan is to maintain a secure and stable IT environment.

This CIP is intended to provide a replacement program to protect the City's initial and future investments. Though not on the cutting edge of technology, the replacement program assures that City technology supports employee productivity and services to City residents.

Initially implemented using the industry standard three year replacement cycle, the program was adjusted to a four year cycle for desktop computers in FY07 to better control cost. Servers are to be replaced on a 5 year cycle. Other equipment such as switches, routers, firewalls, and printers will be replaced as needed.

SERVICE IMPACT: The City is dependent upon technology in all aspects of its day-to-day and longer term operations. This CIP is critical to assuring City employees that the systems on which they depend will work reliably. As the City continues with the ERP initiative which increases the integration among departmental resources, this dependence is even more critical. Not only will older equipment breakdown and slow the delivery of applications, but application software version improvements require reasonably up-to-date hardware and software to work at all, let alone deliver enhanced/improved features.

IMPACT IF NOT FUNDED: The MIS Master Plan has provided a cost-effective mechanism to stay reasonably current with technology at a modest consistent annual investment. Without the investment, not only will the City fall behind in offering the services demanded by the community, but systems will become technologically obsolete and fail, jeopardizing service delivery and possibly public safety. Correcting such a situation after failure, is much more expensive than maintaining the City's technology investment on an on-going basis.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 1998

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

4

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: INFORMATION TECHNOLOGY #2-Information Technology Hardware & Software Replacement

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	135,000	119,400	131,100	154,500	135,000	107,640	131,040	154,500	135,000	120,000	1,323,180
Golf	Capital Transfer	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,000
Parking	Capital Transfer	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,000
Sewer	Capital Transfer	20,800	12,200	20,160	15,840	20,760	11,900	20,160	15,840	20,760	11,800	170,220
Water	Capital Transfer	13,900	18,400	13,440	23,760	13,840	17,900	13,440	23,760	13,840	17,600	169,880
Arena	Capital Transfer	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	10,000
Total		176,700	157,000	171,700	201,100	176,600	144,440	171,640	201,100	176,600	156,400	1,733,280

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Transfer	135,000	Replace database storage hardware, computers, laptops, monitors. Backup communications switch. Upgrade end-of-life servers. Large format printers.
	Sewer Capital Transfer	20,800	Sewer share of above
	Water Capital Transfer	13,900	Water share of above
	Golf Capital Transfer	3,000	Golf share of above
	Parking Capital Transfer	3,000	Parking share of above
	Arena Capital Transfer	1,000	Arena share of above
		\$176,700	2015 Subtotal
2016	General Capital Transfer	119,400	Replace hardware, monitors (\$90,000). Replace end-of-life servers (\$20,000). Training for current and new employees, (\$10,000). Printers (\$10,000). Software upgrades (\$25,000).
	Water Capital Transfer	18,400	Water share of above
	Sewer Capital Transfer	12,200	Sewer share of above
	Parking Capital Transfer	3,000	Parking share of above
	Golf Capital Transfer	3,000	Golf share of above
	Arena Capital Transfer	1,000	Arena share of above
		\$157,000	2016 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	INFORMATION TECHNOLOGY	#2-Information Technology Hardware & Software Replacement	
2017	General Capital Transfer	131,100	Replace hardware, monitors (\$60,000). Replace end-of-life servers (\$20,000). Training for current and new employees, (\$10,000). Printers (\$10,000). Software upgrades (\$25,000). Replace Fire Department apparatus mobile computers (\$50,000)
	Sewer Capital Transfer	20,160	Sewer share of above
	Water Capital Transfer	13,440	Water share of above
	Parking Capital Transfer	3,000	Parking share of above
	Golf Capital Transfer	3,000	Golf share of above
	Arena Capital Transfer	1,000	Arena share of above
		\$171,700	2017 Subtotal
2018	General Capital Transfer	154,500	Replace Hardware, computers, laptops, monitors (\$60,000). Replace end-of-life servers (\$20,000). Training for current and new employees, (\$10,000). Printers (\$10,000). Software upgrades (\$25,000). Replace Police Department mobile computers (\$80,000)
	Water Capital Transfer	23,760	Water share of above
	Sewer Capital Transfer	15,840	Sewer share of above
	Golf Capital Transfer	3,000	Golf share of above
	Parking Capital Transfer	3,000	Parking share of above
	Arena Capital Transfer	1,000	Arena share of above
		\$201,100	2018 Subtotal
2019	General Capital Transfer	135,000	Replace hardware, computers, laptops, monitors (\$110,000). Replace end-of-life servers (\$20,000). Training for current and new employees, (\$10,000). Printers (\$10,000). Software upgrades (\$25,000).
	Sewer Capital Transfer	20,760	Sewer share of above
	Water Capital Transfer	13,840	Water share of above
	Parking Capital Transfer	3,000	Parking share of above
	Golf Capital Transfer	3,000	Golf share of above
	Arena Capital Transfer	1,000	Arena Share of above
		\$176,600	2019 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	INFORMATION TECHNOLOGY	#2-Information Technology Hardware & Software Replacement	
2020	General Capital Transfer	107,640	Replace hardware, computers, laptops, monitors (\$80,000). Replace end-of-life servers (\$20,000). Training for current and new employees, (\$10,000). Printers (\$10,000). Software upgrades (\$25,000).
	Water Capital Transfer	17,900	Water share of above
	Sewer Capital Transfer	11,900	Sewer share of above
	Golf Capital Transfer	3,000	Golf share of above
	Parking Capital Transfer	3,000	Parking share of above
	Arena Capital Transfer	1,000	Arena share of above
		\$144,440	2020 Subtotal
2021	General Capital Transfer	131,040	Replace hardware, computers, laptops, monitors (\$110,000). Replace 1/5 end-of-life servers (\$20,000). Training for current and new employees, (\$10,000). Printers (\$10,000). Software upgrades (\$25,000).
	Sewer Capital Transfer	20,160	Sewer share of above
	Water Capital Transfer	13,440	Water share of above
	Parking Capital Transfer	3,000	Parking share of above
	Golf Capital Transfer	3,000	Golf share of above
	Arena Capital Transfer	1,000	Arena share of above
		\$171,640	2021 Subtotal
2022	General Capital Transfer	154,500	Replace hardware, computers, laptops, monitors (\$80,000). Replace end-of-life servers (\$20,000). Training for current and new employees, (\$10,000). Printers (\$10,000) Software upgrades (\$25,000). Replace Fire Department apparatus mobile computers (\$60,000).
	Water Capital Transfer	23,760	Water share of above
	Sewer Capital Transfer	15,840	Sewer share of above
	Golf Capital Transfer	3,000	Golf share of above
	Parking Capital Transfer	3,000	Parking share of above
	Arena Capital Transfer	1,000	Arena share of above
		\$201,100	2022 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	INFORMATION TECHNOLOGY		#2-Information Technology Hardware & Software Replacement
2023	General Capital Transfer	135,000	Replace hardware, computers, laptops, monitors (\$50,000). Replace end-of-life servers (\$20,000). Training for current and new employees (\$10,000). Printers (\$10,000). Software upgrades (\$25,000). Replace Police Department mobile computers (\$80,000).
	Sewer Capital Transfer	20,760	Sewer share of above
	Water Capital Transfer	13,840	Water share of above
	Golf Capital Transfer	3,000	Golf share of above
	Parking Capital Transfer	3,000	Parking share of above
	Arena Capital Transfer	1,000	Arena share of above
		\$176,600	2023 Subtotal
2024	General Capital Transfer	120,000	Replace hardware, computers, laptops, monitors (\$85,000). Replace 1/5 end-of-life servers (\$20,000). Training for current and new employees (\$10,000). Printers (\$10,000). Software upgrades (\$25,000).
	Water Capital Transfer	17,600	Water share of above
	Sewer Capital Transfer	11,800	Sewer share of above
	Parking Capital Transfer	3,000	Parking share of above
	Golf Capital Transfer	3,000	Golf share of above
	Arena Capital Transfer	1,000	Arena share of above
		\$156,400	2024 Subtotal
	TOTAL	\$1,733,280	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #4-Fire Department Vehicle Replacement

I. PROJECT TYPE: Fire Vehicles

II. LOCATION: All Stations

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:

<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="H"/> Facility Cond.	<input type="checkbox" value="M"/> Productivity	
<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="N/A"/> Mandates	<input type="checkbox" value="H"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="H"/> City Master Pl.
<input type="checkbox"/> Rebuild	<input type="checkbox" value="H"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	Motor Vehicle Equipment
<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Systematic planned replacement of first line fire apparatus, rescue and support vehicles to provide for public safety and minimize operational costs for vehicle maintenance and repairs.

SERVICE IMPACT: Necessary to provide reliable emergency fire and medical services, as well as service for fire alarm, traffic and pedestrian signal equipment.

IMPACT IF NOT FUNDED: Reduced ability to service fire and emergency medical needs, as well as alarm system, traffic and pedestrian signal equipment in a timely fashion.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	0	0	0	80,000	80,000	50,000	0	0	0	210,000
General	G.O. Bonds	0	630,000	530,000	550,000	475,000	120,000	0	60,000	1,500,000	550,000	4,415,000
	Total	0	630,000	530,000	550,000	555,000	200,000	50,000	60,000	1,500,000	550,000	4,625,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #4-Fire Department Vehicle Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	525,000	Replace Engine #5 (2003)
	General G.O. Bonds	35,000	Replace Support Vehicle (2003 Ford Pick-up)
	General G.O. Bonds	35,000	Replace Support Vehicle (2004 Expedition)
	General G.O. Bonds	35,000	Replace Chief's Car (2007)
		\$630,000	2016 Subtotal
2017	General G.O. Bonds	250,000	Replacement Tanker Truck
	General G.O. Bonds	230,000	Replace Ambulance 5
	General G.O. Bonds	50,000	Replace Shift Commander Vehicle.
		\$530,000	2017 Subtotal
2018	General G.O. Bonds	550,000	Replace 1 Pumper Truck (Engine 7)
		\$550,000	2018 Subtotal
2019	General G.O. Bonds	475,000	Replace Ambulance 4 and Ambulance 7
	General Capital Transfer	80,000	Replace 2 Staff Vehicles.
		\$555,000	2019 Subtotal
2020	General G.O. Bonds	120,000	Replace Forestry Units 4 & 7 (2008)
	General Capital Transfer	80,000	Replace 2 Staff Vehicles
		\$200,000	2020 Subtotal
2021	General Capital Transfer	50,000	Replace Command Vehicle
		\$50,000	2021 Subtotal
2022	General G.O. Bonds	60,000	Replace Fire Prevention Education Trailer (2003)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	FIRE	#4-Fire Department Vehicle Replacement		
			\$60,000	2022 Subtotal
2023	General G.O. Bonds		1,500,000	Replace Ladder Truck
			\$1,500,000	2023 Subtotal
2024	General G.O. Bonds		550,000	Replace Engine 4
			\$550,000	2024 Subtotal
	TOTAL		\$4,625,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #17-Sidewalk, Bikeway and Streetscape Improvements

I. PROJECT TYPE: Sidewalks and Streetscapes

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:

<input type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Sidewalks
<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Comprehensive city-wide program to construct new or repair and rehabilitate existing sidewalks, pathways, bikeways, trails, and streetscape improvements including the installation of vertical and sloped granite curbing, paved and unpaved sidewalks, paths, and trails and related infrastructure and appurtenances as required to comply with current ADA standards and regulations. Work also includes the construction or repair and rehabilitation of sidewalk ramps, construction of dedicated lanes or widened shoulders for bike lane opportunities along with streetscape landscaping in order to improve and enhance multi-modal capacity throughout the City.

SERVICE IMPACT: Reduce annual maintenance costs related to deteriorated infrastructure.

IMPACT IF NOT FUNDED: Continued non-compliance with mandated ADA requirements.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 1996

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Donations	0	0	0	0	15,000	0	0	0	0	0	15,000
General	Highway Reserve	0	0	296,000	0	236,000	0	260,000	0	320,000	0	1,112,000
	Total	0	0	296,000	0	251,000	0	260,000	0	320,000	0	1,127,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #17-Sidewalk, Bikeway and Streetscape Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	General Highway Reserve	176,000	Highway Reserve share.
	General Highway Reserve	120,000	Penacook Village Area - Sidewalk/streetscape construction including sections along High Street, Community Drive, Allen Street, Canal Street, Summer Street, Stark Street, and Merrimack Street.
		\$296,000	2017 Subtotal
2019	General Highway Reserve	176,000	Highway Reserve share.
	General Highway Reserve	60,000	Penacook Village Area - Sidewalk/streetscape construction along Lilac Street from Village Street to Borough Road and Borough Road from Lilac Street to Primrose Lane.
	General Donations	15,000	Private Development Share of Project - Advanced Deposit Funds
		\$251,000	2019 Subtotal
2021	General Highway Reserve	200,000	Highway Reserve share.
	General Highway Reserve	60,000	West End Area - Sidewalk/streetscape construction including Liberty Street from Wyman Street to Centre Street, Franklin Street from Auburn Street to Terrace Road, Auburn Street from Columbus Avenue to Penacook Street and sections of Penacook Street and Little Pond Road.
		\$260,000	2021 Subtotal
2023	General Highway Reserve	200,000	Highway Reserve share.
	General Highway Reserve	60,000	South End - Sidewalk/streetscape construction including areas bounded by Pillsbury Street and Allison Street (between South Main Street and South Street), sections of South Main Street from Wilfred Avenue to Pillsbury Street and Broadway from Broad Avenue to South Main Street.
	General Highway Reserve	60,000	East Concord - Sidewalk/streetscape construction including sections along Mountain Road from Shawmut Street to Shaker Road and Cemetery Street from Shaker Road to Oak Hill Road.
		\$320,000	2023 Subtotal
	TOTAL	\$1,127,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #18-Storrs Street Extension, North & South

I. PROJECT TYPE: Streets New Construction

II. LOCATION: Northerly and southerly of present Storrs St., along and parallel to the west side of the railroad tracks.

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Corridor Improvements

DESCRIPTION: The purpose of this project is to provide municipal infrastructure in accordance with the 2006 "Opportunity Corridor Master Plan" in order to promote and encourage economic redevelopment in the Corridor.

SERVICE IMPACT: Moderate increases in highway operation and maintenance costs.

IMPACT IF NOT FUNDED: Delays economic development/redevelopment in the south end development corridor, prohibits of achieving long-standing goal of connecting Horseshoe Pond and former South End Rail Yard to Downtown.

IV PREVIOUS FISCAL YEAR AUTHORIZED: Oct. 1998 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	250,000	2,500,000	0	0	0	2,750,000
Other	Tax Increment Financing	0	0	0	400,000	4,000,000	0	0	0	0	0	4,400,000
	Total	0	0	0	400,000	4,000,000	250,000	2,500,000	0	0	0	7,150,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #18-Storrs Street Extension, North & South

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	Other Tax Increment Financing	400,000	Storrs Street Extension design from the current north end of Storrs Street at the Holiday Inn to Constitution Avenue.
		\$400,000	2018 Subtotal
2019	Other Tax Increment Financing	4,000,000	Storrs Street Extension construction from the current north end of Storrs Street at the Holiday Inn to Constitution Avenue. Assumes at grade crossing of High Speed Rail Corridor. Cost estimate to be refined as project schedule advances within the CIP. It is anticipated that the majority of the project will be financed via the NEOCTIF District. However funding from the General Fund may also be required.
		\$4,000,000	2019 Subtotal
2020	General G.O. Bonds	250,000	Storrs Street Extension design from Storrs Street at the intersection of Theatre Street southerly beneath the Water Street bridge to Langdon Avenue.
		\$250,000	2020 Subtotal
2021	General G.O. Bonds	2,500,000	Storrs Street Extension construction southerly from Theatre Street beneath the Water Street bridge to Langdon Avenue.
		\$2,500,000	2021 Subtotal
	TOTAL	\$7,150,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #19-Loudon Road (Rte. 9) Corridor Improvements

I. PROJECT TYPE: Street Corridor Improvements

II. LOCATION: Loudon Road (From Airport Road to Branch Turnpike)

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Corridor Improvements
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The Loudon Road Corridor Study was presented to the City Council in December 2001. The project goal is to implement a plan that will provide safe comfortable travel for vehicles, pedestrians and cyclists, that will be responsive to business and resident needs, and that will add aesthetic and quality of life improvements. The project will be constructed in several phases and include the upgrade of Loudon Road to two through lanes and a center turn lane in designated locations, the construction of a new signalized intersection opposite Northeast Village Drive and placement of streetscape enhancements along the corridor.

Additional improvements include access management controls such as gating Chenell Drive at its intersection with Pembroke Road and discontinuing Pembroke Road at Chenell Drive to encourage thru-traffic on Regional Drive.

Design and planning funds will allow staff to update of the 2001 study and work with the community on refining the design elements.

SERVICE IMPACT: Reduce maintenance costs for rehabilitation portions off-set increased operations and maintenance costs associated with roadway widening.

IMPACT IF NOT FUNDED: Continued traffic congestion, decreased pedestrian safety, increased motor vehicle accidents and failure to promote and implement guiding principles outlined in the Vision 20/20 Study.

IV PREVIOUS FISCAL YEAR AUTHORIZED: Sept 1996 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #19-Loudon Road (Rte. 9) Corridor Improvements

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	900,000	0	750,000	0	0	0	0	0	1,650,000
	Total	0	0	900,000	0	750,000	0	0	0	0	0	1,650,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	General G.O. Bonds	900,000	Phase 2 - Realign Branch Turnpike/Loudon Road intersection and construct a new Branch Turnpike terminus including traffic signals and discontinuance of Branch Turnpike travel way.
		\$900,000	2017 Subtotal
2019	General G.O. Bonds	750,000	Phase 3 - Final Traffic, Pavement and Streetscape Improvements including the permanent pedestrian signals/islands and streetscape enhancements.
		\$750,000	2019 Subtotal
	TOTAL	\$1,650,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #24-Exit 16 / Mountain Road / Shawmut Street Roundabout

I. PROJECT TYPE: Intersections

II. LOCATION: Mountain Road, Shawmut Street, I-93

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="L"/> Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox" value="L"/> Mandates	<input type="checkbox" value="L"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="M"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="N/A"/> O + M Costs	<input type="checkbox" value="M"/> Council Goals	<input type="checkbox" value="H"/> Timeliness	Intersection Improvement
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The reconstruction of Exit 16 including the reconfiguration of the interstate ramps, access road and intersection with Mountain Road was completed in 2001. This project, administrated by the NH Department of Transportation, included roadway improvements and widening to provide for turning and through lanes to improve traffic flow. The final configuration of the intersection supports a future traffic signal at Mountain Road.

In March 2003, traffic signal warrant analyses were performed indicating that signal warrants were met. Following public input, two improvement options including traffic signals and a modern roundabout were considered.

In November 2007, City Council approved the roundabout improvement option following public hearing.

SERVICE IMPACT: Improved pedestrian and vehicle safety and increase capacity.

IMPACT IF NOT FUNDED: Increased congestion and reduced safety.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 1999

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #24-Exit 16 / Mountain Road / Shawmut Street Roundabout

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	700,000	0	0	0	0	0	0	0	0	700,000
General	Impact Fees Traf Dist 2	0	150,000	0	0	0	0	0	0	0	0	150,000
	Total	0	850,000	0	0	0	0	0	0	0	0	850,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	700,000	Design and construction of a modern roundabout at the 4-leg intersection of Mountain Road, East Side Drive, Shawmut Street and Exit 16 Ramp Road (West Portsmouth Street).
	General Impact Fees Traf Dist 2	150,000	Impact Fee Portion
		<u>\$850,000</u>	2016 Subtotal
	TOTAL	<u>\$850,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #30-Hoit Road / Whitney Road Intersection Signalization

I. PROJECT TYPE: Intersections

II. LOCATION: Hoit Road, Whitney Road Intersection

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness

City Master Pl. Intersection Improvement

DESCRIPTION: Related to continue growth and development along the Hoit Road and Whitney Road commercial and industrial districts, this project includes the construction of a signalized intersection to provide coordinated turning and through movements at the intersection of Hoit Road (US Route 4) and Whitney Road.

SERVICE IMPACT: Provide appropriate level of service (when required) for Economic Development. Increased operating and maintenance costs associated with new signal.

IMPACT IF NOT FUNDED: Not necessary until warrants are met.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2004 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Impact Fees Traf Dist 1	0	0	0	0	200,000	0	0	0	0	0	200,000
General	Donations	0	0	0	0	2,050,000	0	0	0	0	0	2,050,000
	Total	0	0	0	0	2,250,000	0	0	0	0	0	2,250,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #30-Hoit Road / Whitney Road Intersection Signalization

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2019	General Donations	2,050,000	Donation share
	General Impact Fees Traf Dist 1	200,000	Design and construction of traffic signal and related improvements at intersection of Hoit and Whitney roads.
		\$2,250,000	2019 Subtotal
	TOTAL	\$2,250,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #31-Broadway / West Street Intersection (McKee Square) Signalization

I. PROJECT TYPE: Intersections

II. LOCATION: Broadway / West Street Intersection (McKee Square)

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input checked="" type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="L"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox" value="L"/> Mandates	<input type="checkbox" value="L"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="M"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox" value="L"/> O + M Costs	<input type="checkbox" value="L"/> Council Goals	<input type="checkbox" value="L"/> Timeliness	Intersection Improvement
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: As a result of traffic improvements recommended by Vanasse, Hangen, Brustlin, Inc. (VHB) in their 1990 Traffic Operations Improvement Plan, this project is intended to minimize congestion and improve safety by adding lane capacity at the intersection, providing orderly turning and through traffic movement capability along with pedestrian access and crosswalk improvements at the McKee Square intersection.

The intersection was recently studied as part of the Conant/Rundlett Safe Routes to School Travel Plan by the Central NH Regional Planning Commission and concluded that pedestrian improvements is a priority at this intersection.

The McKee Square intersection will be examined in a broader context to include not only the immediate McKee Square area but also the West Street/Broadway intersection, the South Street/Downing Street intersection, as well as the South Street/West Street intersection to determine what measures should be taken to improve traffic flow and safety.

SERVICE IMPACT: Slight increase in O&M costs associated with signal. Improved levels of service through intersection.

IMPACT IF NOT FUNDED: Increased traffic congestion and delays.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2000

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #31-Broadway / West Street Intersection (McKee Square) Signalization

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Impact Fees Traf Dist 3	0	0	0	100,000	0	0	0	0	0	0	100,000
General	G.O. Bonds	0	0	0	800,000	0	0	0	0	0	0	800,000
	Total	0	0	0	900,000	0	0	0	0	0	0	900,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	General G.O. Bonds	800,000	Construction of intersection improvements including traffic signalization at West Street and Broadway and modifications to the existing traffic signal at McKee Square.
	General Impact Fees Traf Dist 3	100,000	Traffic assessment and final design of intersection improvements including traffic signalization at West Street and Broadway and modifications to the existing traffic signal at McKee Square. Design includes public outreach with neighborhood.
		\$900,000	2018 Subtotal
	TOTAL	\$900,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #34-North Main Street / Storrs Street Intersection Signalization

I. PROJECT TYPE: Intersections

II. LOCATION: North Main at Storrs Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Intersection Improvement
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Construct traffic signals for the purpose of improving circulation as well as safety factors at the presently non-signalized intersection. In 2005, the Planning Board recommended this project be accelerated to accommodate increased traffic projected with the Capital Commons Project.

As part of this project Pitman Street would be realigned to complete the forth leg of the intersection.

Cost includes design and construction. An advanced traffic study component is included to examine new traffic patterns and demands as a result of the opening of Capital Commons Parking Garage and associated development.

It is anticipated that this project will be undertaken in conjunction with CIP 18 Storrs Street North Extension.

SERVICE IMPACT: Increase level of service and reduce delays for south bound, left turn movements from Storrs Street. Increased O & M costs for signal.

IMPACT IF NOT FUNDED: Increased traffic congestion and delays.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2001

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

20

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #34-North Main Street / Storrs Street Intersection Signalization

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	200,000	500,000	0	0	0	0	0	700,000
General	Impact Fees Traf Dist 3	0	0	0	5,000	0	0	0	0	0	0	5,000
	Total	0	0	0	205,000	500,000	0	0	0	0	0	705,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	General G.O. Bonds	200,000	Preliminary design, legal review and negotiation for right-of-way to construct traffic signal for the purpose of improving traffic circulation. In 1990, North Main Street was widened with the reconstruction of the Holiday Inn property to accommodate for future turning lanes at Storrs Street. Signal hardware needs to be installed to accommodate turning movements from Storrs Street on to Main Street.
	General Impact Fees Traf Dist 3	5,000	Impact Fee share
		<u>\$205,000</u>	2018 Subtotal
2019	General G.O. Bonds	500,000	Final design and construction of traffic signals at North Main Street and Storrs Street as well as the realignment of Pitman Street to complete the fourth leg of the intersection.
		<u>\$500,000</u>	2019 Subtotal
	TOTAL	<u>\$705,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #35-Route 3 Corridor (North)

I. PROJECT TYPE: Street Corridor Improvements

II. LOCATION: Route 3, From I-393 North to Boscawen Town Line

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Corridor Improvements
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: In 1991, a comprehensive corridor master plan examining the existing conditions and future growth needs along the NH Route 3 North corridor (North State Street, Fisherville Road and Village Street) was completed. The results included conceptual design improvements to the intersections at Fisherville Road/Bog Road, Fisherville Road/Sylvester Street and Village Street/Borough Road. The study also focused on improvements in the Penacook Village area.

In 1997, improvements to the intersection of Fisherville Road/Sewalls Falls Road were completed. Additionally, improvements to Village Street/Borough Road/Manor Road and Fisherville Road/Bog Road were completed by private development interests in 2006.

A corridor study to update the previous efforts was commissioned in 2006. The Route 3 Corridor Study was completed and accepted by City Council in 2007 outlining a number of critical corridor deficiencies and improvement options. This project plan proposes to implement those recommended improvements in an effort to address existing and future traffic congestion, access and mobility along the corridor. Construction began in 2007.

SERVICE IMPACT: Improve traffic flow and reduce delays and provide for safer access to and from North State Street, Fisherville Road and Village Street. Increased operations and maintenance costs for new signalized intersections and snow plowing operations. Decreased long term operations and maintenance costs for road repairs.

IMPACT IF NOT FUNDED: Increased congestion, lower level of service, more travel delays and increased roadway maintenance costs.

IV PREVIOUS FISCAL YEAR AUTHORIZED: Jan 1996 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #35-Route 3 Corridor (North)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	2,225,000	0	0	0	0	0	0	0	0	0	2,225,000
General	Highway Reserve	174,000	0	0	0	0	0	0	0	0	0	174,000
General	Impact Fees Traf Dist 1	110,000	0	0	0	0	0	0	0	0	0	110,000
	Total	2,509,000	0	0	0	0	0	0	0	0	0	2,509,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	2,225,000	Priority Area 6 - Design and construction of roadway improvements on Village Street from Borough Road/Manor Road to Stark Street (4,400 LF) including roadway, pedestrian, bicycle and utility facilities and modifications to the traffic signal at Village Street and Borough Road/Manor Road. (\$2,500,000)
			Design/Administration: \$250,000 Construction: \$2,250,000
	General Highway Reserve	174,000	Highway Reserve share.
	General Impact Fees Traf Dist 1	110,000	Impact Fee share
		\$2,509,000	2015 Subtotal
	TOTAL	\$2,509,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #36-Manchester Street / Route 3 South

I. PROJECT TYPE: Street Corridor Improvements

II. LOCATION: Manchester Street from Exit 13 Terminus to Pembroke Town Line

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> M Safety	<input type="checkbox"/> L Facility Cond.	<input type="checkbox"/> N/A Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox"/> H Mandates	<input type="checkbox"/> H Service Def.	<input type="checkbox"/> N/A Tax Base Exp.	<input type="checkbox"/> H City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> M O + M Costs	<input type="checkbox"/> H Council Goals	<input type="checkbox"/> L Timeliness	Corridor Improvements
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The widening of Manchester Street from two to three lanes and five lanes at the new signalized intersection at Airport Road is in the final design phase. The signalized intersection of Airport Road/Integra Drive and Manchester Street including the realignment of Broken Bridge Road was completed in 2012. The corridor improvement project includes a three lane travel section with new sidewalk on both sides of Manchester Street, vertical curbing and a drainage infiltration system.

The State's participation in the project shall include reconstruction of that portion of Manchester Street from Airport Road (Urban Compact) to the Pembroke town line. Cost share will be as follows: 2/3 State; 1/3 City.

Future traffic modeling projects volumes over 50,000 vehicles per day on this corridor. These improvements will improve traffic flow, minimize congestion and increase safety. This project is needed to support Phase I of the Garvins Falls Urban Reserve Area Plan.

In 2005, City Council approved to proceed with the improvements to Manchester Street consisting of a three lane section from Garvins Falls Road to Banks Chevrolet, acquisition of additional right of way (from an existing 66 feet to 82 feet) to accommodate the relocation of private utilities and the new signalized intersection at Airport Road and Integra Drive (to include five lane approach at the intersection).

To support full redevelopment of the Garvins Falls area, Manchester Street and traffic volumes a five lane widening will be necessary. See Project #43 (Garvins Falls) for additional improvements to the corridor at Old Suncook Road and Manchester Street.

SERVICE IMPACT: Improve traffic flow and reduce delays and provide for safer access to and from Manchester Street. Increased operational and maintenance costs for new signalized intersections and snow plowing operations. Decreased long term operational and maintenance costs for road repairs.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #36-Manchester Street / Route 3 South

IMPACT IF NOT FUNDED: Increased congestion, lower level of service and more travel delays. Also, without project, long term development of Garvins Falls Urban Reserve Area and over all redevelopment of the Manchester Street Corridor will be hindered.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	G.O. Bonds	0	0	0	0	0	110,000	0	0	0	0	110,000
General	G.O. Bonds	0	0	0	0	0	3,550,000	0	0	0	0	3,550,000
Sewer	G.O. Bonds	0	0	0	0	0	170,000	0	0	0	0	170,000
Total		0	0	0	0	0	3,830,000	0	0	0	0	3,830,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2020	Sewer G.O. Bonds	170,000	Replace approximately 1,100 feet of 15 inch sewer main with a new 18 inch main to provide for future capacity of the municipal system. Recommended in the 2004 Garvin's Falls Reserve Area Sewer Feasibility Report. Replacing deteriorated sanitary sewer service mains and installing new service mains.
	Water G.O. Bonds	110,000	Replace deteriorated service mains, install new service mains, hydrants and valves.
	General G.O. Bonds	2,750,000	Manchester Street reconstruction to three lanes from Garvin's Falls Road to Airport Road. Improvements include installation of a new storm water conveyance system.
	General G.O. Bonds	800,000	Construction of the signalized intersection of Manchester Street and Old Suncook Road (\$250,000). Discontinue Garvins Falls Road (\$50,000). Construction of the signalized intersection of Manchester Street and Jensen's Mobile Home Park together with related road improvements (\$500,000) . Previously approved by City Council in 2005.
		\$3,830,000	2020 Subtotal
TOTAL		\$3,830,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #39-Old Loudon Road / Loudon Road / D'Amante Drive Intersection

I. PROJECT TYPE: Streets New Construction

II. LOCATION: Westerly end of Old Loudon Road

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:

<input type="checkbox"/> New	<input type="checkbox" value="L"/> Safety	<input type="checkbox" value="N/A"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
<input type="checkbox"/> Replace	<input type="checkbox" value="N/A"/> Mandates	<input type="checkbox" value="L"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="M"/> City Master Pl.
<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="L"/> O + M Costs	<input type="checkbox" value="M"/> Council Goals	<input type="checkbox" value="N/A"/> Timeliness	Intersection Improvement
<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Relocate Old Loudon Road to align with D'Amante Drive.

This realignment will provide a signalized intersection at the juncture with Loudon Road and eliminate and skewed intersection which exists today.

SERVICE IMPACT: Improve pedestrian and traffic access from Old Loudon Road and Portsmouth Street neighborhoods. Increased O&M cost for signalization. Would support redevelopment along Old Loudon Road.

IMPACT IF NOT FUNDED: No significant impacts until substantial development occurs along Old Loudon Road.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Donations	0	750,000	0	0	0	0	0	0	0	0	750,000
	Total	0	750,000	0	0	0	0	0	0	0	0	750,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #39-Old Loudon Road / Loudon Road / D'Amante Drive Intersection

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Donations	750,000	Design and construction.
		<u>\$750,000</u>	2016 Subtotal
	TOTAL	<u>\$750,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #40-Langley Parkway

I. PROJECT TYPE: Streets New Construction

II. LOCATION: Clinton-Pleasant Street; Penacook/Auburn Street; North State Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	<input type="checkbox"/> Corridor Improvements
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: In the 1950's, the City began planning the construction of a new collector road from Clinton Street in the vicinity of White Farm to North State Street at Penacook Street (3.0 miles) in an effort to alleviate congestion and cut-through traffic in the downtown and central core neighborhood areas by diverting trips which originate and arrive at destinations outside the City proper to the bypass roadway.

Phase I of this connector roadway was initiated in 1995 and included a new signal at the intersection of Pleasant Street and Langley Parkway and associated turn lanes. Phase II of the project involved the completion of the southerly leg of the bypass (approximately 0.75 miles) from Clinton Street to the new signalized intersection at Pleasant Street and Langley Parkway. Construction was completed in 2008.

Phase III includes the northerly extension of the bypass (approximately 2.25 miles) from Pleasant Street (via Langley Parkway) to Rumford and Penacook Streets. In January 2008 and again in January 2010, City Council listed this project as one of their top ten priorities.

SERVICE IMPACT: Phase II has proven to reduce traffic congestion on South Fruit, Pleasant and Clinton Streets. Provides alternative access to Central Regional Medical Complex.

Phase III reduces traffic congestion and through traffic in residential areas north and south of Pleasant Street.

Increased O&M and snow plowing operational costs.

IMPACT IF NOT FUNDED: Regional Medical facility remains with single access. Additional corridor improvements needed along Pleasant, South Fruit and Clinton Streets at 100% city cost.

IV PREVIOUS FISCAL YEAR AUTHORIZED: May 1996

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

20

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #40-Langley Parkway

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Donations	0	1,000,000	80,000	1,665,000	0	0	0	0	0	0	2,745,000
General	G.O. Bonds	0	0	0	3,335,000	3,000,000	0	0	0	0	0	6,335,000
General	Impact Fees Traf Dist 3	0	0	170,000	0	0	0	0	0	0	0	170,000
	Total	0	1,000,000	250,000	5,000,000	3,000,000	0	0	0	0	0	9,250,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Donations	1,000,000	Modification intersection of Pleasant Street and Concord Hospital's East Driveway to allow for 2 way traffic at East Driveway.
		<u>\$1,000,000</u>	2016 Subtotal
2017	General Impact Fees Traf Dist 3	170,000	Final design, permitting and right-of-way easement acquisition for Phase III construction. City portion of project (2/3).
	General Donations	80,000	Private contribution portion of project (1/3).
		<u>\$250,000</u>	2017 Subtotal
2018	General G.O. Bonds	3,335,000	Phase III-A Construction - Construction of Langley Parkway from Pleasant Street to Auburn/Penacook Street. City portion of project (2/3).
	General Donations	1,665,000	Private contribution portion of project (1/3).
		<u>\$5,000,000</u>	2018 Subtotal
2019	General G.O. Bonds	3,000,000	Phase III-B Construction - Construction of Langley Parkway from Auburn/Penacook Street to Boutin Street/North State Street.
		<u>\$3,000,000</u>	2019 Subtotal
	TOTAL	<u>\$9,250,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #43-Garvins Falls Development Area

I. PROJECT TYPE: Economic Development

II. LOCATION: Urban Reserve Area Southerly of Manchester Street in the Vicinity of Garvins Falls Road

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Replace	<input type="checkbox"/> Rebuild	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis	<input type="checkbox"/> Safety	<input type="checkbox"/> Mandates	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Productivity	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> Timeliness	<input type="checkbox"/> City Master Pl.	<input type="checkbox"/> Corridor Improvements
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DESCRIPTION: This project provides access to the largest undeveloped non-residential area in the City as depicted in the 1996 "Garvins Falls Urban Reserve Area - Development Feasibility Study". In Phase 1, a new collector road is extended southerly from the Manchester Street/Old Suncook Road intersection to connect with a westerly extension of Integra Drive.

In later phases, Rte. 106 is extended westerly from Route 3 in Pembroke through the redevelopment area, eventually crossing the Merrimack River and connecting with Hall Street in the vicinity of the City Wastewater Treatment Plant. The project includes an internal roadway as well as water and sewer main extensions within the new roadway network.

This project is intended to support a public / private partnership with property owners / developers looking to undertake development projects within this area of the City.

SERVICE IMPACT: Seven (7) new miles of roads will need to be maintained with water, sewer and storm utilities included.

IMPACT IF NOT FUNDED: Project at build out (60 - 95 years) would increase city tax base significantly. If not funded, build out would be delayed.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 60

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #43-Garvins Falls Development Area

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Sewer	G.O. Bonds	0	0	0	0	0	0	0	0	1,275,000	0	1,275,000
Water	G.O. Bonds	0	0	0	0	0	0	0	0	875,000	0	875,000
General	G.O. Bonds	0	0	0	0	0	0	0	0	0	3,000,000	3,000,000
	Total	0	0	0	0	0	0	0	0	2,150,000	3,000,000	5,150,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2023	Sewer G.O. Bonds	1,275,000	Phase I sewer system extension in new streets.
	Water G.O. Bonds	875,000	Phase I water system extension in new streets.
		<u>\$2,150,000</u>	2023 Subtotal
2024	General G.O. Bonds	3,000,000	Phase I - Design and construction of new collector road extending southerly from the intersection of Manchester and Old Suncook Road. The extension of Integra Drive to the new collector road plus two interior access roads. 7,300 LF of new roadway.
		<u>\$3,000,000</u>	2024 Subtotal
	TOTAL	<u>\$5,150,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #50-Cemetery Improvements

I. PROJECT TYPE: Cemeteries

II. LOCATION: City Cemeteries

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Other

DESCRIPTION: Blossom Hill Cemetery requires renovation of infrastructure and expansion of facilities to support future use, including development of columbariums. Many of the cemetery streets need repaving as identified in a pavement management study. In addition, the purchase of land for future cemetery use is planned. Installation of another columbarium at Blossom Hill Cemetery is planned in out years, pending market demand. A fireproof record storage room is planned in future out years as well. With the inclusion of the Old North Cemetery on the National Historic Register the potential for grants becomes more feasible.

SERVICE IMPACT: Sections of the existing cemetery roadway network are seriously deteriorated thereby making winter maintenance difficult. In addition, the supply of traditional cemetery plots is dwindling in most facilities, thereby creating demand for expansion. The need for expansion will increase with the aging of the "baby boom" generation. Columbaria will provide families with options for the memorialization of cremated remains and they will extend the availability of cemetery land. Fireproof record storage will provide safe record retention.

IMPACT IF NOT FUNDED: Road deterioration will continue thereby necessitating more expensive repairs in the future. Interments in cemetery will decline in number and lot revenues will cease. Customers will be deprived of choice. Records could be destroyed by fire.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Cemetery	Donations	0	0	0	0	0	0	0	35,000	0	0	35,000
General	Capital Transfer	0	0	0	40,000	0	0	0	0	0	0	40,000
General	G.O. Bonds	0	0	65,000	0	70,000	100,000	0	0	0	0	235,000
	Total	0	0	65,000	40,000	70,000	100,000	0	35,000	0	0	310,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #50-Cemetery Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	General G.O. Bonds	25,000	Paving roads in Maple Grove Cemetery
	General G.O. Bonds	40,000	Paving roads in Blossom Hill Cemetery
		\$65,000	2017 Subtotal
2018	General Capital Transfer	40,000	Paving roads in Blossom Hill Cemetery
		\$40,000	2018 Subtotal
2019	General G.O. Bonds	70,000	Paving roads Pine Grove East Concord
		\$70,000	2019 Subtotal
2020	General G.O. Bonds	100,000	Create/Build fire proof room for record storage.
		\$100,000	2020 Subtotal
2022	Cemetery Donations	35,000	Purchase Columbarium at Blossom Hill Cemetery
		\$35,000	2022 Subtotal
	TOTAL	\$310,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #51-White Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: White Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input checked="" type="checkbox"/> New	<input type="checkbox"/> M Safety	<input type="checkbox"/> L Facility Cond.	<input type="checkbox"/> N/A Productivity	
SERVED:	<input checked="" type="checkbox"/> Replace	<input type="checkbox"/> N/A Mandates	<input type="checkbox"/> H Service Def.	<input type="checkbox"/> N/A Tax Base Exp.	<input type="checkbox"/> M City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> N/A O + M Costs	<input type="checkbox"/> N/A Council Goals	<input type="checkbox"/> M Timeliness	Parks
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: In FY2001, funds were appropriated to construct upgrades to the parking lot and hockey rink. At the request of the Friends of White Park and the Recreation and Parks Advisory Committee (RPAC), the design and construction was postponed pending completion of a park master plan. The park master plan was completed in 2005 resulting in the preparation of a multi-year, phased capital project program.

While a number of components to the park master plan were completed, this project is intended to implement the remaining elements of the 2005 White Park Master Plan in phases incorporating needed repairs and replacement facilities and/or construction of new facilities to serve existing and future needs of the neighborhood. Improvements include construction of a new multi-purpose building (designed in 2012 by the HL Turner Group), upgrades of the walkways to meet accessibility standards, and dredging the pond's edge for future enjoyment.

SERVICE IMPACT: Improved usability, appearance and community satisfaction as well as potentially decreased liability.

IMPACT IF NOT FUNDED: Deterioration of facilities will accelerate, increasing community dissatisfaction, disuse, and avoidance of this recreational asset. Also, deferred maintenance will result in higher repair costs in the future.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #51-White Park

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Outlay	0	0	0	0	85,000	0	0	10,000	0	0	95,000
General	Donations	0	400,000	0	90,000	0	0	0	0	0	0	490,000
General	G.O. Bonds	0	400,000	0	90,000	0	125,000	125,000	0	0	600,000	1,340,000
	Total	0	800,000	0	180,000	85,000	125,000	125,000	10,000	0	600,000	1,925,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	400,000	Multi-Purpose Building & Pond Project. City share.
	General Donations	400,000	Build new Multi-Purpose Building at White Park. Full design services were donated in FY13. New facility included restrooms, small maintenance equipment storage, skate house, and patio. Total cost to build \$800,000.
		<u>\$800,000</u>	2016 Subtotal
2018	General G.O. Bonds	90,000	Replace Monkey Around Playground. City share.
	General Donations	90,000	Replace Monkey Around Playground. (Parks and Rec). Donations share.
		<u>\$180,000</u>	2018 Subtotal
2019	General Capital Outlay	60,000	Full depth reconstruction of basketball court.
	General Capital Outlay	25,000	Replace basketball / hockey lights with energy efficient units.
		<u>\$85,000</u>	2019 Subtotal
2020	General G.O. Bonds	125,000	Phase I replace ornamental perimeter fencing.
		<u>\$125,000</u>	2020 Subtotal
2021	General G.O. Bonds	125,000	Phase II replace ornamental perimeter fencing.
		<u>\$125,000</u>	2021 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	REC-GROUNDS	#51-White Park		
2022	General	Capital Outlay	10,000	Crack seal & surface coat basketball court.
			\$10,000	2022 Subtotal
2024	General	G.O. Bonds	600,000	Acquisition of abutting private property for park expansion.
			\$600,000	2024 Subtotal
	TOTAL		\$1,925,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #52-Keach Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Loudon and Canterbury Roads and Newton Avenue

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Parks
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to establish a capital improvement program for Keach Park.

SERVICE IMPACT: Realignment of facility to meet recreational demands of community.

IMPACT IF NOT FUNDED: The park will not meet the growing needs of the community and neighborhood if improvements are not made to keep pace with demands.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Outlay	0	0	0	0	0	0	30,000	0	0	0	30,000
General	G.O. Bonds	0	25,000	0	75,000	0	75,000	0	0	0	0	175,000
	Total	0	25,000	0	75,000	0	75,000	30,000	0	0	0	205,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #52-Keach Park

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	25,000	Crack seal and resurface 3 basketball and tennis courts at Keach Park.
		\$25,000	2016 Subtotal
2018	General G.O. Bonds	75,000	Resurface and stripe parking lot at Keach Park. Timing subject to CIP 443 City Wide Community Center Project.
		\$75,000	2018 Subtotal
2020	General G.O. Bonds	75,000	Replace Playground Equipment, Timing subject to CIP 443 City Wide Community Center Project.
		\$75,000	2020 Subtotal
2021	General Capital Outlay	30,000	Replace irrigation system pump and appurtenances.
		\$30,000	2021 Subtotal
TOTAL		\$205,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #54-Russell Martin Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Iron Works Road and Birch Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness

City Master Pl. Parks

DESCRIPTION: The purpose of this project is to establish a capital improvement program for Russell Martin Park. Some improvements described herein stem from a design meeting of landscape professionals held in late 1996. In FY1998 access drives and parking were configured for interim use. Phase I prepared hardscape, paved parking areas and installed water sewer and electric utilities. Phase II will develop playing fields (including under drainage) and perimeter landscaping items. Phase III will complete parking lot pavement, driveways, timber rail, and additional drainage improvements. Phase IV will develop and complete concession and pavilion area, playground area, and infrastructure.

SERVICE IMPACT: Significant enhancement and coordination of underutilized recreation area to meet community requirements in the southern part of the City

IMPACT IF NOT FUNDED: Shortfall of fields for youth sports and community requirements will continue to grow.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	400,000	650,000	0	1,050,000
	Total	0	0	0	0	0	0	0	400,000	650,000	0	1,050,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #54-Russell Martin Park

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2022	General G.O. Bonds	400,000	Phase II Design and Construction - playing fields (including under drainage), perimeter landscaping items as well as enhancements to pedestrian and bicycle access way from Rolinda Avenue via City easement.
		\$400,000	
2023	General G.O. Bonds	425,000	Phase III Construction - complete design, develop plans and specifications and construct parking lot pavement, driveways, timber rail, and additional drainage improvements.
	General G.O. Bonds	225,000	Phase IV Construction - develop and complete concession and pavilion area, playground area, final landscaping and infrastructure.
		\$650,000	2023 Subtotal
	TOTAL	\$1,050,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #55-Rolfe Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Center Street, Penacook

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New L Safety M Facility Cond. N/A Productivity
 Replace N/A Mandates M Service Def. N/A Tax Base Exp. H City Master Pl.
 Rebuild N/A O + M Costs N/A Council Goals M Timeliness Parks
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to establish a capital improvement program for Rolfe Park.

In 2001, the parking area was reshaped and paved. New fencing was installed at the tennis courts. New perimeter fencing was installed along southwest corner of park. Expansion of tennis court was co-funded by Merrimack Valley School District. An irrigation system is proposed for the athletic fields, a picnic shelter is to be provided, as is a shade structure adjacent to the pool, and lighting for the baseball field will be evaluated and if warranted, installed in order to expand usage.

SERVICE IMPACT: Improved usability and community satisfaction as well as potentially decreased liability.

IMPACT IF NOT FUNDED: Deterioration of facilities will accelerate, increasing community dissatisfaction, disuse, and avoidance of this recreational asset. Also, deferred maintenance will result in higher repair costs in the future.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	0	0	0	0	100,000	0	0	0	0	100,000
General	G.O. Bonds	0	0	0	0	0	0	75,000	0	0	200,000	275,000
	Total	0	0	0	0	0	100,000	75,000	0	0	200,000	375,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #55-Rolfe Park

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2020	General Capital Transfer	100,000	Reconstruction of Basketball and Tennis Courts.
		\$100,000	2020 Subtotal
2021	General G.O. Bonds	75,000	Replace playground equipment
		\$75,000	2021 Subtotal
2024	General G.O. Bonds	100,000	Installation of an automatic irrigation system in order to maintain fields during dry conditions.
	General G.O. Bonds	100,000	Installation of lights for Baseball Field.
		\$200,000	2024 Subtotal
	TOTAL	\$375,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #56-Rollins Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Bow Street and Broadway

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Parks
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to establish a capital improvement program for Rollins Park in order to implement recommendations of the 2005 Park Master Plan. Projects are intended to repair and refurbish existing infrastructure, as well as construct new amenities to serve existing and future residents. Improvements include upgrades to the parking lot, landscaping, the baseball and softball fields, the playground area, as well as upgrades of the walkways to meet accessibility standards.

SERVICE IMPACT: Improved usability, appearance and community satisfaction as well as potentially decreased liability for the premier recreational facility of the South End.

IMPACT IF NOT FUNDED: Deterioration of facilities will accelerate, increasing community dissatisfaction, disuse, and avoidance of this recreational asset. Also, deferred maintenance will result in higher repair costs in the future.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	0	0	0	0	0	25,000	0	0	0	25,000
General	G.O. Bonds	0	15,000	0	100,000	0	75,000	775,000	0	0	0	965,000
	Total	0	15,000	0	100,000	0	75,000	800,000	0	0	0	990,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #56-Rollins Park

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	15,000	Repoint stone walls along Broadway.
		\$15,000	2016 Subtotal
2018	General G.O. Bonds	100,000	Reconstruct existing Basketball and Tennis Courts per master plan.
		\$100,000	2018 Subtotal
2020	General G.O. Bonds	75,000	Design of the Phase I park improvements including the reconstruction of the baseball and softball fields, irrigation, walkways and a picnic area.
		\$75,000	2020 Subtotal
2021	General G.O. Bonds	400,000	Construction of Phase I park improvements including the reconstruction of the baseball and softball fields, irrigation, walkways and a picnic area.
	General G.O. Bonds	300,000	Design and construction of Phase II improvements including access and parking areas.
	General G.O. Bonds	75,000	Replace playground equipment.
	General Capital Transfer	25,000	Replace baseball field backstop.
		\$800,000	2021 Subtotal
	TOTAL	\$990,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #57-Gustaf H. Lehtinen Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Horse Hill Road

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Parks
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Maintenance of multi-purpose bridge installed over the Contoocook River in 2008/2009.

SERVICE IMPACT: Maintenance of the bridge will ensure that it remains a safe and useful asset for residents

IMPACT IF NOT FUNDED: Condition of bridge could deteriorate thereby causing liability for the City.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	0	0	0	50,000	0	0	0	0	0	50,000
	Total	0	0	0	0	50,000	0	0	0	0	0	50,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2019	General Capital Transfer	50,000	Structural inspection and maintenance of recreation bridge structure and trail approaches.
		<u>\$50,000</u>	2019 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#57-Gustaf H. Lehtinen Park
TOTAL		<u>\$50,000</u>

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #59-Terrill Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Old Turnpike Road at Manchester Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Replace	<input type="checkbox"/> Rebuild	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis	<input type="checkbox"/> Safety	<input type="checkbox"/> Mandates	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Productivity	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> Timeliness	<input type="checkbox"/> City Master Pl.	<input type="checkbox"/> Parks
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DESCRIPTION: In 2005, Groundwork Concord prepared a park master plan outlining opportunities to expand park uses. This project is intended to implement those recommendations including the design and construction of trails, parking areas, picnicking area, as well as a new athletic field. Street lighting will be added adjacent to the park on Old Turnpike Road in order to improve public safety.

In 2009, staff coordinated a review of the previous master plan and presented options to the Recreation and Parks Advisory Committee (RPAC). The park plan recognized the need for expanded athletic field capacity at this location and now includes the design and construction of a premiere synthetic turf multi-purpose athletic field, grandstands, supportive team rooms, concessions, and storage buildings, sports lighting along with parking facilities and related utilities.

Terrill Park was expanded with the use of federal Land & Water Conservation Funds. Because of this, the snow storage area at the Park must be relocated. Currently, the City is working to relocate that facility to City owned land on Terrill Park Drive which is accessed via a right-of-way which needs to be expanded to allow for trucks coming and going to dump the snow. The costs of a widening of the access easement and the improvement were approved in FY2012.

SERVICE IMPACT: Provide additional appropriate recreation facilities at previously under-utilized park.

IMPACT IF NOT FUNDED: Continued community dissatisfaction, disuse, and avoidance of this recreational asset, and increased future costs associated with delayed improvements.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #59-Terrill Park

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	180,000	0	0	0	0	0	0	850,000	475,000	1,505,000
General	Impact Fees Rec Dist 4	0	0	0	0	0	0	60,000	0	0	0	60,000
General	Donations	0	0	0	0	0	0	0	0	875,000	0	875,000
	Total	0	180,000	0	0	0	0	60,000	0	1,725,000	475,000	2,440,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	180,000	Design and construct an interim grass athletic field and parking lot improvements within snow dump area Assumes relocation of current snow dump location to new site in order to bring the park into compliance with Land and Water Conservation Fund (LWCF) deed restrictions.
		<u>\$180,000</u>	2016 Subtotal
2021	General Impact Fees Rec Dist 4	60,000	Design multi-purpose athletic facility as identified in the 2009 park master plan including a multi-purpose synthetic turf field, grandstands, concessions, team rooms, storage buildings, related parking and utility infrastructure and connecting sidewalks, paths and trails.
		<u>\$60,000</u>	2021 Subtotal
2023	General Donations	875,000	Donations share
	General G.O. Bonds	850,000	Phase 1 - construct multi-purpose playing field, grandstands, parking areas and related utilities.
		<u>\$1,725,000</u>	2023 Subtotal
2024	General G.O. Bonds	475,000	Phase 2 - Design and construct concession concourse, team rooms, storage buildings and related park improvements.
		<u>\$475,000</u>	2024 Subtotal
	TOTAL	<u>\$2,440,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #60-Kiwanis (Waterfront) Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Loudon Road, (Adjacent to Everett Arena)

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input checked="" type="checkbox"/> New	<input type="checkbox"/> L Safety	<input type="checkbox"/> N/A Facility Cond.	<input type="checkbox"/> N/A Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox"/> N/A Mandates	<input type="checkbox"/> L Service Def.	<input type="checkbox"/> N/A Tax Base Exp.	<input type="checkbox"/> H City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> M O + M Costs	<input type="checkbox"/> N/A Council Goals	<input type="checkbox"/> M Timeliness	Parks
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: In 2009, staff coordinated a review of a previous master plan and presented options to the Arena Advisory Committee (AAC) as well as the Recreation and Park Advisory Committee (RPAC). The park plan recognized the need for expanded athletic field capacity at this location and now includes the design and construction of a multi-purpose athletic field, storage buildings, sports lighting along with parking facilities and related utilities.

In 2008, City Council approved the construction of a boat house by Concord Crew Club on the Waterfront Park property and construction was completed in 2009.

This project is intended to implement the 2009 Master Plan for Kiwanis Park. Specifically, projects described herein shall be intended to repair existing infrastructure as well as provide additional amenities to serve current and future needs. All projects herein are subject to relocation of the Fire Training Facility.

SERVICE IMPACT: Long range plan for expansion and full utilization of this City owned property.

IMPACT IF NOT FUNDED: A significant recreational asset will be underdeveloped in Concord.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #60-Kiwanis (Waterfront) Park

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	60,000	0	0	0	0	0	0	0	500,000	0	560,000
General	Impact Fees Rec Dist 4	0	0	0	0	0	0	0	100,000	0	0	100,000
	Total	60,000	0	0	0	0	0	0	100,000	500,000	0	660,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	60,000	Design, permitting and reconstruction of the public boat ramp and maintenance of boat dock platform.
		\$60,000	2015 Subtotal
2022	General Impact Fees Rec Dist 4	100,000	Final design and permitting of park improvements based on the 2009 park master plan. Project includes conversion of Fire Training Grounds into park space for field based recreation.
		\$100,000	2022 Subtotal
2023	General G.O. Bonds	500,000	Construction of park improvements based on 2009 park master plan.
		\$500,000	2023 Subtotal
	TOTAL	\$660,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #63-City Wide Recreation Facility Improvements

I. PROJECT TYPE: Public Buildings

II. LOCATION: Various City Locations

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="N/A"/> Mandates	<input type="checkbox" value="M"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="H"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="N/A"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	Public Facilities
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The purpose of this project is to provide for renovation and repair of Recreation Facilities throughout the city, including pools and community centers.

Any proposed repairs to the West Street Ward House and existing Heights Community Center are subject to change due to the potential "Multigenerational Community Center Project" (CIP 443), which calls for the closure and consolidation of those facilities to a new center located at Keach Park. See CIP 443 for more detail.

SERVICE IMPACT: Increased usability and reduced maintenance.

IMPACT IF NOT FUNDED: Deterioration of buildings will accelerate.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	260,000	390,000	395,000	400,000	25,000	183,000	430,000	407,000	300,000	350,000	3,140,000
	Total	260,000	390,000	395,000	400,000	25,000	183,000	430,000	407,000	300,000	350,000	3,140,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #63-City Wide Recreation Facility Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	175,000	Replace the wood floor in the gym at the Green Street Community Center.
	General G.O. Bonds	85,000	Temporary repairs for pools at Keach, Merrill, Kimball & Rolfe parks.
		\$260,000	2015 Subtotal
2016	General G.O. Bonds	390,000	Rolfe pool replacement
		\$390,000	2016 Subtotal
2017	General G.O. Bonds	395,000	Kimball pool replacement
		\$395,000	2017 Subtotal
2018	General G.O. Bonds	400,000	Keach pool replacement
		\$400,000	2018 Subtotal
2019	General G.O. Bonds	25,000	Refurbish the Bicentennial Square Fountain.
		\$25,000	2019 Subtotal
2020	General G.O. Bonds	50,000	Replace slate roof at West Street Ward House.
	General G.O. Bonds	45,000	Replace wood floor in dance studio at Green Street Community Center.
	General G.O. Bonds	25,000	Chlorinators and pumps at 3 (three) pools
	General G.O. Bonds	25,000	Repair granite stairs and concrete foundation at West Street Ward House.
	General G.O. Bonds	25,000	Replace restroom partitions at all City pools.
	General G.O. Bonds	13,000	Replace heating system at West Street Ward House.
		\$183,000	2020 Subtotal
2021	General G.O. Bonds	405,000	Merrill pool replacement
	General G.O. Bonds	25,000	Replace toilet partitions at pools.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	<u>#63-City Wide Recreation Facility Improvements</u>		
		\$430,000	2021 Subtotal	
2022	General G.O. Bonds	300,000		Green Street Community Center - Replace heating system. Explore conversion of existing steam heat system to energy efficient forced hot water system supplied by natural gas. Timing depends upon opening of future City-wide Multi-generational Community Center at Keach Park (CIP 443).
	General G.O. Bonds	75,000		Replace Green Street Community Center roof (last done in 1997).
	General G.O. Bonds	32,000		Chlorinators and pumps at 4 (four) pools
		<u>\$407,000</u>	2022 Subtotal	
2023	General G.O. Bonds	300,000		White Park pool replacement
		<u>\$300,000</u>	2023 Subtotal	
2024	General G.O. Bonds	350,000		Garrison pool replacement
		<u>\$350,000</u>	2024 Subtotal	
	TOTAL	<u>\$3,140,000</u>		

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #64-Arena Improvements

I. PROJECT TYPE: Arena

II. LOCATION: Everett Arena

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Public Facilities
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Provides for the continued rehabilitation and needed capital investments in the arena to ensure a viable facility into the future. Improvements include, but are not limited to, repair / reconstruction of parking lots, electrical up-grades, chiller unit replacement, as well as periodic replacement of roofing and exterior siding.

SERVICE IMPACT: Regular capital improvements will help maintain the facility, improve safety, decrease escalations in operating and maintenance expenses, and help keep the facility competitive in the market place.

IMPACT IF NOT FUNDED: The Arena is competing in a very competitive market that has seen dramatic growth in recent years. If the City does not make investments in the property, the arena's market share could be negatively affected, thereby reducing revenues and threatening its ability to remain financially self sufficient.

IV PREVIOUS FISCAL YEAR AUTHORIZED: June 1997 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Arena	Capital Transfer	40,000	20,000	0	0	0	0	0	10,000	0	0	70,000
Arena	G.O. Bonds	45,000	0	100,000	0	0	100,000	100,000	0	150,000	0	495,000
	Total	85,000	20,000	100,000	0	0	100,000	100,000	10,000	150,000	0	565,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #64-Arena Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Arena G.O. Bonds	30,000	Replace exterior signage
	Arena Capital Transfer	30,000	Chiller system upgrades and maintenance
	Arena G.O. Bonds	15,000	Arc flash assessment and training.
	Arena Capital Transfer	10,000	Replace exterior signage
		\$85,000	2015 Subtotal
2016	Arena Capital Transfer	20,000	Architectural and engineering services to design a new lobby.
		\$20,000	2016 Subtotal
2017	Arena G.O. Bonds	100,000	Replace Zamboni
		\$100,000	2017 Subtotal
2020	Arena G.O. Bonds	100,000	Replace chiller system compressors, 1960 vintage. Project identified in Dubois & King facilities report.
		\$100,000	2020 Subtotal
2021	Arena G.O. Bonds	100,000	Replace Munters Dehumidification Unit
		\$100,000	2021 Subtotal
2022	Arena Capital Transfer	10,000	Replace Zamboni batteries
		\$10,000	2022 Subtotal
2023	Arena G.O. Bonds	150,000	Pave parking lot and re-stripe markings
		\$150,000	2023 Subtotal
TOTAL		\$565,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #65-City Hall Renovations

I. PROJECT TYPE: Public Buildings

II. LOCATION: City Hall - Green Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Public Facilities
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to make routine investments to preserve, restore, and maintain City Hall, Police, Annex and Audi. Structural components, exterior integrity, service systems and the appearance of City Hall have deteriorated due to age and myriad of interim fixes. Deterioration is an ongoing issue which must be continuously addressed in order to prevent more expensive repairs in the future, eliminate potential hazards and liabilities, as well as to maintain employee morale.

SERVICE IMPACT: Improved usability and maintainability of City Hall. Enhancement of community pride in municipal activity focal point.

IMPACT IF NOT FUNDED: Deterioration, energy inefficiency and high maintenance costs.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

15

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	85,000	97,000	185,000	115,000	35,000	175,000	20,000	30,000	250,000	60,000	1,052,000
	Total	85,000	97,000	185,000	115,000	35,000	175,000	20,000	30,000	250,000	60,000	1,052,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #65-City Hall Renovations

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	70,000	Arc Flash analysis for City Hall, Police, Annex and Audi
	General G.O. Bonds	15,000	Audi sprinkler system alarm improvements
		\$85,000	2015 Subtotal
2016	General G.O. Bonds	50,000	Upgrades to interior finishes at City Hall and Annex.
	General G.O. Bonds	22,000	Annex rear entry repair; including replacement of stairs and landing.
	General G.O. Bonds	20,000	Install re-heat coils into the fresh air make up systems at City Hall.
	General G.O. Bonds	5,000	Police mechanical roof SE corner vibration isolators
		\$97,000	2016 Subtotal
2017	General G.O. Bonds	25,000	Paint interior, carpet and flooring in City Hall Annex
	General G.O. Bonds	160,000	Design and refurbishment of sidewalks within and around Municipal Complex including Green and Prince St. Includes installation of subsurface heating system within the complex.
		\$185,000	2017 Subtotal
2018	General G.O. Bonds	100,000	Carpet replacement throughout areas displaying major wear.
	General G.O. Bonds	15,000	Annex pre-cast panels repair.
		\$115,000	2018 Subtotal
2019	General G.O. Bonds	35,000	Paint interior and replace carpet in Council Chambers
		\$35,000	2019 Subtotal
2020	General G.O. Bonds	175,000	Replace the elevator at City Hall.
		\$175,000	2020 Subtotal
2021	General G.O. Bonds	20,000	Paint and ceiling tiles in select areas of significant wear.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	<u>#65-City Hall Renovations</u>		
		\$20,000	2021 Subtotal	
2022	General G.O. Bonds	<u>30,000</u>		Placeholder for general serviceability of functional areas within the City Hall complex.
		\$30,000	2022 Subtotal	
2023	General G.O. Bonds	150,000		Replace heating system. Explore conversion of existing steam heat system to energy efficient forced hot water system supplied by natural gas.
	General G.O. Bonds	<u>100,000</u>		Service and upgrade HVAC system and refresh EMS system installed in 2006.
		\$250,000	2023 Subtotal	
2024	General G.O. Bonds	50,000		Security system installation. Door hardware and card reader system compatible with police building system.
	General G.O. Bonds	<u>10,000</u>		Replace re-heat coils at City Hall at outside air intake.
		\$60,000	2024 Subtotal	
	TOTAL	<u>\$1,052,000</u>		

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: LIBRARY #68-Library

I. PROJECT TYPE: Public Buildings

II. LOCATION: 45 Green Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="text" value="L"/> Safety	<input type="text" value="M"/> Facility Cond.	<input type="text" value="N/A"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="text" value="N/A"/> Mandates	<input type="text" value="N/A"/> Service Def.	<input type="text" value="N/A"/> Tax Base Exp.	<input type="text" value="H"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="text" value="N/A"/> O + M Costs	<input type="text" value="N/A"/> Council Goals	<input type="text" value="M"/> Timeliness	Public Facilities
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: In 1995, Tappe and Associates completed a comprehensive architectural survey of the library building at 45 Green Street. Identified in the architectural survey were needed improvements to the roof of the library, windows, exterior surfaces and mechanical systems designed to protect the integrity of the structure. In addition, handicap accessibility related issues were identified and corrections proposed.

In October 2007 an updated library needs assessment was completed by J. Stewart Roberts Associates, Inc. This report, which was accepted by the City Council in December 2007, recommended that the City pursue construction of a new 40,000 SF public library in downtown Concord with associated parking areas. In September 2008 the City Council directed the formation of the 21st Century Library Task Force to conduct a fundraising feasibility study, develop estimates of operating costs for a new facility, as well as formal site selection study. The Task Force presented its findings to the City Council in January 2011. The Task Force's report reaffirmed the findings of the 2007 needs assessment and recommended that the City pursue acquisition of property in downtown for construction of a new facility.

SERVICE IMPACT: A new building would facilitate improved library services for the community. The project would allow for a greater portion of the Library's collection to be displayed (much is currently in storage). The project would also feature more seating, meeting and programming space, an expanded supply of computers for public use, as well as provide for a more efficient use of building space and better access to parking for patrons. By relocating the Library to a new site within th Downtown, the facility will serve as an important institutional anchor and activity generator thereby providing a positive economic impact for the community.

IMPACT IF NOT FUNDED: Inability of library to expand its service or collection to meet the growing needs of the community.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: LIBRARY #68-Library

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	2,250,000	0	0	2,250,000
	Total	0	0	0	0	0	0	0	2,250,000	0	0	2,250,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2022	General G.O. Bonds	2,250,000	Funding for property acquisition for future construction of a new Concord Public Library.
		<u>\$2,250,000</u>	2022 Subtotal
	TOTAL	<u>\$2,250,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #71-Runway Protection Zones: Property Acquisition

I. PROJECT TYPE: Airport

II. LOCATION: Concord Municipal Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Airport

DESCRIPTION: The 2006 Airport Master Plan outlined a capital program to acquire property available in the runway protection zone of runway 17/35 on Grant and Greeley Streets. Property acquisition began in 2005. The City has acquired seven of the eight targeted properties using 2008 FAA Grant. Owner of the eighth property did not wish to sell. City will revisit this possible acquisition with the property owner in the future.

SERVICE IMPACT: Provides for FAA mandated control of safety areas.

IMPACT IF NOT FUNDED: Possible loss of future Federal funding for Airport capital projects.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Airport	Capital Transfer	0	0	0	0	0	0	0	23,750	0	0	23,750
Other	Federal	0	0	0	0	0	0	0	427,500	0	0	427,500
Other	State	0	0	0	0	0	0	0	23,750	0	0	23,750
	Total	0	0	0	0	0	0	0	475,000	0	0	475,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #71-Runway Protection Zones: Property Acquisition

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2022	Other Federal	427,500	Acquire available property in Runway 17 protection zone. Federal Share.
	Airport Capital Transfer	23,750	City share of acquisition project.
	Other State	23,750	State share of acquisition project.
		<u>\$475,000</u>	2022 Subtotal
	TOTAL	<u>\$475,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #72-Runway Pavement Improvements

I. PROJECT TYPE: Airport

II. LOCATION: Concord Municipal Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED New Safety Facility Cond. Productivity
 SERVED: Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Airport
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Reclaim runways 17/35 and 3/21 as recommended in the 2006 Airport Master Plan.

SERVICE Routine preventative maintenance to extend life.

IMPACT:

IMPACT IF NOT FUNDED: Decreased life of pavement resulting in functional obsolete facility and potential loss of market share to other local general aviation airports.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other State		0	0	22,223	147,778	147,778	50,000	0	0	0	0	367,779
Airport Capital Transfer		0	0	22,223	0	0	0	0	0	0	0	22,223
Airport G.O. Bonds		0	0	0	147,778	147,778	50,000	0	0	0	0	345,556
Other Federal		0	0	400,000	2,660,000	2,660,000	900,000	0	0	0	0	6,620,000
	Total	0	0	444,446	2,955,556	2,955,556	1,000,000	0	0	0	0	7,355,558

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #72-Runway Pavement Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	Other Federal	400,000	Design the reclaim runway 17/35 and upgrade signage and lighting on the airfield to comply with current FAA regulations. Complete drainage repairs in the vicinity of the ramp area as recommended in the Airport Master Plan, SWPPP. The runway will be shifted 300 feet to the south to comply with Runway Safety Determination Study.
	Other State	22,223	Design the reclaim runway 17/35. State share.
	Airport Capital Transfer	22,223	Design the reclaim runway 17/35. City share.
		\$444,446	2017 Subtotal
2018	Other Federal	2,660,000	Reclaim runway 17/35 and upgrade signage and lighting on the airfield to comply with current FAA regulations. Complete drainage repairs in the vicinity of the ramp area as recommended in the Airport Master Plan, SWPPP. North side.
	Airport G.O. Bonds	147,778	Reclaim runway 17/35. City share.
	Other State	147,778	Reclaim runway 17/35. State share
		\$2,955,556	2018 Subtotal
2019	Other Federal	2,660,000	Reclaim runway 17/35 and upgrade signage and lighting on the airfield to comply with current FAA regulations. Complete drainage repairs in the vicinity of the ramp area as recommended in the Airport Master Plan, SWPPP. South side. Shift runway 300 feet to the south to comply with Runway Determination Safety Study.
	Other State	147,778	Reclaim runway 17/35. State share
	Airport G.O. Bonds	147,778	Reclaim runway 17/35. City Share.
		\$2,955,556	2019 Subtotal
2020	Other Federal	900,000	Design and Reclaim taxiway on abandoned runway 3/21, north section. Federal share.
	Airport G.O. Bonds	50,000	Reclaim taxiway on abandoned runway 3/21, north section. City share.
	Other State	50,000	Reclaim taxiway on abandoned runway 3/21, north section. State share.
		\$1,000,000	2020 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#72-Runway Pavement Improvements
TOTAL		<u>\$7,355,558</u>

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #75-General Airport Repairs

I. PROJECT TYPE: Airport

II. LOCATION: Concord Municipal Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="text" value="N/A"/> Safety	<input type="text" value="M"/> Facility Cond.	<input type="text" value="N/A"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="text" value="N/A"/> Mandates	<input type="text" value="N/A"/> Service Def.	<input type="text" value="N/A"/> Tax Base Exp.	<input type="text" value="H"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="text" value="L"/> O + M Costs	<input type="text" value="M"/> Council Goals	<input type="text" value="M"/> Timeliness	Airport
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Project entails general maintenance of city-owned infrastructure at the airport which are not reimbursable by the Federal Aviation Administration or State of New Hampshire. Typical projects include hanger repairs, refurbishment of parking areas, etc.

SERVICE IMPACT: Routine maintenance of infrastructure is required in order avoid potential liability with deteriorated facilities as well as to create an environment to spur growth and economic development at the airport.

IMPACT IF NOT FUNDED: Potential health / safety / welfare liabilities to the City due to deteriorated buildings and facilities.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Airport	G.O. Bonds	95,000	55,000	70,000	0	20,000	120,000	30,000	120,000	50,000	25,000	585,000
Airport	Capital Transfer	0	10,000	0	15,000	10,000	0	0	0	0	20,000	55,000
	Total	95,000	65,000	70,000	15,000	30,000	120,000	30,000	120,000	50,000	45,000	640,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #75-General Airport Repairs

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Airport G.O. Bonds	95,000	Hangar 3 roof replacement.
		\$95,000	2015 Subtotal
2016	Airport G.O. Bonds	40,000	Parking lot resurfacing & striping
	Airport G.O. Bonds	15,000	Hangar 3 ceiling replacement.
	Airport Capital Transfer	10,000	Tree removal. Master Plan recommendation
		\$65,000	2016 Subtotal
2017	Airport G.O. Bonds	70,000	Replace Terminal Building flat roof over 1960s addition (last done in 1998).
		\$70,000	2017 Subtotal
2018	Airport Capital Transfer	15,000	Hangar maintenance and repairs.
		\$15,000	2018 Subtotal
2019	Airport G.O. Bonds	20,000	Crack sealing tie down areas.
	Airport Capital Transfer	10,000	Tree removal. Ongoing maintenance item to meet FAA requirements.
		\$30,000	2019 Subtotal
2020	Airport G.O. Bonds	120,000	Window replacement for 1961 portion of the terminal building.
		\$120,000	2020 Subtotal
2021	Airport G.O. Bonds	30,000	Hangar maintenance and repairs.
		\$30,000	2021 Subtotal
2022	Airport G.O. Bonds	60,000	Hangar # 4 roof replacement.
	Airport G.O. Bonds	60,000	Hangar # 2 roof replacement.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#75-General Airport Repairs		
		\$120,000	2022 Subtotal	
2023	Airport G.O. Bonds	30,000		Refurbish/replace outdated heating equipment in the terminal building.
	Airport G.O. Bonds	20,000		Hangar maintenance and repairs.
		\$50,000	2023 Subtotal	
2024	Airport G.O. Bonds	25,000		Remove vinyl asbestos tiles (VAT) flooring and floor mastic (hazardous) and install new vinyl composite tile (VCT) flooring throughout the terminal building.
	Airport Capital Transfer	20,000		Tree removal. Ongoing maintenance item to meet FAA requirements.
		\$45,000	2024 Subtotal	
	TOTAL	\$640,000		

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #77-Airport Snow Removal Equipment (SRE) & Equipment Storage Facility

I. PROJECT TYPE: Airport

II. LOCATION: Concord Municipal Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="N/A"/> Facility Cond.	<input type="checkbox" value="M"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="M"/> Mandates	<input type="checkbox" value="M"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="H"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox" value="L"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	Airport
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Purchase new winter operations equipment for the Airport to replace deteriorated aging equipment with high maintenance and failure rates that jeopardize ability to keep the airport open during inclement weather.

SERVICE IMPACT: Replacement and upgrade of equipment to insure snow removal at airport to comply with grant assurances. Also to improve productivity of staff.

IMPACT IF NOT FUNDED: Loss of FAA grant money participation. Inability to remove snow from airport to meet grant assurances.

IV PREVIOUS FISCAL YEAR AUTHORIZED: July 1999 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	State	25,639*	0	0	0	0	0	18,750	0	0	0	44,389
Other	Federal	461,500*	0	0	0	0	0	337,500	0	0	0	799,000
Airport	Capital Transfer	25,639	0	0	0	0	0	18,750	0	0	0	44,389
	Total	512,778	0	0	0	0	0	375,000	0	0	0	887,778

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #77-Airport Snow Removal Equipment (SRE) & Equipment Storage Facility

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Other Federal	250,000	Add a drive through garage bay to the snow removal equipment storage building.
	Other Federal	211,500	Purchase new 10 wheeler dump truck with plow and 2 wings. Federal Share.
	Other State	13,889	State portion.
	Airport Capital Transfer	13,889	City portion.
	Airport Capital Transfer	11,750	City portion.
	Other State	11,750	State portion.
		\$512,778	2015 Subtotal
2021	Other Federal	337,500	Purchase new snow blower (\$250,000), tow-behind sweeper (\$60,000), sander with liquid system (\$15,000) and ice spreader for dump truck with plow (\$15,000) snow removal equipment. Federal Share.
	Other State	18,750	State share
	Airport Capital Transfer	18,750	City Share.
		\$375,000	2021 Subtotal
	TOTAL	\$887,778	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #78-Annual Highway Improvement Program

I. PROJECT TYPE: Street Rehabilitation

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Road Resurfacing
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: To complete various surface repairs on existing infrastructure or construct minor alterations to improve traffic flow. Cold plane/overlay replaces the surface and adjusts roadway's profile. Rubblization involves cold plane/overlay with in-place crushing and recycling of underlying asphalt roadway. Crack sealing and drainage repairs to extend the life and protect the investment.

SERVICE IMPACT: Improved ride-ability and reduced maintenance. Extend life of road infrastructure.

IMPACT IF NOT FUNDED: Deterioration will accelerate to total failure requiring a more expensive remedy.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Highway Reserve	1,137,500	1,093,200	1,095,000	2,096,600	2,484,000	2,530,000	2,646,300	3,276,000	3,000,000	3,293,000	22,651,600
	Total	1,137,500	1,093,200	1,095,000	2,096,600	2,484,000	2,530,000	2,646,300	3,276,000	3,000,000	3,293,000	22,651,600

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #78-Annual Highway Improvement Program

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Highway Reserve	877,500	MAINTENANCE OVERLAYS: Dwinell Dr.; Full Length Federal St; Full Length Gale St; Full Length Holt St; Full Length Mountain Rd. from Tow Path Lane to Country Club Ln. Orchard St; Full Length Pleasant St; Langley to Fisk Pleasant View; Full Length Prince St; Full Length Redington Rd; Full Length Short St; Full Length Silk Farm Rd; Clinton St to I-89 Summit St; Full Length Tahanto St; Full Length Tuttle St; Full Length
	General Highway Reserve	150,000	Crack Sealing various streets.
	General Highway Reserve	85,000	Drainage Repairs.
	General Highway Reserve	25,000	Emergency Overlays to hold roads together.
		\$1,137,500	2015 Subtotal
2016	General Highway Reserve	783,200	MAINTENANCE OVERLAYS J. Bartlett Rd; Full Length Old Loudon Rd; Full Length South St; Avon to Bow T/L West Portsmouth St. full length
	General Highway Reserve	200,000	Crack Sealing various streets.
	General Highway Reserve	85,000	Drainage Repairs.
	General Highway Reserve	25,000	Emergency Overlays to hold roads together.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER #78-Annual Highway Improvement Program	<u>\$1,093,200</u>	2016 Subtotal
2017	General Highway Reserve	785,000	MAINTENANCE OVERLAYS: Cemetery St; Full Length Ferrin Rd; Full Length Portsmouth St; E Side to Old Loudon Rd S Main St; Wilfred to Joffre W Parish Rd; Full Length
	General Highway Reserve	200,000	Crack Sealing various streets.
	General Highway Reserve	85,000	Drainage Repairs.
	General Highway Reserve	<u>25,000</u>	Emergency Overlays to hold roads together.
		<u>\$1,095,000</u>	2017 Subtotal
2018	General Highway Reserve	1,466,600	MAINTENANCE OVERLAYS: Abbott Rd; Alder Creek to Village St Appleton St.; Full Length Asby Rd; Full Length Chapel St; Full Length Columbus St; Full Length Fowler St; Full Length Garvins Falls Rd; Full Length Locke Rd; W Locke to end River Rd; Full Length Rumford St; Albin to N. State S Fruit St; Full Length Sewalls Falls Rd; N State to Second St Washington St (P); Fowler to River Rd Wilson Ave; South St to Norwich
	General Highway Reserve	320,000	COLD PLANE/OVERLAY: Manchester St. from Old Turnpike Road to Garvins Falls Rd.;
	General Highway Reserve	200,000	Crack Sealing various streets.
	General Highway Reserve	85,000	Drainage Repairs.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#78-Annual Highway Improvement Program	
	General Highway Reserve	25,000	Emergency Overlays to hold roads together.
		\$2,096,600	2018 Subtotal
2019	General Highway Reserve	1,715,000	RECLAMATION: Quail Ridge Rd. full length Silk Farm Rd. from Clinton to Bow T/L; South St. full length; South State St. full length; Sundance Rd. full length;
	General Highway Reserve	444,000	MAINTENANCE OVERLAY: Borough Rd; River to Blueberry Carter St; Full Length Laurel St; Full Length Norwich St; Clinton to Wilson Pine St; Full Length Sewalls Falls Rd; RR Xing to Mountain Rd
	General Highway Reserve	200,000	Crack Sealing various streets.
	General Highway Reserve	100,000	Drainage Repairs.
	General Highway Reserve	25,000	Emergency Overlays to hold roads together.
		\$2,484,000	2019 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#78-Annual Highway Improvement Program	
2020	General Highway Reserve	1,489,000	RECLAMATION: Allen St (P); Full Length Barnett St.; Full Length Bonney St.; Full Length Broduer St (P); Full Length Canal St (P); Village St to Community Dr. Community Dr.; Full Length Cross St (P); Full Length Dolphin St.; Full Length Hardy Ave; Full Length High St (P); Full Length Shaw St (P); Full Length Stark St.; Full Length Steeple View (P); Full Length Summer St (P); Full Length Winter St (P); Full Length
	General Highway Reserve	716,000	MAINTENANCE OVERLAY: Allison St; Full Length Downing St; Full Length Liberty St; Centre to Pleasant N Spring St; Full Length Rumford St; Pleasant St to Albin Washington St; Full Length
	General Highway Reserve	200,000	Crack Sealing various streets.
	General Highway Reserve	100,000	Drainage Repairs.
	General Highway Reserve	25,000	Emergency Overlays to hold roads together.
		\$2,530,000	2020 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#78-Annual Highway Improvement Program	
2021	General Highway Reserve	1,784,000	RECLAMATION: Bye St (P); Full Length Coral St (P); Full Length Electric Ave (P); Full Length Elliott St (P); Full Length Fifield St (P); Full Length Lilac St (P); Full Length MacCoy St (P); Full Length Merrimack St. (P); Full Length Millstream Ln (P) ; Washington St to Bentwood Rolfe St (P); Full Length Sanders St.; Full Length Sweatt St (P); Full Length Tanner St (P); Full Length Washington St (P); Full Length Webster Pl (P); Elm to T/L
	General Highway Reserve	537,300	MAINTENANCE OVERLAY: Chase St; Full Length Clinton St; Princeton to S Spring Cornell St; Full Length Cypress St; Full Length Dartmouth St; Full Length Harvard St; Full Length Morton St; Full Length Noyes St; Full Length Pleasant St; Rum Hill to Langley Parkway Princeton St; Full Length Yale St; Full Length
	General Highway Reserve	200,000	Crack Sealing various streets.
	General Highway Reserve	100,000	Drainage Repairs.
	General Highway Reserve	25,000	Emergency Overlays to hold roads together.
		\$2,646,300	2021 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#78-Annual Highway Improvement Program	
2022	General Highway Reserve	2,951,000	RECLAMATION: Eastman St; Full Length Edward Dr; Full Length Fogg St.; Full Length Gilmore St; Full Length Hillside; Full Length Irving Dr; Full Length Jennifer Dr; Full Length Judith Dr; Full Length Kensington St.; full length King St.; Full Length Minot St.; Full Length N Fruit St; School to Pleasant Penacook St; Rumford to Auburn Rum Hill Rd.; full length School St; Westbourne to Rum Hill Spalding St.; Full Length Sulloyway; Full Length Susan Ln; Full Length Terrace Rd; Full Length Westborne Rd.; Full Length Wildemere; Full Length Woodman; Full Length
	General Highway Reserve	200,000	Crack Sealing various streets.
	General Highway Reserve	100,000	Drainage Repairs.
	General Highway Reserve	25,000	Emergency Overlays to hold roads together.
		\$3,276,000	2022 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#78-Annual Highway Improvement Program	
2023	General Highway Reserve	2,420,000	RECLAMATION: Airport Rd.; # 90 to # 184 Airport Rd.; Quincy to Loudon Bow St; Full Length Chennel Dr.; Pembroke to Regional Dakin; Full Length District #5 Rd; Full Length Dunklee; Full Length Glen St.; Full Length Holly St.; Full Length Humphrey St; Full Length Joffre St; Full Length Kimball St; Full Length Maitland St; Full Length Matthew St.; Full Length McKinley St.; Full Length Spruce St.; Full Length Stone St.; Bow to Broadway
	General Highway Reserve	255,000	MAINTENANCE OVERLAYS: Badger St; Full Length Blake St; Full Length Forest St.; Auburn to Ridge Springfield St; Full Length Thayer Pond Rd.; Full length
	General Highway Reserve	200,000	Crack Sealing various streets.
	General Highway Reserve	100,000	Drainage Repairs.
	General Highway Reserve	25,000	Emergency Overlays to hold roads together.
		\$3,000,000	2023 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#78-Annual Highway Improvement Program	
2024	General Highway Reserve	2,968,000	RECLAMATION: Bishops Gate; Full Length Bog Rd.; Full Length Broad Cove Dr.; Full Length Chestnut Ct.; Full Length Donavon St.; Full Length Horseshoe Pond R d.; Full Length Pembroke Rd.; Full Length Ridge Rd.; Full Length Rockland Rd.; Full Length Sewalls Falls Rd. Second St. to Abbott Rd. St. Johns St.; Full Length Stickney Hill Rd.; Full Length Vernon St.; Full Length
	General Highway Reserve	200,000	Crack Sealing Various Streets.
	General Highway Reserve	100,000	Drainage Repairs.
	General Highway Reserve	25,000	Emergency Overlays to hold roads together.
		\$3,293,000	2024 Subtotal
TOTAL		\$22,651,600	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #83-Storm Water Master Plan Implementation

I. PROJECT TYPE: Storm Sewer

II. LOCATION: Concord/Penacook - City Proper and Downtown location areas with closed drainage systems would be prioritized for initial construction.

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input checked="" type="checkbox"/> New	<input type="checkbox"/> N/A Safety	<input type="checkbox"/> N/A Facility Cond.	<input type="checkbox"/> N/A Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox"/> M Mandates	<input type="checkbox"/> H Service Def.	<input type="checkbox"/> N/A Tax Base Exp.	<input type="checkbox"/> M City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> H O + M Costs	<input type="checkbox"/> N/A Council Goals	<input type="checkbox"/> M Timeliness	Other
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: A City-wide master plan of existing storm drainage facilities was completed and approved by City Council in 2007. The study includes a comprehensive field assessment of existing conditions, location surveys and mapping of the entire drainage system/drainage areas in the GIS system. Results of the study are being used to prioritize maintenance activities and provide a plan for storm drainage replacement and/or expansion of the system including potential for development of a storm sewer enterprise fund (CIP 479).

The purpose of this project is to design and construct significant improvements to the City's storm water drainage system, to be potentially funded by creation of storm water enterprise fund.

SERVICE IMPACT: Provides for long-term prioritization of storm sewer repairs and replacement and evaluation of system adequacy to meet regulatory requirements.

IMPACT IF NOT FUNDED: Potential for system failures and regulatory violations.

IV PREVIOUS FISCAL YEAR AUTHORIZED: June 1997 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #83-Storm Water Master Plan Implementation

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	G.O. Bonds	0	0	1,000,000	1,000,000	1,250,000	1,250,000	1,250,000	1,250,000	1,500,000	1,500,000	10,000,000
	Total	0	0	1,000,000	1,000,000	1,250,000	1,250,000	1,250,000	1,250,000	1,500,000	1,500,000	10,000,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	Other G.O. Bonds	1,000,000	Placeholder: Major drainage infrastructure improvements. Subject to CIP 479 (Storm Water Enterprise Fund).
		\$1,000,000	2017 Subtotal
2018	Other G.O. Bonds	1,000,000	Placeholder: Major drainage infrastructure improvements. Subject to CIP 479 (Storm Water Enterprise Fund).
		\$1,000,000	2018 Subtotal
2019	Other G.O. Bonds	1,250,000	Placeholder: Major drainage infrastructure improvements. Subject to CIP 479 (Storm Water Enterprise Fund).
		\$1,250,000	2019 Subtotal
2020	Other G.O. Bonds	1,250,000	Placeholder: Major drainage infrastructure improvements. Subject to CIP 479 (Storm Water Enterprise Fund).
		\$1,250,000	2020 Subtotal
2021	Other G.O. Bonds	1,250,000	Placeholder: Major drainage infrastructure improvements. Subject to CIP 479 (Storm Water Enterprise Fund).
		\$1,250,000	2021 Subtotal
2022	Other G.O. Bonds	1,250,000	Placeholder: Major drainage infrastructure improvements. Subject to CIP 479 (Storm Water Enterprise Fund).
		\$1,250,000	2022 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#83-Storm Water Master Plan Implementation	
2023	Other G.O. Bonds	1,500,000	Placeholder: Major drainage infrastructure improvements. Subject to CIP 479 (Storm Water Enterprise Fund).
		<u>\$1,500,000</u>	2023 Subtotal
2024	Other G.O. Bonds	1,500,000	Placeholder: Major drainage infrastructure improvements. Subject to CIP 479 (Storm Water Enterprise Fund).
		<u>\$1,500,000</u>	2024 Subtotal
	TOTAL	<u>\$10,000,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #84-Water Main Cleaning & Lining

I. PROJECT TYPE: Water Distribution System

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Water
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to provide for routine cleaning and lining of potable water mains throughout the City.

SERVICE IMPACT: Routine cleaning and lining helps to maintain water quality as well as water pressure. Project will also help eliminate leaks.

IMPACT IF NOT FUNDED: Decreased quality of water for users. Higher costs to repair or replace water mains in the future. Potential loss of water due to leaks in systems.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 50

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	Capital Transfer	20,000	0	20,000	0	20,000	0	20,000	0	20,000	0	100,000
Water	G.O. Bonds	0	800,000	0	650,000	0	1,040,000	0	700,000	0	400,000	3,590,000
	Total	20,000	800,000	20,000	650,000	20,000	1,040,000	20,000	700,000	20,000	400,000	3,690,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #84-Water Main Cleaning & Lining

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Water Capital Transfer	20,000	Design of Fernald, Kearsarge, Lawrence, Mill, Ormond, Winthrop, Fifield, Hullbakers, Welch and Elliott St.
		\$20,000	2015 Subtotal
2016	Water G.O. Bonds	800,000	Line Fernald, 532 LF; Lawrence, 1,150 LF; Mill, 346 LF; Ormond, 650 LF; Winthrop, 720 LF;; Elliott, 450 LF; Fifield, 200 LF; Hullbakers, 365 LF and Welch St, 285 LF.
		\$800,000	2016 Subtotal
2017	Water Capital Transfer	20,000	Design Orion Street, Kensington Road, Warren Street, and Westbourne Street.
		\$20,000	2017 Subtotal
2018	Water G.O. Bonds	650,000	Line approximately 3,700 LF of main on Kensington, Warren, Orion and Westbourne Streets.
		\$650,000	2018 Subtotal
2019	Water Capital Transfer	20,000	Design of Ridge, School and Valley Streets.
		\$20,000	2019 Subtotal
2020	Water G.O. Bonds	1,040,000	Lining of approximately 5,500 LF of water mains on Ridge, School and Valley Streets.
		\$1,040,000	2020 Subtotal
2021	Water Capital Transfer	20,000	Design Curtice, Edgemont, Engle, Ferry, Foster, Prospect, Blanchard, N. Essex and Rowell.
		\$20,000	2021 Subtotal
2022	Water G.O. Bonds	700,000	Lining of approximately 4,000 LF of water mains on Curtice, Edgemont, Engle, Ferry, Foster, Prospect, Blanchard, N. Essex and Rowel.
		\$700,000	2022 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#84-Water Main Cleaning & Lining	
2023	Water Capital Transfer	20,000	Design approximately 2,000 LF of 12" water mains on Pembroke Road, 120 LF of 4" on Perkins Court and 600 LF of 6 " on Grant Street.
		\$20,000	2023 Subtotal
2024	Water G.O. Bonds	400,000	Line approximately 2,000 LF of 12" water mains on Pembroke Road, 120 LF of 4" on Perkins Court and 600 LF of 6 " on Grant Street.
		\$400,000	2024 Subtotal
	TOTAL	\$3,690,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #85-Water Main Replacement

I. PROJECT TYPE: Water Distribution System

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Water
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to routinely replace existing water mains, which are either undersized or in too poor of condition to clean and line, with new pipe.

SERVICE IMPACT: Corrects inadequacies in and improves hydraulic configuration of distribution system. Corrects water quality deficiencies when cleaning and lining would be ineffective or of limited value.

IMPACT IF NOT FUNDED: Decreased quality of water for users. Higher costs to repair or replace water mains in the future. Potential loss of water due to leaks in systems.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 90

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	G.O. Bonds	0	0	1,800,000	0	1,600,000	0	1,900,000	0	2,470,000	0	7,770,000
Water	Capital Transfer	20,000	0	20,000	0	0	20,000	0	20,000	0	20,000	100,000
	Total	20,000	0	1,820,000	0	1,600,000	20,000	1,900,000	20,000	2,470,000	20,000	7,870,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #85-Water Main Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Water Capital Transfer	20,000	Design Walnut St., Cross St, and Community Drive project.
		\$20,000	2015 Subtotal
2017	Water G.O. Bonds	1,800,000	Replace 6" mains on Walnut, Cross and Community with 8" mains.
	Water Capital Transfer	20,000	Design of Rolfe St, Allen St., Sanders and High St. project.
		\$1,820,000	2017 Subtotal
2019	Water G.O. Bonds	1,600,000	Replace 6" mains on Rolfe Street and Allen Street with 8" mains. Replace 6" main on High Street with 12' main. Replace an 1.75" main on Sanders Street with a 6 inch main, hydrant installed.
		\$1,600,000	2019 Subtotal
2020	Water Capital Transfer	20,000	Design North Fruit St., Woodman St, and Minot St. project.
		\$20,000	2020 Subtotal
2021	Water G.O. Bonds	1,900,000	Construct North Fruit Street (1,100 LF of 8" main); Woodman Street (370 LF of 8" main), and Minot Street (780 LF of 8" main).
		\$1,900,000	2021 Subtotal
2022	Water Capital Transfer	20,000	Design Lawrence Street, Bee Street, Heights Road, Commercial Street, Vernon, and Wiggins Street (South Main to Donovan Street).
		\$20,000	2022 Subtotal
2023	Water G.O. Bonds	2,470,000	Construct Lawrence Street (414 LF of 2" main); Bee Street, Heights Road; Commercial Street (1,000 LF of 8" main); Vernon (323 LF of 2" main) and Wiggins Street (South Main to Donovan Street).
		\$2,470,000	2023 Subtotal
2024	Water Capital Transfer	20,000	Design Portsmouth Street (East Side Drive to water tank), Industrial Park Drive (entire length), Oak and Fuller Streets.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#85-Water Main Replacement	
		\$20,000	2024 Subtotal
TOTAL		\$7,870,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #86-Water Main Construction

I. PROJECT TYPE: Water Distribution System

II. LOCATION: See Attached List

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness

City Master Pl. Water

DESCRIPTION: Construct new water mains to strengthen the transmission and distribution systems.

SERVICE IMPACT: Improves water quality, increases efficiency of system, expands the distribution network throughout the City.

IMPACT IF NOT FUNDED: Existing service deficiencies will remain unchanged.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 90

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	G.O. Bonds	0	1,300,000	0	0	1,000,000	1,500,000	0	0	0	0	3,800,000
	Total	0	1,300,000	0	0	1,000,000	1,500,000	0	0	0	0	3,800,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	Water G.O. Bonds	1,300,000	Construction of water main on Sewalls Falls Road from Manor Road to Whitney Road Ext. in conjunction with the Sewalls Falls Bridge Replacement Project - 2,600LF of 16" main.
		\$1,300,000	2016 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#86-Water Main Construction	
2019	Water G.O. Bonds	1,000,000	Construct 2,700LF of 12 inch main from Black Hill Road and Manchester Street to Garvins Falls Road. Project to be coordinated with CIP #36.
		\$1,000,000	2019 Subtotal
2020	Water G.O. Bonds	1,500,000	Constitution Avenue from South Commercial Street to Higgins Place, 1,900LF of 8" main. Project to be coordinated with CIP #18 and expiration of NEOCTIF District.
		\$1,500,000	2020 Subtotal
	TOTAL	\$3,800,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #88-Water Plant Improvements

I. PROJECT TYPE: Water Treatment

II. LOCATION: Water Plant

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Water
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The project will allow for various equipment improvements as recommended by Phase II of the Water Master Plan completed in 2007.

SERVICE IMPACT: Increased reliability and efficiency of Water Treatment Plan equipment.

IMPACT IF NOT FUNDED: It is becoming increasing difficult to find replacement parts for obsolete equipment. Consequently, equipment failures could result in significant or prolonged service interruptions. Limited pumping capacity will cause continuation of inefficient operating configurations that may not meet forecasted demand.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 25 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	G.O. Bonds	1,220,000	300,000	300,000	200,000	100,000	600,000	250,000	100,000	200,000	11,000,000	14,270,000
Water	Capital Close-out	33,554	0	0	0	0	0	0	0	0	0	33,554
	Total	1,253,554	300,000	300,000	200,000	100,000	600,000	250,000	100,000	200,000	11,000,000	14,303,554

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #88-Water Plant Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Water G.O. Bonds	1,220,000	Construction of chemical improvements PHASE II designed in 2012. Recommended in Master Plan.
	Water Capital Close-out	33,554	Close out share.
		\$1,253,554	2015 Subtotal
2016	Water G.O. Bonds	200,000	Water facilities infrastructure needs assessment to identify current and future needs and develop a comprehensive capital improvement schedule for the next 10 years.
	Water G.O. Bonds	100,000	Concrete repair and surface refurbishment of the original brick surface treatment at landing/loading platform.
		\$300,000	2016 Subtotal
2017	Water G.O. Bonds	300,000	Raw water pump improvements. Last refurbishments 2008 and 2009.
		\$300,000	2017 Subtotal
2018	Water G.O. Bonds	200,000	Pump station # 4 chemical process improvements design. Master Plan Phase II recommendation.
		\$200,000	2018 Subtotal
2019	Water G.O. Bonds	100,000	Resurface the concrete deck over the exterior sedimentation basins. Last resurfaced in 1997.
		\$100,000	2019 Subtotal
2020	Water G.O. Bonds	600,000	Pump station # 4. Construct chemical process improvements. Master Plan Phase II recommendation.
		\$600,000	2020 Subtotal
2021	Water G.O. Bonds	250,000	Pump Station. # 4 refurbishment, structural and architectural improvements. Master Plan Phase II recommendation.
		\$250,000	2021 Subtotal
2022	Water G.O. Bonds	100,000	Install baffles in the clear well to prevent short circuiting and improve critical chemical contact time.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-WATER	#88-Water Plant Improvements	\$100,000	2022 Subtotal
2023	Water G.O. Bonds		200,000	Pilot testing for a new water treatment system at Hutchins Street Facility. Master Plan recommendation.
			\$200,000	2023 Subtotal
2024	Water G.O. Bonds		10,000,000	Placeholder for refurbishment of the treatment facility to meet the 12 Million Gallons per Day (MGD) capacity as proposed in the 2007 Master Plan. Preliminary estimate only. Cost to be refined.
	Water G.O. Bonds		1,000,000	Design of new water treatment system at Hutchins Street. Master Plan recommendation.
			\$11,000,000	2024 Subtotal
TOTAL			\$14,303,554	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #89-Hall Street Waste Water Treatment Plant Odor Control

I. PROJECT TYPE: Sewer Treatment

II. LOCATION: 125 Hall Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs

Facility Cond. Service Def. Council Goals

Productivity Tax Base Exp. Timeliness

City Master Pl. Sewer

DESCRIPTION: In FY2005 the engineering firm Fay, Spofford and Thorndike conducted an evaluation of odor sources at the Hall St. Waste Water Treatment Plant. Per the findings of this evaluation, a multiphase implementation plan was created in order to construct improvements at the plant to reduce the impact of odors on the surrounding neighborhood. This project provides funding for design and construction of various odor control systems for both the solids and liquids treatment processes conducted at the facility.

SERVICE IMPACT: Further odor abatement in surrounding neighborhoods should be achieved. O&M costs will increase due to additional power, chemical and maintenance requirements.

IMPACT IF NOT FUNDED: Forgo reduction in odor emissions as well as energy consumption.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Sewer	G.O. Bonds	40,000	150,000	2,350,000	0	0	0	275,000	4,300,000	100,000	0	7,215,000
	Total	40,000	150,000	2,350,000	0	0	0	275,000	4,300,000	100,000	0	7,215,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #89-Hall Street Waste Water Treatment Plant Odor Control

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Sewer G.O. Bonds	40,000	Project plans 2 rounds of emission source sampling during the summer of 2014. Samples to be analyzed for reduced sulfur compounds and odor concentration. Objective is to define effectiveness of recently completed odor control improvements and confirm the most significant remaining emission sources prior to implementing additional odor control improvements.
		\$40,000	2015 Subtotal
2016	Sewer G.O. Bonds	150,000	Design engineering services for phase 2 liquid stream odor control improvements. Phase 2 includes full surface covers for the primary clarifiers and associated ductwork and fans to connect to the odor control system constructed in phase 1 improvements.
		\$150,000	2016 Subtotal
2017	Sewer G.O. Bonds	2,350,000	Construction engineering services and construction of odor control improvements designed in FY16. Construction engineering services \$250,000 and construction \$2.1M.
		\$2,350,000	2017 Subtotal
2021	Sewer G.O. Bonds	275,000	Design of 2nd bio tower refurbishment. Project includes structural repair, new media, distribution system and enclosure for odor control.
		\$275,000	2021 Subtotal
2022	Sewer G.O. Bonds	4,300,000	Construct bio tower improvements designed in FY21.
		\$4,300,000	2022 Subtotal
2023	Sewer G.O. Bonds	100,000	Sludge holding tank scrubber refurbishment
		\$100,000	2023 Subtotal
	TOTAL	\$7,215,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #91-Sewer Main Rehabilitation and Construction

I. PROJECT TYPE: Sewer Collection

II. LOCATION: See Explanation Below

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New N/A Safety M Facility Cond. N/A Productivity
 Replace N/A Mandates H Service Def. L Tax Base Exp. H City Master Pl.
 Rebuild N/A O + M Costs N/A Council Goals M Timeliness Sewer
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to line or replace sewer mains which are in poor condition. This project also includes maintenance of the sewer interceptors access roads.

SERVICE IMPACT: Reduced maintenance and improved service.

IMPACT IF NOT FUNDED: Continued deterioration of sewer system will result in increasing ongoing maintenance costs, potential health and safety liabilities, and more expensive permanent repairs in the future.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 50

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Sewer	G.O. Bonds	350,000	0	300,000	0	350,000	0	175,000	0	225,000	400,000	1,800,000
Sewer	Capital Transfer	25,000	55,000	30,000	50,000	35,000	50,000	30,000	50,000	0	0	325,000
General	Donations	108,000*	0	0	0	0	0	0	0	0	0	108,000
	Total	483,000	55,000	330,000	50,000	385,000	50,000	205,000	50,000	225,000	400,000	2,233,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #91-Sewer Main Rehabilitation and Construction

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Sewer G.O. Bonds	350,000	Relay 900 LF of sewer main on Village Street, between Manor and Abbott. Install 700 LF of new main by Beede Electric.
	General Donations	108,000	Extension of 12" Sanitary Sewer along Fisherville Road to Dollar General. Work under development agreement to be completed as part of CIP35-Phase 6 Improvements and funded by developer donations.
	Sewer Capital Transfer	25,000	Interceptor access road maintenance south of Second Street. Approximately 600LF of brush and tree clearing, reclaim, rip rap, loam and seed.
		\$483,000	2015 Subtotal
2016	Sewer Capital Transfer	35,000	Interceptor access road maintenance south of Second Street. Approximately 750LF of brush and tree clearing, reclaim, rip rap, loam and seed.
	Sewer Capital Transfer	20,000	Design Putney, B and Forest streets project.
		\$55,000	2016 Subtotal
2017	Sewer G.O. Bonds	300,000	Replace 480 LF of 8" main and existing domestic gates in Putney . Replace 8" main in B Street. Replace 155 LF in Forest St. (cross country).
	Sewer Capital Transfer	30,000	Interceptor access road maintenance south of Second Street. Approximately 750LF of brush and tree clearing, reclaim, rip rap, loam and seed.
		\$330,000	2017 Subtotal
2018	Sewer Capital Transfer	30,000	Interceptor access road maintenance south of Second Street. Approximately 750LF of brush and tree clearing, reclaim, rip rap, loam and seed.
	Sewer Capital Transfer	20,000	Design 2,820 LF of lining on Merrimack, Village (from Stark to Beede) and Chandler
		\$50,000	2018 Subtotal
2019	Sewer G.O. Bonds	350,000	Line f 24" and 8" sewer main Merrimack(#90 to Penacook St), Village (Stark to Beede) and Chandler(town line to Elm St.).
	Sewer Capital Transfer	35,000	Interceptor access road maintenance south of Second Street. Approximately 750LF of brush and tree clearing, reclaim, rip rap, loam and seed.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:		CD-ENGINEERING SERVICES	#91-Sewer Main Rehabilitation and Construction
		\$385,000	2019 Subtotal
2020	Sewer Capital Transfer	30,000	Interceptor access road maintenance south of Second Street. Approximately 750LF of brush and tree clearing, reclaim, rip rap, loam and seed.
	Sewer Capital Transfer	20,000	Design Rumford Street, Sexton Ave., Vernon/Liberty Street (#10 Vernon, southeast to Liberty St, then north to White Park), Chestnut Street and Valley Street (#4 North to 109 Liberty).
		\$50,000	2020 Subtotal
2021	Sewer G.O. Bonds	175,000	Lining approximately 1,400LF of main on Rumford Street, Sexton Ave., Vernon/Liberty Street (#10 Vernon, southeast to Liberty St, then north to White Park), Chestnut Street and Valley Street (#4 North to 109 Liberty).
	Sewer Capital Transfer	30,000	Interceptor access road maintenance south of Second Street. Approximately 750LF of brush and tree clearing, reclaim, rip rap, loam and seed.
		\$205,000	2021 Subtotal
2022	Sewer Capital Transfer	30,000	Interceptor access road maintenance south of Second Street. Approximately 750LF of brush and tree clearing, reclaim, rip rap, loam and seed.
	Sewer Capital Transfer	20,000	Design Granite, North State, Martin, Prospect and Jennings.
		\$50,000	2022 Subtotal
2023	Sewer G.O. Bonds	225,000	Line 2,300LF of 8, 10 and 12 inch main on Granite, North State, Martin, Prospect and Jennings.
		\$225,000	2023 Subtotal
2024	Sewer G.O. Bonds	400,000	Upgrade 1,500 feet of 15" sewer main on Manchester Street in the vicinity of Old Turnpike Road to accommodate Garvins Falls development and New Hampshire Department of Environmental Services sewer capacity requirements.
		\$400,000	2024 Subtotal
TOTAL		\$2,233,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #97-Low Avenue Improvements

I. PROJECT TYPE: Downtown

II. LOCATION: Low Avenue, Phenix Avenue, and Dubois Avenue

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Economic Development

DESCRIPTION: The purpose of this project is to design and construct streetscape improvements proposed for Low Avenue as originally proposed in the 1997 Downtown Master Plan. In 2005 the City completed the Opportunity Corridor Master Plan which further refined this concept. In 2006, with financial support from the City and Concord 20/20, Main Street Concord updated Downtown Streetscape and Signage Improvements Program which also examined improvements for Low and Phenix Avenues.

Limited improvements to Phenix Avenue might be constructed as part of CIP 460 "Downtown Complete Streets Project" during FY2014-2015. However, improvements to Low and Dubois Avenue will likely not occur until such time as redevelopment of the Phenix Theatre, the CVS Pharmacy building, or other surrounding properties moves forward.

SERVICE IMPACT: Improved usability and appearance of, as well as community satisfaction with these public ways, and potential for redevelopment of adjacent private properties resulting in tax base expansion.

IMPACT IF NOT FUNDED: An opportunity for tax base expansion and the enhancement of downtown business activity would not be exploited.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	Tax Increment Financing	0	0	0	0	0	0	350,000	3,000,000	0	0	3,350,000
	Total	0	0	0	0	0	0	350,000	3,000,000	0	0	3,350,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #97-Low Avenue Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2021	Other Tax Increment Financing	350,000	Conceptual and final design, as well as legal services to determine layout of Low Avenue and other affected streets. The final design will link Eagle Square to Depot Street and Kennedy Lane. Designs will be based on concepts included within 1997 Downtown Master Plan, 2006 Opportunity Corridor Master Plan, 2006 Main Street Concord Downtown Streetscape Plan, and 2013 Downtown Complete Street Project Design. Project anticipates expansion of the Sears Block TIF District in order to use new incremental tax revenues associated with redevelopment of Phenix Theatre, the CVS Building, and surrounding properties.
		\$350,000	2021 Subtotal
2022	Other Tax Increment Financing	3,000,000	Construct improvements to Low, Phenix, and Dubois Avenues. Project anticipates burying aerial utilities and acquisition of private property rights within Low Avenue.
		\$3,000,000	2022 Subtotal
	TOTAL	\$3,350,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #104-Hall Street Waste Water Treatment Plant Improvements

I. PROJECT TYPE: Sewer Treatment

II. LOCATION: 125 Hall Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New M Safety H Facility Cond. N/A Productivity
 Replace L Mandates M Service Def. N/A Tax Base Exp. M City Master Pl.
 Rebuild L O + M Costs N/A Council Goals H Timeliness Sewer
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to implement a variety of improvements as recommended in the 2002 Comprehensive Facility Evaluation prepared by Woodard an Curran. Projects address code and safety issues, as well as immediate and long-term capital needs.

SERVICE IMPACT: Provides planned upgrade and renovation of existing infrastructure to provide short-term and long-term reliability, meet code and regulation modifications established since the plant was built, and improve overall efficiency.

IMPACT IF NOT FUNDED: Potential for increased O&M costs over time; potential for costly emergency repairs or replacements as outdated components fail; potential for citations or fines for failure to meet life safety or building codes.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

15

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Sewer	G.O. Bonds	515,000	3,845,000	1,600,000	1,720,000	1,040,000	1,880,000	2,240,000	2,020,000	1,175,000	1,500,000	17,535,000
Sewer	Capital Transfer	10,000	0	0	0	0	0	0	0	15,000	0	25,000
	Total	525,000	3,845,000	1,600,000	1,720,000	1,040,000	1,880,000	2,240,000	2,020,000	1,190,000	1,500,000	17,560,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #104-Hall Street Waste Water Treatment Plant Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Sewer G.O. Bonds	200,000	Building systems improvements - design engineering services for electrical distribution system upgrade and replacement of intermediate standby generator.
	Sewer G.O. Bonds	165,000	Equipment/process improvements - design engineering services for equipment upgrades to include replacement of one influent screw pump, 3 intermediate lift pumps, 3 belt filter press feed pumps, and 3 RAS control valves and flow meters.
	Sewer G.O. Bonds	100,000	Equipment/process improvements - sludge management/technology study to evaluate existing sludge processing system, review sludge treatment & management alternatives, and determine appropriate near term and long term management plans.
	Sewer G.O. Bonds	25,000	Equipment/process improvements - replacement of aeration tank diffusers in both aeration tanks.
	Sewer G.O. Bonds	25,000	Building/structural improvements - structural concrete testing at bio tower and chlorine contact tank to determine extent of identified concrete deterioration and identify necessary repairs to prevent structural failure or continued deterioration.
	Sewer Capital Transfer	10,000	Equipment/process improvements - equipment manufacturer's condition assessment of existing RDP sludge stabilization equipment to determine necessary upgrades/repairs to extend useful service life.
			\$525,000
2016	Sewer G.O. Bonds	1,550,000	Building systems improvements - construction of electrical distribution system improvements designed in FY15.
	Sewer G.O. Bonds	945,000	Equipment/process improvements - construction of equipment/process upgrades designed in FY15.
	Sewer G.O. Bonds	850,000	Building/structural improvements - necessary structural concrete repairs at bio tower, chlorine contact tank, aeration tanks, and administration building.
	Sewer G.O. Bonds	300,000	Equipment/process improvements - design engineering allowance for anticipated upgrade/refurbishment of RDP sludge stabilization process equipment.
	Sewer G.O. Bonds	125,000	Equipment/process improvements - upgrade SCADA system software to coincide with IT planned replacement of SCADA hardware.
	Sewer G.O. Bonds	75,000	Building systems improvements - boiler flue exhaust piping modifications and combustion air system upgrade.
		\$3,845,000	2016 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:		GS-SEWER	#104-Hall Street Waste Water Treatment Plant Improvements	
2017	Sewer G.O. Bonds	1,200,000	Equipment/process improvements - construction of RDP sludge stabilization system upgrade designed in FY16.	
	Sewer G.O. Bonds	210,000	Building systems improvements - replacement of influent building standby generator set.	
	Sewer G.O. Bonds	150,000	Equipment/process improvements - design engineering of trucked liquid waste receiving facility.	
	Sewer G.O. Bonds	40,000	Building systems improvements - upgrade service elevator controls.	
		\$1,600,000	2017 Subtotal	
2018	Sewer G.O. Bonds	700,000	Equipment/process improvements - construction administration and construction of trucked liquid waste receiving facility designed in FY17.	
	Sewer G.O. Bonds	440,000	Building systems improvements - HVAC system upgrade in sludge process area, truck bays, maintenance shop, electrical shop, secondary pump station and tunnel. Project includes code required separation of tunnel and sludge pump rooms.	
	Sewer G.O. Bonds	300,000	Building/structural improvements - refurbishment of first of two sludge holding tanks. Project entails repair of deteriorating concrete and recoating of interior concrete surfaces.	
	Sewer G.O. Bonds	210,000	Building systems improvements - replacement of administration building standby generator set.	
	Sewer G.O. Bonds	70,000	Equipment/process improvements - replacement of two sodium hypochlorite storage tanks and sodium hypochlorite flash mixer.	
		\$1,720,000	2018 Subtotal	
2019	Sewer G.O. Bonds	310,000	Building/structural improvements - refurbishment of second of two sludge holding tanks. Project entails repair of deteriorating concrete and recoating of interior concrete surfaces.	
	Sewer G.O. Bonds	205,000	Building systems improvements - replacement of intermediate pump station MCC's.	
	Sewer G.O. Bonds	200,000	Site/security improvements - installation of 6000 LF of 8' chain link security fencing around entire process area. Includes allowance for necessary tree and brush removal.	
	Sewer G.O. Bonds	150,000	Building systems improvements - influent building HVAC upgrades.	
	Sewer G.O. Bonds	100,000	Building/structural improvements - replacement of roof on Admin GBT room with EDPM membrane roof system.	
	Sewer G.O. Bonds	75,000	Site/security improvements - allowance for necessary pavement repairs.	
		\$1,040,000	2019 Subtotal	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:		GS-SEWER	#104-Hall Street Waste Water Treatment Plant Improvements	
2020	Sewer	G.O. Bonds	1,500,000	Equipment/process improvements - replacement of 2 of 3 secondary clarifier drive mechanisms.
	Sewer	G.O. Bonds	205,000	Building systems improvements - replacement of influent building MCC's.
	Sewer	G.O. Bonds	175,000	Building systems improvements - intermediate building and chlorine building HVAC upgrades.
			\$1,880,000	2020 Subtotal
2021	Sewer	G.O. Bonds	800,000	Equipment/process improvements - replacement of last of 3 original secondary clarifier drive mechanisms.
	Sewer	G.O. Bonds	300,000	Building systems improvements - administration building offices and lab HVAC upgrades.
	Sewer	G.O. Bonds	300,000	Building/structural improvements - renovation of administration area to include flooring, ceilings, partitions, doors & frames, cabinets, and plumbing fixtures. Also provides for improvements to meet accessibility code requirements.
	Sewer	G.O. Bonds	250,000	Equipment/process improvements - sludge truck loading conveyor upgrade.
	Sewer	G.O. Bonds	235,000	Building systems improvements - replacement of secondary building and chlorine building MCC's.
	Sewer	G.O. Bonds	150,000	Equipment/process improvements - aeration blower repair/replacement.
	Sewer	G.O. Bonds	130,000	Equipment/process improvements - sludge dewatering polymer batch system upgrade.
	Sewer	G.O. Bonds	75,000	Equipment/process improvements - grit tank and sludge holding tank blower replacement.
			\$2,240,000	2021 Subtotal
2022	Sewer	G.O. Bonds	635,000	Building systems improvements - replacement of 35KV switchgear and 3 pad mounted transformers.
	Sewer	G.O. Bonds	525,000	Equipment/process improvements - replacement of 3rd of three original equipment screw pumps.
	Sewer	G.O. Bonds	255,000	Building systems improvements - replacement of administration building MCC's.
	Sewer	G.O. Bonds	250,000	Equipment/process improvements - sludge holding tank mixing system upgrade.
	Sewer	G.O. Bonds	210,000	Equipment/process improvements - replacement of aeration tank isolation gates.
	Sewer	G.O. Bonds	95,000	Equipment/process improvements - replacement of waste activated sludge pumps and drives.
	Sewer	G.O. Bonds	50,000	Equipment/process improvements - replacement of scum processing equipment.
			\$2,020,000	2022 Subtotal
2023	Sewer	G.O. Bonds	500,000	Building/structural improvements - allowance for necessary concrete/structural repairs.
	Sewer	G.O. Bonds	135,000	Equipment/process improvements - replacement of secondary clarifier drain valves and inlet gates.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#104-Hall Street Waste Water Treatment Plant Improvements		
	Sewer G.O. Bonds		135,000	Equipment/process improvements - replacement of primary clarifier isolation gates.
	Sewer G.O. Bonds		130,000	Equipment/process improvements - replacement of primary sludge grinders, primary scum pump and clarifier drain valves.
	Sewer G.O. Bonds		105,000	Building systems improvements - lighting systems upgrades at headworks, intermediate, secondary, chlorine, and sludge processing areas.
	Sewer G.O. Bonds		95,000	Equipment/process improvements - lime storage/transfer system upgrade.
	Sewer G.O. Bonds		60,000	Building/structural improvements - replacement of 5 garage bay insulated rolling doors.
	Sewer G.O. Bonds		15,000	Equipment/process improvements - replacement of influent flow box mixer.
	Sewer Capital Transfer		15,000	Equipment/process improvements - replacement of 4wd mower.
			\$1,190,000	2023 Subtotal
2024	Sewer G.O. Bonds		1,500,000	Equipment/process improvements - design engineering of sludge stabilization and dewatering system upgrade.
			\$1,500,000	2024 Subtotal
			\$17,560,000	
	TOTAL			

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #107-Golf Course Club House and Maintenance Buildings

I. PROJECT TYPE: Golf

II. LOCATION: Beaver Meadow Golf Course

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:

<input type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	<input type="checkbox"/> Parks
<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Various facility improvements to Beaver Meadow Clubhouse and associated accessory buildings, including upgrades and continued improvements to the Pro Shop, Clubhouse, Maintenance Facility, Cart Storage Building and Irrigation Pump House. Funding is contingent upon sufficient net operating revenues within the Golf Enterprise Fund to support capital investments.

SERVICE IMPACT: Routine investment in the golf course will preserve and improve the quality of the course thereby maintaining customer satisfaction and market share.

IMPACT IF NOT FUNDED: Without routine investments, the facility will deteriorate causing loss of market share and requiring more expensive repairs and renovations in the future.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Golf	G.O. Bonds	20,000	0	10,000	0	0	0	0	0	0	0	30,000
Golf	Capital Transfer	0	0	0	0	0	0	50,000	0	0	0	50,000
	Total	20,000	0	10,000	0	0	0	50,000	0	0	0	80,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #107-Golf Course Club House and Maintenance Buildings

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Golf G.O. Bonds	20,000	Add an additional HVAC zone to accommodate Pro shop area
		\$20,000	2015 Subtotal
2017	Golf G.O. Bonds	10,000	New windows in Pro Shop
		\$10,000	2017 Subtotal
2021	Golf Capital Transfer	20,000	Replace Kitchen equipment
	Golf Capital Transfer	15,000	Replace clubhouse furniture
	Golf Capital Transfer	15,000	Carpet and floor treatment replacements throughout the clubhouse
		\$50,000	2021 Subtotal
	TOTAL	\$80,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #114-Penacook Lake Dam and Spillway Rehabilitation

I. PROJECT TYPE: Water Treatment

II. LOCATION: 53 Hutchins St.

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs

Facility Cond. Service Def. Council Goals

Productivity Tax Base Exp. Timeliness

City Master Pl. Water

DESCRIPTION: An engineering study has preliminarily identified deficiencies in the dam and spillway configuration and some age related deterioration of the structure. A more refined construction cost estimate will be available once final design is completed.

SERVICE IMPACT: The dam provides retention for the main source of water for the City. Either physical or regulatory restriction on the dam would effect water service.

IMPACT IF NOT FUNDED: Age deterioration of dam will continue. Strengthened mandates for design and capacity may require construction or reduced operating capacity. The City could be at risk of legal action for operating and unsafe facility or, at worst, liability from a dam breach or spillway failure.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 50

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	G.O. Bonds	0	0	0	0	0	175,000	0	0	2,000,000	0	2,175,000
	Total	0	0	0	0	0	175,000	0	0	2,000,000	0	2,175,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: GS-WATER #114-Penacook Lake Dam and Spillway Rehabilitation

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2020	Water G.O. Bonds	175,000	Engineering forensic investigation, report and design of the Penacook Lake dam and spillway.
		<u>\$175,000</u>	2020 Subtotal
2023	Water G.O. Bonds	2,000,000	Rehabilitation/replacement of dam and spillway. Initial estimate only. Engineering design will determine extent and cost of construction.
		<u>\$2,000,000</u>	2023 Subtotal
	TOTAL	<u>\$2,175,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-HIGHWAY / UTILITIES #121-Vehicle & Equipment Replacement Program

I. PROJECT TYPE: GSD Vehicles

II. LOCATION: City-wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED New M Safety N/A Facility Cond. L Productivity
 SERVED: Replace L Mandates M Service Def. N/A Tax Base Exp. H City Master Pl.
 Rebuild N/A O + M Costs L Council Goals M Timeliness Motor Vehicle Equipment
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: This project establishes a long-range replacement plan for City Highway/Utilities, Water Treatment Plant, Waste Water Treatment Plants, as well as Parks and Recreation vehicles and heavy equipment. Vehicle and equipment replacement for the Police and Fire Departments are addressed through other CIP projects or the operating budget. Phased replacement of vehicles and equipment will minimize potential service interruptions due to break downs / failures and provides for cost savings through economies of scale which are made possible from multiple vehicle procurement where applicable. Restructuring of the fleet to a more efficient blend of vehicles will coincide with vehicle replacement.

SERVICE IMPACT: Establishes long range replacement plan that improves service with more reliable vehicles, lower costs due to multi-vehicle procurements and maintenance support. Supports appropriate reassignment of some serviceable vehicles to less critical tasks instead of replacement.

IMPACT IF NOT FUNDED: Fix when fail replacement program with high procurement and maintenance costs.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	G.O. Bonds	0	0	88,000	70,000	170,000	70,000	175,000	250,000	0	100,000	923,000
General	Capital Close-out	4,794	0	0	0	0	0	0	0	0	0	4,794
Sewer	G.O. Bonds	0	0	128,000	100,000	380,000	170,000	175,000	150,000	435,000	0	1,538,000
General	G.O. Bonds	615,000	670,000	700,000	800,000	900,000	1,019,000	1,034,000	1,100,000	1,200,000	1,425,000	9,463,000
	Total	619,794	670,000	916,000	970,000	1,450,000	1,259,000	1,384,000	1,500,000	1,635,000	1,525,000	11,928,794

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-HIGHWAY / UTILITIES #121-Vehicle & Equipment Replacement Program

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	300,000	Replace 2 sidewalk tractors; unit #1356 & 1358
	General G.O. Bonds	270,000	Replace highway grader. (2002) Unit #008
	General G.O. Bonds	45,000	Replace one, 1-ton 4X4 pick-up truck w/plow. 177
	General Capital Close-out	4,794	Pickup Truck: Closeout Share
		\$619,794	2015 Subtotal
2016	General G.O. Bonds	150,000	Replace one (1) six wheel dump truck unit # 056
	General G.O. Bonds	150,000	Replace 6 wheel dump truck (highways) unit #425
	General G.O. Bonds	150,000	Replace 6 wheel dump truck units #057
	General G.O. Bonds	80,000	Replace 4x4 pick-up truck with dump body (2006) unit #1106
	General G.O. Bonds	60,000	Replace two king cab pick up trucks, CD Dept./Engineering. 455, 456
	General G.O. Bonds	56,000	Replace 4x4 1-ton dual wheel F350 (2003) unit 038
	General G.O. Bonds	15,000	Replace 1 stainless steel 5cy sander (1998) unit #0045SS
	General G.O. Bonds	9,000	Replace 3.4cy stainless steel spreader for one ton (2002) 1106SS
		\$670,000	2016 Subtotal
2017	General G.O. Bonds	280,000	Replace 1 street sweeper (2002) unit #014
	General G.O. Bonds	160,000	Replace 6 wheel dump truck units #058
	General G.O. Bonds	76,000	Replace 2 - F250 4x4 pick-up trucks (2006, 2006) units 654, 655
	General G.O. Bonds	64,000	Replace F350 4x4 with tool body and lift gate (2004) unit #088
	Sewer G.O. Bonds	62,000	Replace 1 4x2 F350 crew cab (2006) unit #703
	General G.O. Bonds	50,000	Replace 2WD 1-ton pick-up truck with 1-ton 4WD unit with plow (2001). F350 crew cab unit #200 (Parks / Cemeteries)
	Water G.O. Bonds	50,000	Replace vacuum excavator (2002) unit #134
	Sewer G.O. Bonds	38,000	Replace 4x4 pick-up unit #702 F250

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#121-Vehicle & Equipment Replacement Program
	Water G.O. Bonds	38,000 Replace 1 water utility 4X4 pick-up truck (2006) unit #821
	General G.O. Bonds	30,000 Replace 2 stainless steel 5cy sanders (2002, 2002) units 0056SS, 0058SS
	Sewer G.O. Bonds	28,000 One 5 door hatchback sedan (2009) unit #876
	General G.O. Bonds	20,000 Replace tilt top trailer (1966) unit #065
	General G.O. Bonds	20,000 Replace landscape trailer (1995) unit #184
		\$916,000 2017 Subtotal
2018	General G.O. Bonds	120,000 Replace 1988 snow blower. Unit #001 HWY
	General G.O. Bonds	100,000 Replace gang mower 164 unit #670
	General G.O. Bonds	95,000 Replace 1 shop fork truck (1997) unit #149
	General G.O. Bonds	80,000 Replace 2 leaf blowers and boxes (1999,1998). 049, 050 HWY
	Sewer G.O. Bonds	62,000 Replace one ton crew cab "brick" truck (2004) 135
	General G.O. Bonds	62,000 Replace airport/properties 1-ton pick-up truck with dump body. (2005) 901
	General G.O. Bonds	60,000 Replace skid steer tractor with accessories (2002) unit #098
	General G.O. Bonds	58,000 Replace cemetery F450 pick-up with dump body (2006) unit #601
	General G.O. Bonds	55,000 Replace out front mower. Grounds/COMF 665
	General G.O. Bonds	40,000 Replace Tarco Leaf Loader Unit #197 Hwy/COMF
	General G.O. Bonds	40,000 Replace leaf loader (2000) CEM unit #190
	Water G.O. Bonds	38,000 Replace 1 c1500 4x2 pick-up truck (2006) unit #871
	Sewer G.O. Bonds	38,000 Replace 1 4x4 pick-up with supercar body (2008) unit #751
	Water G.O. Bonds	32,000 Replace 1 4x4 pick-up truck with extended cab (2008) unit #872
	General G.O. Bonds	25,000 Replace 1 5-ton tandem trailer (2000) unit #064
	General G.O. Bonds	20,000 Replace 1 low bed tilt top trailer (2004) unit #185
	General G.O. Bonds	20,000 Replace 1 sweeper trailer (2003) unit #188
	General G.O. Bonds	15,000 Replace 1- 20' trailer (2002) unit #189
	General G.O. Bonds	10,000 Replace stainless steel 1.5cy sander (2000) unit #0601SS
		\$970,000 2018 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#121-Vehicle & Equipment Replacement Program
2019	General G.O. Bonds	269,000 Replace wheel loader #90
	General G.O. Bonds	260,000 Replace 4- F450 4x4 pick-up trucks (2009,2009,2009,2009) 1103,1104,1105, 669
	Sewer G.O. Bonds	250,000 Replace truck sludge hauler (2001) unit #112
	General G.O. Bonds	150,000 Replace Cemetery back-hoe. (2004) 616
	Sewer G.O. Bonds	90,000 Replace 4wd utility tractor unit # 752 WWHALL
	Water G.O. Bonds	70,000 Replace 2 pick-up trucks with supercar bodies (2010, 2010 units #802 & 803
	Water G.O. Bonds	45,000 Replace 4x2 super cab F150 #801
	General G.O. Bonds	40,000 Replace 1 3/4-ton crew cab pick-up truck (2008) unit #653
	Water G.O. Bonds	40,000 Replace tow behind compressor (2001) 409
	Sewer G.O. Bonds	40,000 Replace 1 tow behind compressor (1993) unit #422
	General G.O. Bonds	40,000 Replace tow behind air compressor (2001) 407
	General G.O. Bonds	38,000 Replace 1 K2500 3/4-ton 4x4 pick-up truck (2006) unit #651
	General G.O. Bonds	38,000 Replace 3/4-ton 4x4 pick up and plow (2006) 1101
	General G.O. Bonds	35,000 Replace 1 4-ton asphalt hauler (1999) unit #066
	General G.O. Bonds	30,000 Replace 5-ton roller (1991) 072
	Water G.O. Bonds	15,000 Replace 1 spreader 1.5cy (2004) unit #0875SS
		\$1,450,000 2019 Subtotal
2020	General G.O. Bonds	450,000 Replace 3 highway backhoes (2006, 2007) unit #086, 1342 & 1343,
	General G.O. Bonds	195,000 Replace 1 tree bucket truck (2008) unit #667
	General G.O. Bonds	170,000 Replace 1 six wheel dump (2006) unit #1224
	Sewer G.O. Bonds	170,000 Replace 6 wheel dump truck unit #753 S UTIL/COM
	Water G.O. Bonds	70,000 Replace 1 F550 2wd pick-up truck (2008) unit #822
	General G.O. Bonds	50,000 Replace 1 2wd 3500 series pick-up truck (2008) unit #902
	General G.O. Bonds	50,000 Replace vibratory roller (2001) unit #071
	General G.O. Bonds	38,000 Replace 1 4x4 2500 series pick-up truck (2008) unit #903
	General G.O. Bonds	33,000 Replace 4X2 1 supercab pick-up truck (2010) unit #458
	General G.O. Bonds	33,000 Replace 1 1/2-ton supercar pick-up truck (2008) unit #904

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#121-Vehicle & Equipment Replacement Program	
		\$1,259,000	2020 Subtotal
2021	General G.O. Bonds	350,000	Replace two 6-wheel dump trucks units #1225 & 1227
	General G.O. Bonds	350,000	Replace two 6-wheel dump trucks (2008, 2008) units 1228,1229
	General G.O. Bonds	205,000	Replace one 10-wheel dump truck (2009) unit 1230
	Sewer G.O. Bonds	175,000	Replace one 6-wheel dump truck (2008) unit 704
	Water G.O. Bonds	175,000	Replace 1 six wheel dump truck "D79" (2006) unit 1226
	General G.O. Bonds	58,000	Replace 1 4x4 1-ton pick-up truck (2008) unit #656
	General G.O. Bonds	55,000	Replace one (1) skid steer unit #1360
	General G.O. Bonds	16,000	Replace 1 stainless 6cy sander (2008) unit 704SS
		\$1,384,000	2021 Subtotal
2022	General G.O. Bonds	275,000	Replace 1 front end bucket loader (2001) unit #025
	Water G.O. Bonds	150,000	Replace Case loader/backhoe #823
	Sewer G.O. Bonds	150,000	Replace Case Loader/Backhoe #723
	General G.O. Bonds	120,000	Snow blower unit #004
	General G.O. Bonds	115,000	Snow blower unit #1375
	General G.O. Bonds	96,000	Replace two (2) skid steer units # 1361 & 1362
	General G.O. Bonds	95,000	Service truck unit #009
	General G.O. Bonds	64,000	Stump grinder unit #666
	General G.O. Bonds	60,000	Chipper unit #668
	General G.O. Bonds	55,000	Slide in hot box unit #1404
	Water G.O. Bonds	50,000	Replace Transit Connect CNG van #804
	Water G.O. Bonds	50,000	Replace Transit Connect GNG van #754
	General G.O. Bonds	40,000	Tow behind sweeper unit #1390
	General G.O. Bonds	40,000	Atlantic trailer unit #1403
	General G.O. Bonds	40,000	Leaf loader unit #1378
	General G.O. Bonds	40,000	Replace trailer #1401

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#121-Vehicle & Equipment Replacement Program	
	General G.O. Bonds	40,000	Cargo van unit #602
	General G.O. Bonds	20,000	Replace 11 cy sander #1230SS
		\$1,500,000	2022 Subtotal
2023	General G.O. Bonds	720,000	Replace four (4) 6 wheel dump trucks units # 1231,1232,1233,1234
	Sewer G.O. Bonds	435,000	Replace 10 wheeler vector #711
	General G.O. Bonds	370,000	Replace two (2) Trackless Sidewalk Tractors HWY/COMF Units #1365,1366
	General G.O. Bonds	50,000	Replace 20 ton low bed trailer (1989) unit #082
	General G.O. Bonds	29,000	Replace saltmarsh trailer unit #115 (GSD/Public Properties)
	General G.O. Bonds	25,000	Tandem trailer unit #061
	General G.O. Bonds	6,000	Utility trailer unit #1402
		\$1,635,000	2023 Subtotal
2024	General G.O. Bonds	285,000	Replace wheel loader unit #1301
	General G.O. Bonds	225,000	Replace front end bucket loader (1993) unit # 015 HWY
	General G.O. Bonds	120,000	Replace 2 Crew Cab rack body F350 #1107 & #1108
	General G.O. Bonds	120,000	Band wagon unit #180
	General G.O. Bonds	100,000	Replace John Deere Mower #673
	General G.O. Bonds	100,000	Replace 4x4 pickup/dump F550 #1109
	General G.O. Bonds	96,000	Replace F550 carpenter van #905
	Water G.O. Bonds	60,000	Replace Crew Cab utility body F350 #825
	General G.O. Bonds	50,000	Replace 3/4 ton cargos van #459
	General G.O. Bonds	40,000	Replace sign board & trailer unit #447 CD/COMF
	General G.O. Bonds	40,000	Replace sign board & trailer unit #446 HWY/COMF
	General G.O. Bonds	40,000	Replace sign board & trailer unit #444 HWY/COMF
	General G.O. Bonds	40,000	Replace sign board & trailer unit #445 CD/COMF
	Water G.O. Bonds	40,000	Replace Extra Cab pickup #824
	General G.O. Bonds	40,000	Replace sign board & trailer unit #449 CD/COMF

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#121-Vehicle & Equipment Replacement Program	
	General G.O. Bonds	40,000	Replace sign board & trailer unit #450 CD/COMF
	General G.O. Bonds	30,000	Replace 2 (two) 6 cy sanders #1231SS & 1232SS
	General G.O. Bonds	20,000	Replace 11 cy sander #054SS
	General G.O. Bonds	15,000	Replace 6 ton utility trailer GRNDS/COMF unit #652
	General G.O. Bonds	12,000	Replace 3.4 cy SS sander #901SS
	General G.O. Bonds	12,000	Replace 3.4 CY sander #1109SS
		\$1,525,000	2024 Subtotal
	TOTAL	\$11,928,794	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #124-Water System SCADA Improvements

I. PROJECT TYPE: Water Distribution System

II. LOCATION: 53 Hutchins St. and pump stations

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity
	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis			

DESCRIPTION: The SCADA (Supervisory, Control and Data Acquisition) system will provide for more efficient collection of operations information from the Water Plant and all remote pumping stations and tanks. It will provide monitoring capability and eventually the control of equipment based upon information that is transmitted a central control station. All information is stored on a database to provide easy retrieval.

SERVICE IMPACT: Increase efficiency of operations by being able to monitor and control all facilities from a central station. The system allows for collection of historical data, which can be analyzed to improve operations and react knowledgably to changing conditions. This also has a potential to reduce operating costs.

IMPACT IF NOT FUNDED: Continuation of current system with only partial and uncoordinated implementation. Reliance on manual operations and manual input of all information will continue. The existing data collection system is proprietary and will not convert to an industry standard SCADA system.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

15

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	Capital Transfer	0	25,000	0	0	25,000	0	0	25,000	0	0	75,000
	Total	0	25,000	0	0	25,000	0	0	25,000	0	0	75,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #124-Water System SCADA Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	Water Capital Transfer	25,000	SCADA equipment and software needs assessment update. Project shall review existing conditions and make recommendations for future growth.
		\$25,000	2016 Subtotal
2019	Water Capital Transfer	25,000	SCADA equipment and software updates.
		\$25,000	2019 Subtotal
2022	Water Capital Transfer	25,000	SCADA equipment and software updates.
		\$25,000	2022 Subtotal
	TOTAL	\$75,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FINANCE PURCHASING #130-Multi-Function Photocopy Machines

I. PROJECT TYPE: Information Technology & Communications

II. LOCATION: City Hall, City Hall Annex, COMF, Water Treatment Plant, Parks & Recreation, Library, Police Department and Prosecutor's Office.

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness MIS
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Programmed replacement of first, second, and third floor production photocopiers in City Hall and the COMF and department specific copiers for the Assessing, Community Development, Finance, General Services, Legal, Library, Parks & Recreation and Police Departments. Networkable multi-function units for photocopying, printing from the desktop and scanning to the desktop. Replacement of black & white units with color multi-function units and eliminating color desktop printers as resources allow. Staff are encouraged to print from these networked multi-function units as the cost per page is substantially less than printing from a stand alone LaserJet printer.

SERVICE IMPACT: Loss in productivity as older technology multi-function units continue to require repeated service calls during the end of their projected life cycle of 5 - 7 years. Service becomes more expensive after 5 years and repair parts are not readily available.

IMPACT IF NOT FUNDED: Increased costs for maintenance and printing. Less functionality and decreased productivity.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2014 PREVIOUS AMOUNT: 28,500

V. PROJECT USEFUL LIFE (In Years): 6 Expected Bond Term (in Years) 6

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	9,100	24,800	23,000	21,000	33,000	20,000	15,000	24,000	39,000	35,000	243,900
	Total	9,100	24,800	23,000	21,000	33,000	20,000	15,000	24,000	39,000	35,000	243,900

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FINANCE PURCHASING #130-Multi-Function Photocopy Machines

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Transfer	9,100	Replace networked multi-functional copier/printer/scanner for the following City department (location): Finance, Collections (City Hall) and Finance, OMB (City Hall).
		\$9,100	2015 Subtotal
2016	General Capital Transfer	24,800	Replace networked multi-functional copiers/printers/scanners for the following City departments (locations): General Services, Equipment Services (COMF); General Services, Water Supply (Water Treatment Plant), Multiple departments (2nd floor City Hall), Library, Admin (2nd floor Library).
		\$24,800	2016 Subtotal
2017	General Capital Transfer	23,000	Replace networked multi-functional copiers/printers/scanners for the following City departments (locations): Finance, Purchasing (COMF), Legal (Prosecutor's Office).
		\$23,000	2017 Subtotal
2018	General Capital Transfer	21,000	Replace networked multifunctional copier/printer/scanner for the following City departments (locations): Assessing (City Hall), Multiple departments (3rd floor of City Hall).
		\$21,000	2018 Subtotal
2019	General Capital Transfer	33,000	Replace networked multi-functional copiers/printers/scanners for the following City departments (locations): General Services Admin (COMF); Community Development Code Enforcement (City Hall Annex); Parks & Recreation (Heights Community Center) and Police, Records (CPD Headquarters).
		\$33,000	2019 Subtotal
2020	General Capital Transfer	20,000	Replace networked multi-functional copier/printer/scanner for the following City department (location): Finance, Collections (City Hall), Finance, OMB (City Hall), Finance, Accounting (City Hall)
		\$20,000	2020 Subtotal
2021	General Capital Transfer	15,000	Replace networked multi-functional copier/printer/scanner for the following City department (location): Multiple departments (2nd floor City Hall)
		\$15,000	2021 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	FINANCE PURCHASING	#130-Multi-Function Photocopy Machines		
2022	General Capital Transfer	24,000		Replace networked multi-functional copiers/printers/scanners for the following City departments (locations): Finance, Purchasing (COMF), Legal (Prosecutor's Office).
		\$24,000	2022 Subtotal	
2023	General Capital Transfer	39,000		Replace networked multi-functional copiers/printers/scanners for the following City departments (locations): Assessing (City Hall), General Services, Equipment Services (COMF); General Services, Water Supply (Water Treatment Plant), Multiple departments (3rd floor City Hall), Library, Admin (2nd floor Library).
		\$39,000	2023 Subtotal	
2024	General Capital Transfer	35,000		Replace networked multi-functional copiers/printers/scanners for the following City departments (locations): General Services Admin (COMF); Community Development Code Enforcement (City Hall Annex); Parks & Recreation (Heights Community Center) and Police, Records (CPD Headquarters).
		\$35,000	2024 Subtotal	
	TOTAL	\$243,900		

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #230-Opticom Replacement

I. PROJECT TYPE: Public Safety

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="H"/> Safety	<input type="checkbox" value="N/A"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="L"/> Mandates	<input type="checkbox" value="H"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="N/A"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox" value="N/A"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="H"/> Timeliness	
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: This project provides funding for systematic replacement of "Opticom" units throughout the City. Opticom units allow for emergency vehicles to control traffic signals when responding to emergencies.

SERVICE IMPACT: Routine replacement of units allows for safe and efficient responses to emergency calls by City EMS.

IMPACT IF NOT FUNDED: Opticom traffic control equipment could fail resulting in motorist confusion and increasing accident potential.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Highway Reserve	0	12,500	0	12,500	0	12,500	0	12,500	0	12,500	62,500
	Total	0	12,500	0	12,500	0	12,500	0	12,500	0	12,500	62,500

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #230-Opticom Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Highway Reserve	12,500	Opticom replacement (City Wide)
		<u>\$12,500</u>	2016 Subtotal
2018	General Highway Reserve	12,500	Opticom replacement (City Wide)
		<u>\$12,500</u>	2018 Subtotal
2020	General Highway Reserve	12,500	Opticom replacement (City Wide)
		<u>\$12,500</u>	2020 Subtotal
2022	General Highway Reserve	12,500	Opticom Replacement (city wide)
		<u>\$12,500</u>	2022 Subtotal
2024	General Highway Reserve	12,500	Opticom Replacement (city wide)
		<u>\$12,500</u>	2024 Subtotal
	TOTAL	<u>\$62,500</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #235-Golf Course Grounds Improvements

I. PROJECT TYPE: Golf

II. LOCATION: Beaver Meadow Golf Course

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The purpose of this project it is make routine investments to preserve and improve the golf course. Improvements typically consist of greens rehabilitation (began in FY1999), tee renovations (1999 user survey item), resurfacing of golf cart paths, and irrigation improvements.

SERVICE IMPACT: Routine investments maintain the quality of the course and player satisfaction, thereby preserving market share and financial viability of the course.

IMPACT IF NOT FUNDED: Course conditions and player satisfaction will erode, resulting in loss of market share and potential threat to the long-term viability of the facility.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

15

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Golf	G.O. Bonds	60,000	160,000	120,000	50,000	250,000	100,000	100,000	0	0	0	840,000
Golf	Capital Transfer	20,000	0	0	0	0	60,000	0	0	0	0	80,000
General	Capital Close-out	70,000	0	0	0	0	0	0	0	0	0	70,000
	Total	150,000	160,000	120,000	50,000	250,000	160,000	100,000	0	0	0	990,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #235-Golf Course Grounds Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Close-out	70,000	Replacement of existing culverts at 12th green, 14th/16th green, and 15th tee box as required by State of NH permits for previously completed pond expansion project.
	Golf G.O. Bonds	30,000	Construct drainage improvements at the 2nd, 10th, & 16th Fairways.
	Golf G.O. Bonds	20,000	Repave cart paths from 1st green to 2nd ladies tee and 16th tee from start to 150 yard maker.
	Golf Capital Transfer	20,000	Crack seal parking lot.
	Golf G.O. Bonds	10,000	Expand to 4 sets of tee boxes. \$10,000 a year for next 4 years.
		\$150,000	2015 Subtotal
2016	Golf G.O. Bonds	150,000	Phase implementation of irrigation pump station and control system improvements recommended in the 2008 report.
	Golf G.O. Bonds	10,000	Expand Tee boxes.
		\$160,000	2016 Subtotal
2017	Golf G.O. Bonds	100,000	Rebuild the 9th green complex.
	Golf G.O. Bonds	10,000	Design of the 9th Green improvements.
	Golf G.O. Bonds	10,000	Expand Tee boxes.
		\$120,000	2017 Subtotal
2018	Golf G.O. Bonds	40,000	Improve awnings and design 3 season room.
	Golf G.O. Bonds	10,000	Expand Tee boxes
		\$50,000	2018 Subtotal
2019	Golf G.O. Bonds	150,000	Construct 3 season outdoor recreational pavilion.
	Golf G.O. Bonds	100,000	Parking Lot improvements. (Grind and repave).
		\$250,000	2019 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	REC-GROUNDS	#235-Golf Course Grounds Improvements	
2020	Golf G.O. Bonds	100,000	Reconstruct the 4th green.
	Golf Capital Transfer	50,000	Improvements to the irrigation piping system.
	Golf Capital Transfer	10,000	Design of improvements for the 4th Green.
		<u>\$160,000</u>	2020 Subtotal
2021	Golf G.O. Bonds	50,000	Improvements to the irrigation piping system.
	Golf G.O. Bonds	50,000	Reconstruction of cart paths.
		<u>\$100,000</u>	2021 Subtotal
	TOTAL	<u>\$990,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #244-Water Meter Replacement Program

I. PROJECT TYPE: Water Distribution System

II. LOCATION: City-wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Provides for the replacement of existing automatic meter reading devices and meters.

SERVICE IMPACT: The meters and reading devices provide the only means of accurately measuring a consumers use. The accuracy of these components is critical to insure fair and accurate billing for water and sewer customers.

IMPACT IF NOT FUNDED: Potential increase for inaccurate billing and loss of revenue for water and sewer funds.

IV. PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	Capital Transfer	180,000	185,000	165,000	160,000	125,000	100,000	100,000	125,000	125,000	125,000	1,390,000
	Total	180,000	185,000	165,000	160,000	125,000	100,000	100,000	125,000	125,000	125,000	1,390,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Water Capital Transfer	180,000	Phased installation of meters and reading devices. 800 units.
		<u>\$180,000</u>	2015 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-WATER	#244-Water Meter Replacement Program		
2016	Water	Capital Transfer	185,000	Phased installation of meters and reading devices. 800 units.
			\$185,000	2016 Subtotal
2017	Water	Capital Transfer	165,000	Phased installation of meters and reading devices. 600 units.
			\$165,000	2017 Subtotal
2018	Water	Capital Transfer	160,000	Phased installation of meters and reading devices. 500 units.
			\$160,000	2018 Subtotal
2019	Water	Capital Transfer	125,000	Phased installation of meters and reading devices. 500 units.
			\$125,000	2019 Subtotal
2020	Water	Capital Transfer	100,000	Phased installation of meters and reading devices. 500 units.
			\$100,000	2020 Subtotal
2021	Water	Capital Transfer	100,000	Phased installation of meters and reading devices. 600 units.
			\$100,000	2021 Subtotal
2022	Water	Capital Transfer	125,000	Phased installation of meters and reading devices. 800 units.
			\$125,000	2022 Subtotal
2023	Water	Capital Transfer	125,000	Phased installation of meters and reading devices. 600 units.
			\$125,000	2023 Subtotal
2024	Water	Capital Transfer	125,000	Phased installation of meters and reading devices. 600 units.
			\$125,000	2024 Subtotal
	TOTAL		\$1,390,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #245-Emergency Sewage Treatment Plant Repairs

I. PROJECT TYPE: Sewer Treatment

II. LOCATION: Wastewater Treatment Facilities

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New M Safety H Facility Cond. N/A Productivity
 Replace L Mandates L Service Def. Tax Base Exp. City Master Pl.
 Rebuild H O + M Costs Council Goals H Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Provides for unanticipated capital expenditures at the Hall Street and Penacook Wastewater Treatment Plants and eight pumping stations.

SERVICE IMPACT: Allows for expedient major repair/replacement of necessary process equipment. Funding previously carried in operating budget.

IMPACT IF NOT FUNDED: Potential service interruptions, unsafe or hazardous working conditions for employees, increased costs to accommodate system or process deficiencies.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Sewer	Capital Outlay	53,000	54,500	56,000	58,000	59,500	61,500	63,500	65,500	67,500	70,000	609,000
	Total	53,000	54,500	56,000	58,000	59,500	61,500	63,500	65,500	67,500	70,000	609,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Sewer Capital Outlay	53,000	Emergency/unanticipated capital equipment replacement.
		<u>\$53,000</u>	2015 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#245-Emergency Sewage Treatment Plant Repairs		
2016	Sewer	Capital Outlay	54,500	Emergency/unanticipated capital equipment replacement.
			\$54,500	2016 Subtotal
2017	Sewer	Capital Outlay	56,000	Emergency/unanticipated capital equipment replacement.
			\$56,000	2017 Subtotal
2018	Sewer	Capital Outlay	58,000	Emergency/unanticipated capital equipment replacement.
			\$58,000	2018 Subtotal
2019	Sewer	Capital Outlay	59,500	Emergency/unanticipated capital equipment replacement.
			\$59,500	2019 Subtotal
2020	Sewer	Capital Outlay	61,500	Emergency/unanticipated capital equipment replacement.
			\$61,500	2020 Subtotal
2021	Sewer	Capital Outlay	63,500	Emergency/unanticipated capital equipment replacement.
			\$63,500	2021 Subtotal
2022	Sewer	Capital Outlay	65,500	Emergency/unanticipated capital equipment replacement.
			\$65,500	2022 Subtotal
2023	Sewer	Capital Outlay	67,500	Emergency/unanticipated capital equipment replacement.
			\$67,500	2023 Subtotal
2024	Sewer	Capital Outlay	70,000	Emergency/unanticipated capital equipment replacement.
			\$70,000	2024 Subtotal
	TOTAL		\$609,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #252-Fire Station Improvements

I. PROJECT TYPE: Public Safety

II. LOCATION: All Stations

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. N/A Tax Base Exp. City Master Pl.
 Rebuild O + M Costs N/A Council Goals H Timeliness Public Facilities
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to provide funding for a variety of repairs and improvements to the four existing fire stations on an annual basis.

SERVICE IMPACT: Routine repairs and improvements help to prolong the useful life of facilities, as well as provide a safe and pleasant working environmental for employees there helping to maintain morale.

IMPACT IF NOT FUNDED: Increased cost for repairs due to deferred maintenance.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 25 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	65,000	0	0	0	0	0	0	0	0	65,000
General	G.O. Bonds	50,000	0	350,000	195,000	75,000	75,000	75,000	75,000	500,000	5,020,000	6,415,000
	Total	50,000	65,000	350,000	195,000	75,000	75,000	75,000	75,000	500,000	5,020,000	6,480,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #252-Fire Station Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	50,000	Repair of leaking roofs at fire stations.
		\$50,000	2015 Subtotal
2016	General Capital Transfer	65,000	Comprehensive facilities needs assessment / master plan for the 4 fire stations.
		\$65,000	2016 Subtotal
2017	General G.O. Bonds	250,000	Construct additional apparatus bay to the Broadway Station. (Pending Needs Assessment / Master Plan)
	General G.O. Bonds	75,000	Placeholder for miscellaneous Improvements to all 4 Fire Stations. (Pending outcome of Needs Assessment / Master Plan).
	General G.O. Bonds	25,000	Study of possible re-location of Height's Fire Station
		\$350,000	2017 Subtotal
2018	General G.O. Bonds	120,000	Construct two bay garage at the Heights Station to house reserve apparatus and forestry equipment. (Pending Needs Assessment / Master Plan)
	General G.O. Bonds	75,000	Placeholder for miscellaneous Improvements to all 4 Fire Stations. (Pending outcome of Needs Assessment / Master Plan).
		\$195,000	2018 Subtotal
2019	General G.O. Bonds	75,000	Placeholder for miscellaneous Improvements to all 4 Fire Stations. (Pending outcome of Needs Assessment / Master Plan).
		\$75,000	2019 Subtotal
2020	General G.O. Bonds	75,000	Placeholder for miscellaneous Improvements to all 4 Fire Stations. (Pending outcome of Needs Assessment / Master Plan).
		\$75,000	2020 Subtotal
2021	General G.O. Bonds	75,000	Placeholder for miscellaneous Improvements to all 4 Fire Stations. (Pending outcome of Needs Assessment / Master Plan).

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	FIRE	#252-Fire Station Improvements	<u>\$75,000</u>	2021 Subtotal
2022	General G.O. Bonds	75,000	Placeholder for miscellaneous Improvements to all 4 Fire Stations. (Pending outcome of Needs Assessment / Master Plan).	
		<u>\$75,000</u>	2022 Subtotal	
2023	General G.O. Bonds	500,000	Placeholder: Design a new fire station in East Concord pending outcome of needs assessment and location studies.	
		<u>\$500,000</u>	2023 Subtotal	
2024	General G.O. Bonds	5,000,000	Placeholder: Construct and furnish a new fire station in East Concord pending outcome of needs assessment and location studies. New building and furnishings only.	
	General G.O. Bonds	20,000	Fire Facility Emergency Repairs	
		<u>\$5,020,000</u>	2024 Subtotal	
TOTAL		<u>\$6,480,000</u>		

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #254-Water System Emergency/Unanticipated Equipment Replacement

I. PROJECT TYPE: Water Treatment

II. LOCATION: Water Treatment Plant and Pump Stations

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New M Safety H Facility Cond. L Productivity
 Replace L Mandates L Service Def. N/A Tax Base Exp. N/A City Master Pl.
 Rebuild N/A O + M Costs N/A Council Goals M Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Funding to provide for emergency/unanticipated replacement of capital equipment. Previously distributed in various operating accounts.

SERVICE IMPACT: Provides for timely replacement of capital components failing before their predicted life expectancy.

IMPACT IF NOT FUNDED: Without contingency funding replacements could be delayed with degradation of service.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	Capital Outlay	50,000	52,000	54,000	56,000	58,000	60,000	62,000	64,000	66,000	68,000	590,000
	Total	50,000	52,000	54,000	56,000	58,000	60,000	62,000	64,000	66,000	68,000	590,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Water Capital Outlay	50,000	Emergency/unanticipated replacement of capital equipment.
		\$50,000	2015 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-WATER	#254-Water System Emergency/Unanticipated Equipment Replacement		
2016	Water Capital Outlay		52,000	Emergency/unanticipated replacement of capital equipment.
			\$52,000	2016 Subtotal
2017	Water Capital Outlay		54,000	Emergency/unanticipated replacement of capital equipment.
			\$54,000	2017 Subtotal
2018	Water Capital Outlay		56,000	Emergency/unanticipated replacement of capital equipment.
			\$56,000	2018 Subtotal
2019	Water Capital Outlay		58,000	Emergency/unanticipated replacement of capital equipment.
			\$58,000	2019 Subtotal
2020	Water Capital Outlay		60,000	Emergency/unanticipated replacement of capital equipment.
			\$60,000	2020 Subtotal
2021	Water Capital Outlay		62,000	Emergency/unanticipated replacement of capital equipment.
			\$62,000	2021 Subtotal
2022	Water Capital Outlay		64,000	Emergency/unanticipated replacement of capital equipment.
			\$64,000	2022 Subtotal
2023	Water Capital Outlay		66,000	Emergency/unanticipated replacement of capital equipment.
			\$66,000	2023 Subtotal
2024	Water Capital Outlay		68,000	Emergency/unanticipated replacement of capital equipment.
			\$68,000	2024 Subtotal
	TOTAL		\$590,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #267-South Main Street / Broadway Intersection Improvements

I. PROJECT TYPE: Intersections

II. LOCATION: South Main/Broadway Street Intersection

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input checked="" type="checkbox"/> New	<input type="checkbox"/> M Safety	<input type="checkbox"/> N/A Facility Cond.	<input type="checkbox"/> N/A Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox"/> H Mandates	<input type="checkbox"/> N/A Service Def.	<input type="checkbox"/> L Tax Base Exp.	<input type="checkbox"/> L City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> L O + M Costs	<input type="checkbox"/> M Council Goals	<input type="checkbox"/> L Timeliness	Intersection Improvement
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Construct signalized intersection at the intersection of South Main and Broadway Streets to provide coordinated through and turning movements. Minimize congestion and provide for a safer and orderly progression through this intersection for both the pedestrian and motoring public. This improvement was recommended in the 1999 traffic study prepared by Rauseo Transportation Planning Consultant Services for a private development in this area.

SERVICE IMPACT: Increased congestion and maintenance costs. Increased level of service through intersection.

IMPACT IF NOT FUNDED: Increased traffic congestion and delays.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2001 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Impact Fees Traf Dist 3	0	0	0	0	0	0	0	0	0	500,000	500,000
	Total	0	0	0	0	0	0	0	0	0	500,000	500,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #267-South Main Street / Broadway Intersection Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2024	General Impact Fees Traf Dist 3	500,000	Design and construct intersection improvements.
		<u>\$500,000</u>	2024 Subtotal
	TOTAL	<u>\$500,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #275-Sewer Pump Station Improvements

I. PROJECT TYPE: Sewer Collection

II. LOCATION: Various Pump Stations

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New M Safety H Facility Cond. N/A Productivity
 Replace L Mandates M Service Def. N/A Tax Base Exp. L City Master Pl.
 Rebuild N/A O + M Costs N/A Council Goals M Timeliness Sewer
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Provides for planned replacement, upgrade and refurbishment of aging equipment at sewer pump stations before disruptive failures occur.

SERVICE IMPACT: Critical reliability of pump stations will be maintained and accelerating maintenance costs will be avoided.

IMPACT IF NOT FUNDED: Potential for unanticipated failure of equipment that could disrupt service and result in significant costs to repair or replace.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Sewer	G.O. Bonds	440,000	50,000	235,000	55,000	565,000	257,500	0	90,000	85,000	90,000	1,867,500
Sewer	Mountain Green Reserve	50,000	250,000	0	0	0	0	50,000	300,000	0	0	650,000
Sewer	Capital Close-out	109,299	0	0	0	0	0	0	0	0	0	109,299
	Total	599,299	300,000	235,000	55,000	565,000	257,500	50,000	390,000	85,000	90,000	2,626,799

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #275-Sewer Pump Station Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Sewer G.O. Bonds	440,000	Equipment/process improvements - construction of remote pump station SCADA communication and controls upgrade.
	Sewer Capital Close-out	109,299	Close-out share.
	Sewer Mountain Green Reserve	50,000	Equipment/process improvements - design engineering services for Mountain Green south pump station replacement.
		\$599,299	2015 Subtotal
2016	Sewer Mountain Green Reserve	250,000	Equipment/process improvements - construction of Mountain Green south pump station improvements designed in FY15.
	Sewer G.O. Bonds	50,000	Loudon Road pump station emergency generator.
		\$300,000	2016 Subtotal
2017	Sewer G.O. Bonds	235,000	East Concord pump station improvements - standby generator replacement; electrical system upgrade.
		\$235,000	2017 Subtotal
2018	Sewer G.O. Bonds	55,000	Building systems improvements - East Concord pump station ventilation system upgrade.
		\$55,000	2018 Subtotal
2019	Sewer G.O. Bonds	490,000	Equipment/process improvements - Hannah Dustin pump station renovations to include installation of above grade pumps, replacement of standby generator, and upgrade of electrical service.
	Sewer G.O. Bonds	75,000	Mall pump station Variable Speed Drives for the pumps.
		\$565,000	2019 Subtotal
2020	Sewer G.O. Bonds	200,000	East Concord pump station improvements - roof replacement.
	Sewer G.O. Bonds	57,500	Building systems improvements - East Concord pump station space heating system upgrade to replace existing steam boiler with condensing hot water boiler. Will include new hot water unit heaters, piping, and auxiliary components.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#275-Sewer Pump Station Improvements	\$257,500	2020 Subtotal
2021	Sewer	Mountain Green Reserve	50,000	Equipment/process improvements - design engineering services for Mountain Green north pump station and standby generator replacement.
			\$50,000	2021 Subtotal
2022	Sewer	Mountain Green Reserve	300,000	Equipment/process improvements - construction of Mountain Green north pump station improvements designed in FY21.
	Sewer	G.O. Bonds	50,000	Replace grinders at East Concord and Chenell Drive pump stations.
	Sewer	G.O. Bonds	40,000	Equipment/process improvements - install secondary valve vault, new isolation valves, pump guide rails, and discharge piping at Loudon Road pump station.
			\$390,000	2022 Subtotal
2023	Sewer	G.O. Bonds	85,000	Building systems improvements - electrical distribution system upgrades at Chenell Drive, Steeplegate Mall, and Antrim Ave. pump stations.
			\$85,000	2023 Subtotal
2024	Sewer	G.O. Bonds	75,000	Equipment/process improvements - Chenell Drive pump station pump/motor replacement.
	Sewer	G.O. Bonds	15,000	Equipment/process improvements - Steeplegate Mall pump station grinder replacement.
			\$90,000	2024 Subtotal
	TOTAL		\$2,626,799	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #276-Facility Needs Assessment & Renovation Plan

I. PROJECT TYPE: Public Buildings

II. LOCATION: City-owned properties maintained by Public Properties Division throughout City

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Public Facilities

DESCRIPTION: Engineering and architectural evaluation of Public Properties maintained structures (79 structures value at approximately \$70 million) to definitively quantify their physical condition as well as identify their current and projected restoration/renovation requirements. An integrated and prioritized maintenance plan with associated cost estimates will be developed to ensure effective investments are programmed. Information will also be used to support change of use, retirement and replacement decisions. Management of maintenance plan will require automated work order system for tracking and cost evaluations.

SERVICE IMPACT: Coordinated and prioritized renovation, restoration, and major maintenance will improve effectiveness of funds and labor efforts expenditures. Improved condition and life of facilities should result. Improved response, cost analysis and planning from work order system.

IMPACT IF NOT FUNDED: Maintenance will continue to be focused on infrastructure failures. Preventable deterioration may not be corrected.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2002

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	150,000	0	0	0	0	0	0	0	0	150,000
	Total	0	150,000	0	0	0	0	0	0	0	0	150,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: GS-PUBLIC PROPERTIES #276-Facility Needs Assessment & Renovation Plan

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Capital Transfer	150,000	Contract consultant services for a complete municipal building assessment. DuBois & King report update.
		<u>\$150,000</u>	2016 Subtotal
	TOTAL	<u>\$150,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #283-Traffic Signals and Traffic Operations Improvements

I. PROJECT TYPE: Intersections

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Corridor Improvements

DESCRIPTION: In an effort improve vehicle, pedestrian and bicycle safety throughout the City, this project provides for traffic and pedestrian signal improvements resulting from the need for traffic operations improvements, safety enhancements, repairs as well as addressing changing State and Federal regulatory requirements. Signal locations without pedestrian controls will be prioritized.

SERVICE IMPACT: Improved and enhanced vehicle and pedestrian safety throughout the City. A nominal increase in operating and maintenance costs is expected to accommodate new systems.

IMPACT IF NOT FUNDED: Increased neighborhood concern with vehicular and pedestrian safety City-wide resulting in the need for increased and dedicated police enforcement.

IV PREVIOUS FISCAL YEAR AUTHORIZED: Jan. 2000 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	140,000	0	175,000	0	150,000	0	0	0	0	465,000
General	Highway Reserve	0	0	0	110,000	0	0	0	0	0	0	110,000
	Total	0	140,000	0	285,000	0	150,000	0	0	0	0	575,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #283-Traffic Signals and Traffic Operations Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	140,000	Pleasant Street/State Street - Replace existing traffic signal mast arm supports, install new equipment including pedestrian pushbuttons, and improve sidewalk corners, crosswalk geometry and pavement graphics.
		\$140,000	2016 Subtotal
2018	General G.O. Bonds	175,000	Pleasant Street/Green Street - Replace existing traffic signal equipment with new equipment including pedestrian pushbuttons, blank out signs, audible pedestrian equipment, video detection and improve sidewalk corners, crosswalk geometry and pavement graphics.
	General Highway Reserve	110,000	Downtown pedestrian signals update - Install pedestrian countdown signals at remainder of downtown intersections, including: N State/Bouton; N State/Capital; N State/School; N State/Warren; N State/Pleasant; N State/West; Pleasant/Green; and Pleasant/Spring.
			Signal Coordination Improvements - Investigate and implement signal timing and equipment changes to enhance traffic signal coordination along the N. Main/Bouton Street corridor including the signalized intersections at Washington Street, Ferry Street, I-393, N. State Street and Penacook Street, as well as the 393/Commercial Street intersection.
			McKee Square signal controller replacement - Replace aging signal controller cabinet at South/Clinton/Broadway intersection. Interim update needed to maintain current signal operation until implementation of McKee Square Improvements Project (CIP31).
		\$285,000	2018 Subtotal
2020	General G.O. Bonds	150,000	Pleasant Street/Spring Street - Replace existing traffic signal equipment with new equipment including pedestrian push buttons, blank out signs, audible pedestrian equipment, video detection and improve sidewalk corners, crosswalk geometry and pavement graphics.
		\$150,000	2020 Subtotal
	TOTAL	\$575,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #297-Geographic Information Systems (GIS)

I. PROJECT TYPE: Information Technology & Communications

II. LOCATION: City Agencies

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Other
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The City's comprehensive Geographic Information System (GIS) Master Plan was completed and approved by ITAC and City Council in 2006. The Master Plan was intended to define the long-term GIS capital needs.

Internet based GIS software has been operational since 2005 allowing access to the City's GIS network with a web browser. Property information, street, zoning voting wards, and aerial photos and contours are now available on this public website.

Recent document management innovations added to the City GIS made property development plans and utility records available from interactive web maps. The digital tax map project was introduced to merge three existing versions of the City's tax maps into one single database of improved accuracy and efficiency in use.

SERVICE IMPACT: Investments in GIS technology are essential for the delivery of services to the internal and external customers. The need to share information has become so imperative to the way we do business that without access to the information many of the City's personnel would not be able to perform their job duties. The GIS fits into the category of delivering information (including digital aerial photos) across department boundaries and to the public through the internet.

IMPACT IF NOT FUNDED: The GIS data that the City has heavily invested in will deteriorate to the point where it will become functionally obsolete. The ability to capture and update the changes in the City as new development occurs will diminish. Propagation of GIS databases to the City's other departments will not happen as quickly or efficiently. The GIS will become a glorified drafting department and will not have the ability to accommodate the needs of other departments.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

5

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #297-Geographic Information Systems (GIS)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	Capital Transfer	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	5,000	5,000	38,000
General	Capital Close-out	10,027	0	0	0	0	0	0	0	0	0	10,027
General	Capital Transfer	32,500	63,500	128,500	128,500	128,500	53,500	3,500	3,500	5,000	5,000	552,000
Sewer	Capital Transfer	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	5,000	5,000	38,000
Total		49,527	70,500	135,500	135,500	135,500	60,500	10,500	10,500	15,000	15,000	638,027

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Transfer	29,000	Digital Tax Map Development - Phase 3A
			Develop digital tax map base with accurately defined property boundaries from surveyed plans and deed research. Part of a 6-phase, city-wide effort, the project will resolve discrepancies among the three versions of tax maps maintained by the City and consolidate the maps to a single digital base. Corrected parcels will be identified in preparation to Asset Management and Work Order ERP initiatives. The resulting digital tax maps will be easier to maintain and share with Departments and improve convenience to the public in terms of information research, map production and archiving.
	General Capital Close-out	10,027	Tax Map Phase 3A. Close-out share.
	General Capital Transfer	3,500	GIS Layer Development - See GIS Master Plan. Funding for GIS Interns.
	Water Capital Transfer	3,500	GIS Layer Development (Water Portion)
	Sewer Capital Transfer	3,500	GIS Layer Development (Sewer Portion)
		\$49,527	2015 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#297-Geographic Information Systems (GIS)	
2016	General Capital Transfer	60,000	Digital Tax Map Development - Phase 3B
			Develop digital tax map base with accurately defined property boundaries from surveyed plans and deed research. Part of a 6-phase, city-wide effort, the project will resolve discrepancies among the three versions of tax maps maintained by the City and consolidate the maps to a single digital base. Corrected parcels will be identified in preparation to Asset Management and Work Order ERP initiatives. The resulting digital tax maps will be easier to maintain and share with Departments and improve convenience to the public in terms of information research, map production and archiving.
	Water Capital Transfer	3,500	GIS Layer Development (Water Portion)
	General Capital Transfer	3,500	GIS Layer Development - See GIS Master Plan. Funding for GIS Interns.
	Sewer Capital Transfer	3,500	GIS Layer Development (Sewer Portion)
		\$70,500	2016 Subtotal
2017	General Capital Transfer	125,000	Digital Tax Map Development - Phase 4
			Develop digital tax map base with accurately defined property boundaries from surveyed plans and deed research. Part of a 6-phase, city-wide effort, the project will resolve discrepancies among the three versions of tax maps maintained by the City and consolidate the maps to a single digital base. Corrected parcels will be identified in preparation to Asset Management and Work Order ERP initiatives. The resulting digital tax maps will be easier to maintain and share with Departments and improve convenience to the public in terms of information research, map production and archiving.
	Water Capital Transfer	3,500	GIS Layer Development (Water Portion)
	General Capital Transfer	3,500	GIS Layer Development - See GIS Master Plan. Funding for GIS Interns.
	Sewer Capital Transfer	3,500	GIS Layer Development (Sewer Portion)
		\$135,500	2017 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#297-Geographic Information Systems (GIS)	
2018	General Capital Transfer	125,000	Digital Tax Map Development - Phase 5
			Develop digital tax map base with accurately defined property boundaries from surveyed plans and deed research. Part of a 6-phase, city-wide effort, the project will resolve discrepancies among the three versions of tax maps maintained by the City and consolidate the maps to a single digital base. Corrected parcels will be identified in preparation to Asset Management and Work Order ERP initiatives. The resulting digital tax maps will be easier to maintain and share with Departments and improve convenience to the public in terms of information research, map production and archiving.
	Water Capital Transfer	3,500	GIS Layer Development (Water Portion)
	Sewer Capital Transfer	3,500	GIS Layer Development (Sewer Portion)
	General Capital Transfer	3,500	GIS Layer Development - See GIS Master Plan. Funding for GIS Interns.
		\$135,500	2018 Subtotal
2019	General Capital Transfer	125,000	Tax Map Update Phase 6
	General Capital Transfer	3,500	GIS Layer Development - See GIS Master Plan. Funding for GIS Interns.
	Sewer Capital Transfer	3,500	GIS Layer Development (Sewer Portion)
	Water Capital Transfer	3,500	GIS Layer Development (Water Portion)
		\$135,500	2019 Subtotal
2020	General Capital Transfer	50,000	Survey Grade GPS System - Survey grade Global Positioning System (GPS) receiver and data collector for design data layout, control and mapping.
	General Capital Transfer	3,500	GIS Layer Development - See GIS Master Plan. Funding for GIS Interns.
	Sewer Capital Transfer	3,500	GIS Layer Development (Sewer Portion)
	Water Capital Transfer	3,500	2020 GIS Layer Development
		\$60,500	2020 Subtotal
2021	General Capital Transfer	3,500	GIS Layer Development - See GIS Master Plan. Funding for GIS Interns.
	Sewer Capital Transfer	3,500	2021 GIS Layer Development (Sewer Portion)
	Water Capital Transfer	3,500	2021 GIS Layer Development (Water Portion)
		\$10,500	2021 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#297-Geographic Information Systems (GIS)	
2022	General Capital Transfer	3,500	GIS Layer Development - See GIS Master Plan. Funding for GIS Interns.
	Sewer Capital Transfer	3,500	2022 GIS Layer Development (Sewer Portion)
	Water Capital Transfer	3,500	2022 GIS Layer Development (Water Portion)
		\$10,500	2022 Subtotal
2023	General Capital Transfer	5,000	Data layer updates.
	Sewer Capital Transfer	5,000	Data layer updates
	Water Capital Transfer	5,000	Data layer updates
		\$15,000	2023 Subtotal
2024	General Capital Transfer	5,000	Data layer updates
	Sewer Capital Transfer	5,000	Data layer updates
	Water Capital Transfer	5,000	Data layer updates
		\$15,000	2024 Subtotal
	TOTAL	\$638,027	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: INFORMATION TECHNOLOGY #302-Enterprise Wide Information Systems Applications

I. PROJECT TYPE: Information Technology & Communications

II. LOCATION: All City Departments and Agencies

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox" value="H"/> Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox" value="L"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox" value="H"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox" value="H"/> O + M Costs	<input type="checkbox" value="M"/> Council Goals	<input type="checkbox" value="H"/> Timeliness	MIS
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The increased use of technology brings with it both challenges and opportunities. Opportunity is created to serve customers and citizens better and more effectively at less costs. Challenges are also created. Customers demand more, better and faster service and information from the City. New citizens, taught and trained on new equipment also seek the means of doing business in the manner they have come accustomed. Old business methods and practices must be reexamined and altered if we are to take full advantage of the possibilities and respond to changing needs. Employees skills need to be altered and upgraded if they are to be ready and involved in the processes that will emerge.

The area of Web Development in particular holds the highest potential for change and improvement, with an improvement in Social Networking aspects to improve citizen data access.

It is estimated that between all the users, the net cost to the general fund for these applications will be about 70% of the total cost of the project. Other City operating entities would be responsible for about 30% of the cost.

These applications will be comprised of several components. Specialized computer hardware and software as well as enhanced servers will be needed to store, convert, retrieve and produce data and images. Analysis, comparison and documentation of existing versus appropriate business practices will have to be performed, and implemented. Employees will need to be trained and transitioned into these new methods.

Projected costs include all these expenses for each application.

SERVICE IMPACT: More efficient service delivery will be enabled as new and old data is more readily available, easily accessed, retrieved and stored, made available to anyone at any time they want it. Data will be shared organization-wide eliminating the parochial and limiting aspects of current departmentalized data ownership. Processing financial transactions will be more secure, less costly, faster and flexible to meet the many new and divergent needs of more sophisticated customers as well as the traditional visitor.

The City will be attractive to the people and business who bring the financial resources to provide for both a socially and financially well balanced community.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: INFORMATION TECHNOLOGY #302-Enterprise Wide Information Systems Applications

IMPACT IF NOT FUNDED: The potential of the investments made to date in technologically advanced systems will be underutilized. Continued productivity improvements will be unavailable to reduce costs of operation. Costs of maintaining several outdated and duplicative payroll systems will become increasingly burdensome. The potential for data mismanagement and lost records will persist. Privacy could become compromised thereby presenting liabilities.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Sewer	G.O. Bonds	0	36,500	0	0	0	0	0	0	0	0	36,500
Arena	G.O. Bonds	0	3,000	0	0	0	0	0	0	0	0	3,000
General	G.O. Bonds	0	103,000	0	0	0	0	0	0	0	0	103,000
Parking	G.O. Bonds	0	3,000	0	0	0	0	0	0	0	0	3,000
Golf	G.O. Bonds	0	3,000	0	0	0	0	0	0	0	0	3,000
Water	G.O. Bonds	0	36,500	0	0	0	0	0	0	0	0	36,500
Total		0	185,000	0	0	0	0	0	0	0	0	185,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	103,000	Funds for payroll time keeping software. Software and implementation (\$160,000). Hardware (\$25,000).
	Sewer G.O. Bonds	36,500	Sewer system share.
	Parking G.O. Bonds	3,000	Parking share as above.
	Golf G.O. Bonds	3,000	Golf share as above.
	Arena G.O. Bonds	3,000	Arena share as above.
	Water G.O. Bonds	36,500	Water system share.
		\$185,000	2016 Subtotal
	TOTAL	\$185,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #305-Fire Department Portable Radios

I. PROJECT TYPE: Public Safety

II. LOCATION: All Stations

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New M Safety L Facility Cond. H Productivity
 Replace L Mandates H Service Def. N/A Tax Base Exp. L City Master Pl.
 Rebuild N/A O + M Costs L Council Goals H Timeliness Other
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Systematic and planned replacement of critical emergency communications equipment.

SERVICE IMPACT: Improved reliability on the emergency scene which improves safety and maintains operational efficiency.

IMPACT IF NOT FUNDED: Less reliable communication equipment results in increased threat to health and safety of City personnel as well as the general public.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

7

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	190,000	190,000	0	0	0	0	0	0	400,000	780,000
	Total	0	190,000	190,000	0	0	0	0	0	0	400,000	780,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	190,000	Systematic replacement of portable radios.
		\$190,000	2016 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	FIRE	#305-Fire Department Portable Radios		
2017	General G.O. Bonds		190,000	Systematic replacement of portable radios
			\$190,000	2017 Subtotal
2024	General G.O. Bonds		400,000	Radio Replacement
			\$400,000	2024 Subtotal
	TOTAL		\$780,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #321-Water System Master Plan & Implementation

I. PROJECT TYPE: Water Treatment

II. LOCATION: General Services

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs

Facility Cond. Service Def. Council Goals

Productivity Tax Base Exp. Timeliness

City Master Pl. Water

DESCRIPTION: The Water Master Plan completed in 3 separate phases during 2006-2010. Part one looked at alternative water sources recommending a source of supply in the Merrimack River. Part two evaluated the existing water treatment facility and looked at future treatment options recommending the refurbishment of the existing treatment facility on Hutchinson Street. Part three reviewed the future distribution and storage needs recommending improvements in the distribution system and additional storage capacity to meet the future needs of the City.

The purpose of this projects is to undertake a comprehensive update of the 2010 Water Master Plan.

SERVICE IMPACT: Periodic review and updating of the water master plan helps allows the City to adequately plan for future needs of the community as well as prioritize investment in the water system.

IMPACT IF NOT FUNDED: Inadequate planning for the City's future water needs could result in water shortages, as well as a variety of negative economic development and fiscal impacts to the community.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 30

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	G.O. Bonds	0	30,000	90,000	0	0	300,000	0	0	0	0	420,000
	Total	0	30,000	90,000	0	0	300,000	0	0	0	0	420,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #321-Water System Master Plan & Implementation

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	Water G.O. Bonds	30,000	Update the supply study portion of Phase I of the 2006 Master Plan.
		\$30,000	2016 Subtotal
2017	Water G.O. Bonds	90,000	Conduct a geophysical site investigation as recommended by the 2006 Water Master Plan to further explore potential feasibility of utilizing the Merrimack River in west as a new supply to support the City's long-term needs for potable water.
		\$90,000	2017 Subtotal
2020	Water G.O. Bonds	300,000	Update the Master Plan completed in 2010.
		\$300,000	2020 Subtotal
	TOTAL	\$420,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #322-Picnic Shelters

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Various Parks

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness

City Master Pl. Parks

DESCRIPTION: Construct picnic shelters in various parks to replace previously demolished facilities, fulfill shortfalls identified in the Recreation Master Plan (Thoresen) and meet citizen desires brought forward during the 20/20 Vision process. Shelters would provide concentration of picnic facilities for groups or gatherings as well as some protection from inclement weather for any park user. Initial installations would be at Merrill Park (funded in FY2002), White Park, Kimball Park, Rolfe, Garrison and Rollins.

SERVICE IMPACT: Increased use of the parks for picnics and gatherings will result. Locations near other activities in the parks will increase their use during marginal or variable weather.

IMPACT IF NOT FUNDED: Shortfall of this capability will continue. Public demand for all weather picnic and social gatherings at the parks will remain unfulfilled.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	0	0	5,000	5,000	5,000	0	0	0	0	15,000
	Total	0	0	0	5,000	5,000	5,000	0	0	0	0	15,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: REC-GROUNDS #322-Picnic Shelters

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	General Capital Transfer	5,000	Refurbish the picnic shelter at Memorial Field.
		<u>\$5,000</u>	2018 Subtotal
2019	General Capital Transfer	5,000	Refurbish the picnic shelter at Keach Park.
		<u>\$5,000</u>	2019 Subtotal
2020	General Capital Transfer	5,000	Refurbish 2002 picnic shelter at Merrill Park.
		<u>\$5,000</u>	2020 Subtotal
	TOTAL	<u>\$15,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #323-Combined Operations & Maintenance Facility (COMF) Improvements

I. PROJECT TYPE: Public Buildings

II. LOCATION: COMF - 311 North State Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="L"/> Facility Cond.	<input type="checkbox" value="M"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox" value="N/A"/> Mandates	<input type="checkbox" value="H"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="L"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="N/A"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	Public Facilities
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: This provides for the capital improvements for the Combined Operations and Maintenance Facility (COMF) that houses General Services as well as the Concord School District Bus Maintenance operations.

SERVICE IMPACT: Improvements necessary for existing operations, such as safety, upgrade/replacement, expansion due to population growth.

IMPACT IF NOT FUNDED: The facility will deteriorate and its useful life will be diminished.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Sewer	Capital Close-out	17,682	0	0	0	0	0	0	0	0	0	17,682
Sewer	G.O. Bonds	30,000	102,000	45,000	40,000	20,000	70,000	70,000	25,000	25,000	15,000	442,000
General	G.O. Bonds	70,000	255,000	100,000	80,000	60,000	190,000	210,000	50,000	50,000	30,000	1,095,000
Water	G.O. Bonds	30,000	102,000	45,000	40,000	20,000	70,000	70,000	25,000	25,000	15,000	442,000
	Total	147,682	459,000	190,000	160,000	100,000	330,000	350,000	100,000	100,000	60,000	1,996,682

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #323-Combined Operations & Maintenance Facility (COMF) Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	35,000	Enclose open side of cold storage
	General G.O. Bonds	20,000	Concrete flat work repairs and floor grate repairs in the vehicle storage facility.
	Sewer Capital Close-out	17,682	Repairs to Public Properties Facility roof at 115 Hall Street
	Sewer G.O. Bonds	15,000	Concrete flat work repairs and floor grate repairs in the vehicle storage facility.
	Water G.O. Bonds	15,000	Enclose open side of cold storage
	Sewer G.O. Bonds	15,000	Enclose open side of cold storage
	General G.O. Bonds	15,000	Arc Flash analysis, signage and training.
	Water G.O. Bonds	15,000	Concrete flat work repairs and floor grate repairs in the vehicle storage facility.
		\$147,682	2015 Subtotal
2016	General G.O. Bonds	100,000	Elastomeric Roof Coating for the standing seam roofs.
	General G.O. Bonds	80,000	Snow guards at vehicle storage
	General G.O. Bonds	75,000	Temper outside air for AC-4 and MAU-6, upgrades to MAU 1 & 2 and EMS system improvements
	Sewer G.O. Bonds	50,000	Elastomeric Roof Coating for the standing seam roofs.
	Water G.O. Bonds	50,000	Elastomeric Roof Coating for the standing seam roofs.
	Sewer G.O. Bonds	40,000	Snow guards at vehicle storage
	Water G.O. Bonds	40,000	Snow guards at vehicle storage
	Water G.O. Bonds	12,000	Temper outside air for AC-4 and MAU-6, upgrades to MAU 1 & 2 and EMS system improvements
	Sewer G.O. Bonds	12,000	Temper outside air for AC-4 and MAU-6, upgrades to MAU 1 & 2 and EMS system improvements
		\$459,000	2016 Subtotal
2017	General G.O. Bonds	100,000	Replace Public Properties facility roof at 115 Hall Street. ORIGINAL ROOF (1981)
	Sewer G.O. Bonds	45,000	Replace Public Properties facility roof at 115 Hall Street. ORIGINAL ROOF (1981)
	Water G.O. Bonds	45,000	Replace Public Properties facility roof at 115 Hall Street. ORIGINAL ROOF (1981)
		\$190,000	2017 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#323-Combined Operations & Maintenance Facility (COMF) Improvements
2018	General G.O. Bonds	30,000 Crack seal and seal coat existing pavement. Pave gravel areas used for vehicle storage. General Fund share.
	General G.O. Bonds	30,000 HVAC and Energy Management System upgrades. Original 2007 work performed by Siemens Company. Maintain energy efficiency. General Fund portion
	General G.O. Bonds	20,000 Repaint walls and replace carpet in all principal areas of the facility. General Fund portion
	Water G.O. Bonds	15,000 Crack seal and seal coat existing pavement. Pave gravel areas used for vehicle storage. General Fund share. Water Fund share.
	Water G.O. Bonds	15,000 HVAC and Energy Management System upgrades. Original 2007 work performed by Siemens Company. Maintain energy efficiency. Water Fund portion
	Sewer G.O. Bonds	15,000 HVAC and Energy Management System upgrades. Original 2007 work performed by Siemens Company. Maintain energy efficiency. Sewer Fund portion.
	Sewer G.O. Bonds	15,000 Crack seal and seal coat existing pavement. Pave gravel areas used for vehicle storage. General Fund share. Sewer Fund share.
	Water G.O. Bonds	10,000 Repaint walls and replace carpet in all principal areas of the facility. Water Fund portion
	Sewer G.O. Bonds	10,000 Repaint walls and replace carpet in all principal areas of the facility. Sewer Fund portion
		\$160,000 2018 Subtotal
2019	Water G.O. Bonds	20,000 Phased plan to replace one-third of the overhead doors. (20 of the 57)
	Sewer G.O. Bonds	20,000 Phased plan to replace one-third of the overhead doors. (20 of the 57)
	General G.O. Bonds	40,000 Phased plan to replace one-third of the overhead doors. (20 of the 57)
	General G.O. Bonds	20,000 Replace furniture in common areas. Original equipment provided in 1992 when facility was first occupied.
		\$100,000 2019 Subtotal
2020	General G.O. Bonds	150,000 Replace underground fuel tanks
	Sewer G.O. Bonds	50,000 Replace underground fuel tanks
	Water G.O. Bonds	50,000 Replace underground fuel tanks
	Sewer G.O. Bonds	20,000 Phased plan to replace one-third of the overhead doors. (20 of the 57)
	Water G.O. Bonds	20,000 Phased plan to replace one-third of the overhead doors. (20 of the 57)
	General G.O. Bonds	40,000 Phased plan to replace one-third of the overhead doors. (20 of the 57)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#323-Combined Operations & Maintenance Facility (COMF) Improvements	
		\$330,000	2020 Subtotal
2021	General G.O. Bonds	150,000	Replace underground fuel tanks
	Sewer G.O. Bonds	50,000	Replace underground fuel tanks
	Water G.O. Bonds	50,000	Replace underground fuel tanks
	General G.O. Bonds	40,000	Phased plan to replace one-third of the overhead doors. (17 of the 57)
	General G.O. Bonds	20,000	Replace original ceiling tiles throughout the facility. (30 years old)
	Sewer G.O. Bonds	20,000	Phased plan to replace one-third of the overhead doors. (17 of the 57)
	Water G.O. Bonds	20,000	Phased plan to replace one-third of the overhead doors. (17 of the 57)
		\$350,000	2021 Subtotal
2022	General G.O. Bonds	50,000	Replace rubber tile in main hallway areas. 1990 original material. General Fund portion.
	Water G.O. Bonds	25,000	Replace rubber tile in main hallway areas. 1990 original material. Water Fund portion
	Sewer G.O. Bonds	25,000	Replace rubber tile in main hallway areas. 1990 original material. Sewer Fund Portion.
		\$100,000	2022 Subtotal
2023	General G.O. Bonds	50,000	Pavement rehabilitation
	Water G.O. Bonds	25,000	Pavement rehabilitation
	Sewer G.O. Bonds	25,000	Pavement rehabilitation
		\$100,000	2023 Subtotal
2024	General G.O. Bonds	30,000	Crack seal and seal coat existing pavement. General Fund share.
	Water G.O. Bonds	15,000	Crack seal and seal coat existing pavement. Water Fund share.
	Sewer G.O. Bonds	15,000	Crack seal and seal coat existing pavement. Sewer Fund share.
		\$60,000	2024 Subtotal
	TOTAL	\$1,996,682	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #332-Water Plant Security Improvements

I. PROJECT TYPE: Water Treatment

II. LOCATION: Water Filtration Plant and Remote Tanks and Stations

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs

Facility Cond. Service Def. Council Goals

Productivity Tax Base Exp. Timeliness

City Master Pl.

DESCRIPTION: The purpose of this project is to serve as a placeholder for potential grant funds which might be available to update security measures at the Water Plant such as fencing, lighting, remote surveillance cameras, anti-intrusion devices, etc. All remote devices will be connected to the SCADA system for remote monitoring and alarm transmission. Projects will be pursued on an annual basis subject to the availability of federal grants.

SERVICE IMPACT: Increased security at all water facilities.

IMPACT IF NOT FUNDED: The City water system would remain more vulnerable to terrorist activities.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	Capital Outlay	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000
Water	Federal	20,000*	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	200,000
	Total	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #332-Water Plant Security Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Water Federal	20,000	Federal initiatives for continued hardening of water facility infrastructure to protect against bioterrorism threats may provide funding of facility security measures.
	Water Capital Outlay	5,000	Possible need to provide a small match to state/federal grants.
		\$25,000	2015 Subtotal
2016	Water Federal	20,000	Federal initiatives for continued hardening of water facility infrastructure to protect against bioterrorism threats may provide funding of facility security measures.
	Water Capital Outlay	5,000	Possible need to provide a small match to state/federal grants.
		\$25,000	2016 Subtotal
2017	Water Federal	20,000	Federal initiatives for continued hardening of water facility infrastructure to protect against bioterrorism threats may provide funding of facility security measures.
	Water Capital Outlay	5,000	Possible need to provide a small match to state/federal grants.
		\$25,000	2017 Subtotal
2018	Water Federal	20,000	Federal initiatives for continued hardening of water facility infrastructure to protect against bioterrorism threats may provide funding of facility security measures.
	Water Capital Outlay	5,000	Possible need to provide a small match to state/federal grants.
		\$25,000	2018 Subtotal
2019	Water Federal	20,000	Federal initiatives for continued hardening of water facility infrastructure to protect against bioterrorism threats may provide funding of facility security measures.
	Water Capital Outlay	5,000	Possible need to provide a small match to state/federal grants.
		\$25,000	2019 Subtotal
2020	Water Federal	20,000	Federal initiatives for continued hardening of water facility infrastructure to protect against bioterrorism threats may provide funding of facility security measures.
	Water Capital Outlay	5,000	Possible need to provide a small match to state/federal grants.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-WATER	#332-Water Plant Security Improvements		
			\$25,000	2020 Subtotal
2021	Water	Federal	20,000	Federal initiatives for continued hardening of water facility infrastructure to protect against bioterrorism threats may provide funding of facility security measures.
	Water	Capital Outlay	5,000	Possible need to provide a small match to state/federal grants.
			\$25,000	2021 Subtotal
2022	Water	Federal	20,000	Federal initiatives for continued hardening of water facility infrastructure to protect against bioterrorism threats may provide funding of facility security measures.
	Water	Capital Outlay	5,000	Possible need to provide a small match to state/federal grants.
			\$25,000	2022 Subtotal
2023	Water	Federal	20,000	Federal initiatives for continued hardening of water facility infrastructure to protect against bioterrorism threats may provide funding of facility security measures.
	Water	Capital Outlay	5,000	Possible need to provide a small match to state/federal grants.
			\$25,000	2023 Subtotal
2024	Water	Federal	20,000	Federal initiatives for continued hardening of water facility infrastructure to protect against bioterrorism threats may provide funding of facility security measures.
	Water	Capital Outlay	5,000	Possible need to provide a small match to state/federal grants.
			\$25,000	2024 Subtotal
	TOTAL		\$250,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #335-Thermal Imaging Cameras

I. PROJECT TYPE: Public Safety

II. LOCATION: All Stations

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="H"/> Safety	<input type="checkbox" value="N/A"/> Facility Cond.	<input type="checkbox" value="H"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="N/A"/> Mandates	<input type="checkbox" value="H"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="N/A"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox" value="H"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="H"/> Timeliness	
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Systematic replacement of thermal imaging cameras for front line fire apparatus.

SERVICE IMPACT: The thermal imaging camera has quickly become a necessary tool in fire fighting. It's use can assist in locating people and animals in burning buildings as well help locate hidden fire smoldering within building cavities thereby helping to expedite emergency response efforts as well as reduce un-necessary risk to personnel and damage to private property.

IMPACT IF NOT FUNDED: Increased life safety risk and inability to overhaul efficiently.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	0	0	0	30,000	30,000	0	0	0	0	60,000
	Total	0	0	0	0	30,000	30,000	0	0	0	0	60,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #335-Thermal Imaging Cameras

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2019	General Capital Transfer	30,000	Phase 1 of 2. Systematic replacement of thermal imaging cameras. Anticipated to replace cameras purchased from FY2012.
		<hr/>	
		\$30,000	2019 Subtotal
2020	General Capital Transfer	30,000	Phase 2 of 2. Systematic replacement of thermal imaging cameras. Anticipated to replace cameras purchased in FY2014
		<hr/>	
		\$30,000	2020 Subtotal
		<hr/>	
	TOTAL	\$60,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #341-Park Land Acquisition

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Locations as identified in the Master Plan

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness

City Master Pl. Parks

DESCRIPTION: The Recreation Chapter of the Master Plan 2030 identifies neighborhoods where additional park land is needed. While some areas can be served by re-use of existing City land formerly used as landfills and stump dumps, some land will need to be acquired for use as park land.

Land will be acquired for the development of park facilities as identified in the Master Plan 2030. Grants and donations will be utilized to the greatest extent possible to minimize the City's expenditures and maximize the value of the property to be acquired. Depending on price and availability, the following acquisitions are anticipated: 1) land for access from East Concord Village to Coeyman Park; 2) a parcel in northern East Concord between Sewalls Falls Rd and Exit 17; 3) parcels for play lots in neighborhoods adjacent to the Downtowns of Concord & Penacook; 3) land to expand Martin Park; 4) parcels adjacent to existing older parks such as Keach and Penacook Riverfront.

SERVICE IMPACT: Based on the Master Plan, park land will be acquired to serve current and future population. Land will be acquired before real estate prices make economical purchases infeasible and before growth and development supplant all locations in reasonable proximity to the population to be served.

IMPACT IF NOT FUNDED: Land prices will continue to escalate, and growth and development will occupy the land most desirable for recreation facilities that would conveniently serve the community.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 99

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	0	0	500,000	500,000
	Total	0	0	0	0	0	0	0	0	0	500,000	500,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #341-Park Land Acquisition

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2024	General G.O. Bonds	500,000	Land acquisition for park development / expansions.
		<u>\$500,000</u>	2024 Subtotal
	TOTAL	<u>\$500,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SOLID WASTE #344-Solid Waste Master Plan

I. PROJECT TYPE: Solid Waste Management

II. LOCATION: Closed Landfill Site, Manor Rd., Ft. Eddy Road / Intervale Road, etc.

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Replace	<input type="checkbox"/> Rebuild	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis	<input type="checkbox"/> Safety	<input type="checkbox"/> Mandates	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Productivity	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> Timeliness	<input type="checkbox"/> City Master Pl.
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DESCRIPTION: In 2009, member communities of the Regional Solid Waste Cooperative were prohibited from bringing yard waste material to the Wheelabrator Incinerator in Penacook. As a result, the City entered into an agreement with a local contractor to operate a yard waste processing and composting center at the City's Intervale Road materials storage facility.

CIP 411 contemplates preparation of a new solid waste master plan for the City. Pending the completion of the master plan, funds might be required to modify the City's current strategy for collection and processing of yard waste. Therefore, the project is included as a place holder for future implementation of the solid waste master plan if so required.

SERVICE IMPACT: A prudent, long-term strategy for management of yard waste is necessary in order to minimize the City's solid waste costs.

IMPACT IF NOT FUNDED: In the event operation of a materials processing center at Intervale Road no longer is viable, the City has 2 primary options:
 1. Stockpile the collected material; or,
 2. Continue to rent the equipment needed to execute the composting operation.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Solid Waste	Capital Transfer	0	0	0	0	0	0	75,000	0	0	0	75,000
	Total	0	0	0	0	0	0	75,000	0	0	0	75,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: GS-SOLID WASTE #344-Solid Waste Master Plan

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2021	Solid Waste Capital Transfer	75,000	Funding will be used to implement findings of CIP 411 (Solid Waste Master Plan). Implementation may include supplementing current operations at Intervale Road / Ft. Eddy Road facility.
		<hr/>	
		\$75,000	2021 Subtotal
		<hr/>	
	TOTAL	\$75,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #345-Water Supply Well Field Maintenance

I. PROJECT TYPE: Water Treatment

II. LOCATION: Sanders Station (Pump Station 2), N. Pembroke Rd.

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New L Safety M Facility Cond. H Productivity
 Replace L Mandates H Service Def. M Tax Base Exp. L City Master Pl.
 Rebuild M O + M Costs N/A Council Goals M Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Maintaining an adequate water supply is important for the city. The purpose of this project is to properly maintain the City's well fields in Pembroke through regular investments thereby ensuring the facility will be available to produce approximately 1 million gallons per day on an as-needed basis. This project will comply with and help implement the recommendations of the 2006-2010 Water Master Plan

SERVICE IMPACT: Helps to maintain a diverse mix of supply sources for the City's water system and reduces dependence on Penacook Lake and the Contoocook River.

IMPACT IF NOT FUNDED: Drought conditions and a regulated restriction of Contoocook River usage may require that water restrictions be implemented throughout the City.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	G.O. Bonds	0	0	0	0	0	150,000	1,500,000	0	0	0	1,650,000
	Total	0	0	0	0	0	150,000	1,500,000	0	0	0	1,650,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #345-Water Supply Well Field Maintenance

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2020	Water G.O. Bonds	150,000	Design of a new pump house and appurtenances. Wright Pierce Engineers assessment and recommendations.
		\$150,000	2020 Subtotal
2021	Water G.O. Bonds	1,500,000	Place holder for future construction of new pump house at Station #2. Design effort will refine a replacement cost.
		\$1,500,000	2021 Subtotal
	TOTAL	\$1,650,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #347-Water Storage Tank Repairs

I. PROJECT TYPE: Water Distribution System

II. LOCATION: Five sites around the City

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New L Safety L Facility Cond. N/A Productivity
 Replace N/A Mandates H Service Def. N/A Tax Base Exp. N/A City Master Pl.
 Rebuild N/A O + M Costs N/A Council Goals H Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to establish a schedule of capital investments for the City's water tanks and related systems.

Routine investments will prolong the life of these facilities. Cleaning, crack sealing and re-application of the cementitious coatings to the exterior of the tanks will prevent corrosion and extend useful life each structure. Altitude valves and underground valve chambers will be repaired and rehabilitated while the tanks are out of service.

SERVICE IMPACT: Distribution tanks provide a readily available supply of water to meet the needs of the customers, but more importantly to provide needed fire protection volumes to the neighborhoods. Each tank represents a significant investment by the City and needs to be kept in a highly serviceable condition.

IMPACT IF NOT FUNDED: Lack of routine investments will decrease useful life of these facilities. In the extreme, lack of maintenance could cause tank failures thereby causing disruptions in water service (both domestic and fire protection).

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	G.O. Bonds	25,000	30,000	20,000	0	0	100,000	4,000,000	0	0	75,000	4,250,000
	Total	25,000	30,000	20,000	0	0	100,000	4,000,000	0	0	75,000	4,250,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #347-Water Storage Tank Repairs

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Water G.O. Bonds	25,000	Cleaning, crack sealing and re-application of cementitious coating and reconditioning/replacing altitudes valve and appurtenant controls for the Primrose Tank which serves Penacook Village.
		\$25,000	2015 Subtotal
2016	Water G.O. Bonds	30,000	Pressure wash and seal interior tank liners as recommended by the tank manufacturer.
		\$30,000	2016 Subtotal
2017	Water G.O. Bonds	20,000	Cleaning, crack sealing and re-application of cementitious coating and reconditioning/replacing altitudes valve and appurtenant controls for the Ed Young Tank located on Penacook Street.
		\$20,000	2017 Subtotal
2020	Water G.O. Bonds	100,000	Design development of a new water storage tank to serve the Heights / Manchester Street Corridor. Recommendation of the Phase III Water Master Plan.
		\$100,000	2020 Subtotal
2021	Water G.O. Bonds	4,000,000	Place holder for construction of a new water tank to serve the Heights / Manchester Street Corridor. Costs will be confirmed by the design development in 2018.
		\$4,000,000	2021 Subtotal
2024	Water G.O. Bonds	75,000	Cleaning, crack sealing and re-application of cementitious coating and reconditioning.
		\$75,000	2024 Subtotal
	TOTAL	\$4,250,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #352-Open Space Protection

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness

City Master Pl. Other

DESCRIPTION: The purpose of this project is to provide funding for the acquisitions of open space and conservation easements in accordance with the priorities of the Open Space Chapter of the 2030 Master Plan. Sources of funding include the proceeds from the Land Use Change Tax as deposited in the Conservation Fund, as well as the proceeds of a previously approved bond. The cost of appraisals of land for these purposes, as well as title work and closing expenses is included.

SERVICE IMPACT: Preserves the natural resources and environment of the City as well as the quality of life for residents. Provides economic benefits from increased land values adjacent to open space and the avoidance of costs to service development that would otherwise occur.

IMPACT IF NOT FUNDED: Critical parcels of open land will be developed and the benefits of the open space will be irrevocably lost.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 99

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	Trust	500,000*	500,000	500,000	0	0	0	0	0	0	0	1,500,000
	Total	500,000	500,000	500,000	0	0	0	0	0	0	0	1,500,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #352-Open Space Protection

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Other Trust	500,000	Placeholder: Purchase of parcels or conservation easements on parcels. The funding will be from Conservation Fund and will be matched by other grants such as LCHIP to the greatest extent possible. Up to \$20,000 will be made available for appraisals, title work, and expenses in conjunction with land and easement acquisitions.
		\$500,000	2015 Subtotal
2016	Other Trust	500,000	Placeholder: Purchase of parcels or conservation easements on parcels. The funding will be from Conservation Fund and will be matched by other grants such as LCHIP to the greatest extent possible. Up to \$20,000 will be made available for appraisals, title work, and expenses in conjunction with land and easement acquisitions.
		\$500,000	2016 Subtotal
2017	Other Trust	500,000	Placeholder: Purchase of parcels or conservation easements on parcels. The funding will be from Conservation Fund and will be matched by other grants such as LCHIP to the greatest extent possible. Up to \$20,000 will be made available for appraisals, title work, and expenses in conjunction with land and easement acquisitions.
		\$500,000	2017 Subtotal
	TOTAL	\$1,500,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #358-Garrison Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Hutchins Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness

City Master Pl. Parks

DESCRIPTION: In 2005, the City completed a comprehensive Master Plan for Garrison Park. The purpose of the plan was to identify and prioritize short and long-term needs for the facility.

SERVICE IMPACT: Proposed improvements will promote the use and enjoyment of the City's parks while ensuring efficiency in expenditure and the greatest return for the investment.

IMPACT IF NOT FUNDED: Existing facilities will continue to deteriorate, and facility expansion potential will not be realized. Any City funding will not be utilized in a planned and coordinated manner resulting in waste and inefficiency. There will be a loss in utilization and enjoyment of these parks by the citizenry.

IV. PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	175,000	65,000	0	0	240,000
General	Impact Fees Rec Dist 2	0	0	0	0	0	0	0	100,000	0	0	100,000
	Total	0	0	0	0	0	0	175,000	165,000	0	0	340,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #358-Garrison Park

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2021	General G.O. Bonds	100,000	Construction of accessible walkways and bridges within the southerly areas of the park as identified in the Park Improvement Plan for Garrison Park.
	General G.O. Bonds	75,000	Replacement of playground equipment.
		\$175,000	2021 Subtotal
2022	General Impact Fees Rec Dist 2	100,000	Design and construction of parking lot and access improvements as identified in the Garrison Park Improvement Plan.
	General G.O. Bonds	65,000	Basketball and tennis courts - renovation or reconstruction.
		\$165,000	2022 Subtotal
	TOTAL	\$340,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #359-Merrill Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Eastman Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Parks

DESCRIPTION: In 2005, the City completed a comprehensive Master Plan for Merrill Park. The purpose of the plan was to identify and prioritize short and long-term needs for the facility.

SERVICE IMPACT: Proposed improvements will promote the use and enjoyment of the City's parks while ensuring efficiency in expenditure and the greatest return for the investment.

IMPACT IF NOT FUNDED: Existing facilities will continue to deteriorate, and facility expansion potential will not be realized. Any City funds will not be done in a planned and coordinated manner resulting in waste and inefficiency. There will be a loss in utilization and enjoyment of these parks by the citizenry.

IV. PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	15,000	0	0	0	0	0	0	0	0	15,000
General	G.O. Bonds	0	0	30,000	0	0	60,000	0	0	0	0	90,000
	Total	0	15,000	30,000	0	0	60,000	0	0	0	0	105,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #359-Merrill Park

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Capital Transfer	15,000	Softball field back stop replacement.
		<u>\$15,000</u>	2016 Subtotal
2017	General G.O. Bonds	30,000	Upgrade playground equipment to achieve handicap accessibility.
		<u>\$30,000</u>	2017 Subtotal
2020	General G.O. Bonds	60,000	Rehab & Stripe parking lot.
		<u>\$60,000</u>	2020 Subtotal
	TOTAL	<u>\$105,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #360-Kimball Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: North State Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	<input type="checkbox"/> Parks
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Kimball Park was the focus of an intensive planning and design effort undertaken with Groundwork Concord, Inc. (now defunct) to guide future maintenance and capital investment in that park. The planning process resulted in the Kimball Park Master Plan for the upgrade and improvement of the park that prioritizes the City's expenditures and encourage volunteerism and donations to benefit the park.

SERVICE IMPACT: The improvement plans will promote the use and enjoyment of the City's parks while ensuring efficiency in expenditure and the greatest return for the investment.

IMPACT IF NOT FUNDED: Existing facilities will continue to deteriorate, and facility expansion potential will not be realized. Any City funds will not be done in a planned and coordinated manner resulting in waste and inefficiency. There will be a loss in utilization and enjoyment of these parks by the citizenry.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	125,000	0	0	0	125,000
	Total	0	0	0	0	0	0	125,000	0	0	0	125,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: REC-GROUNDS #360-Kimball Park

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2021	General G.O. Bonds	125,000	Playground equipment replacement
		<u>\$125,000</u>	2021 Subtotal
	TOTAL	<u>\$125,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #361-Hooksett Turnpike Bridge Replacement

I. PROJECT TYPE: Bridges

II. LOCATION: Hooksett Turnpike Bridge over Bela Brook

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Other
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to replace the existing substandard bridge over Bela Brook with a new bridge which complies with contemporary design standards.
This project will be funded through the State Municipal Bridge Aid program (80% state, 20% city).

SERVICE IMPACT: Continue use for public travel.

IMPACT IF NOT FUNDED: If not funded, the bridge could become subject to load limits. In the extreme, the bridge may have to be closed due to deficiencies.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	State	0	0	0	599,200	0	0	0	0	0	0	599,200
General	G.O. Bonds	0	0	0	149,800	0	0	0	0	0	0	149,800
	Total	0	0	0	749,000	0	0	0	0	0	0	749,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #361-Hooksett Turnpike Bridge Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	Other State	599,200	Design and construction of bridge replacement. State share of project is 80%.
	General G.O. Bonds	149,800	Design and construction of bridge replacement. City share of project is 20%.
		\$749,000	2018 Subtotal
	TOTAL	\$749,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #368-Police Department Portable Radios

I. PROJECT TYPE: Public Safety

II. LOCATION: Police

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="text" value="L"/> Safety	<input type="text" value="N/A"/> Facility Cond.	<input type="text" value="L"/> Productivity	
SERVED:	<input checked="" type="checkbox"/> Replace	<input type="text" value="N/A"/> Mandates	<input type="text" value="L"/> Service Def.	<input type="text" value="N/A"/> Tax Base Exp.	<input type="text" value="N/A"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="text" value="H"/> O + M Costs	<input type="text" value="N/A"/> Council Goals	<input type="text" value="M"/> Timeliness	Long-Range Planning
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: In 2002, the Police Department completed the replacement of its radio system to a Motorola Astro Simulcast System. As part of this upgrade portable and mobile radios that were 10 to 15 years old were replaced. The purpose of this project is to establish routine replacement of radios for the Police Department's subscriber units. Radio system upgrades shall include new console and point to point microwave capabilities.

SERVICE IMPACT: Portables and mobile radios should be replaced approximately every ten years in order to ensure reliability of equipment and to minimize risk of unforeseen communications problems which could impact the department's ability to effectively respond to calls for assistance.

IMPACT IF NOT FUNDED: Safety and security of police officers and citizens could be compromised by inconsistent radio communications.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	280,000	250,000	0	0	0	0	0	0	0	530,000
	Total	0	280,000	250,000	0	0	0	0	0	0	0	530,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #368-Police Department Portable Radios

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	280,000	Console and Dispatch Furniture upgrades. 3 position console with specified channels, I/O's and furniture replacement.
		<hr/>	
		\$280,000	2016 Subtotal
2017	General G.O. Bonds	250,000	Point to Point microwave: Police Headquarters to Plausawa and Plausawa to Penacook. VHF Simulcast Voting System.
		<hr/>	
		\$250,000	2017 Subtotal
	TOTAL	<hr/>	
		\$530,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #370-Police Department Ballistic Vest Replacement Program

I. PROJECT TYPE: Public Safety

II. LOCATION: Police

III. PROJECT OBJECTIVES AND BACKGROUND

NEED New Safety Facility Cond. Productivity
 SERVED: Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Long-Range Planning
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: This project is a systematic replacement of Ballistic Vests (bullet proof vests) for the Police Department in accordance with industry standards.

SERVICE IMPACT: Ballistic Vests are on a 5 year replacement program per service standards. It is important to replace vests on a regular basis in order to keep up with latest ballistic technology. Ballistic Vests were last replaced in December 2011. This batch will need to be replaced on or about December 2016.

IMPACT IF NOT FUNDED: Safety for Police Officers will be compromised.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

5

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	75,000	0	0	0	0	75,000	0	0	0	150,000
	Total	0	75,000	0	0	0	0	75,000	0	0	0	150,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	75,000	Replace vests purchased in FY2011.
		\$75,000	2016 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	POLICE - OPERATIONS	#370-Police Department Ballistic Vest Replacement Program	
2021	General G.O. Bonds	75,000	Replace vests purchased in FY2016.
		<u>\$75,000</u>	2021 Subtotal
	TOTAL	<u>\$150,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #372-Water System Pump Station Improvements

I. PROJECT TYPE: Water Treatment

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="L"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="H"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="L"/> Mandates	<input type="checkbox" value="H"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox" value="L"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="M"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	Water
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: This project provides for the planned improvements to the 3 pump stations which are part of the potable water distribution system, as follows:

- Pump Station #3: Penacook Street
- Pump Station #5: Broad Cove Road (at the Contoocook River)
- Pump Station #6: Mountain Road

Phase II of the 2006 Water Master Plan Phase describes the need to boost the pressure and availability in an area north east of Portsmouth Street requiring an additional elevated pressure zone.

SERVICE IMPACT: Planned upgrades to existing stations ensures over all reliability of the water system.

IMPACT IF NOT FUNDED: The ability to effectively and efficiently distribute water to users will be compromised and could result in service disruptions. Service disruptions would not only cause inconvenience but could also result in life / safety issues due to potential inability to supply public and private fire suppression systems.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	G.O. Bonds	300,000	50,000	200,000	0	0	350,000	0	0	0	1,200,000	2,100,000
	Total	300,000	50,000	200,000	0	0	350,000	0	0	0	1,200,000	2,100,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #372-Water System Pump Station Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Water G.O. Bonds	300,000	Replace Pump Station #5 Generator (Broad Cove Road).
		\$300,000	2015 Subtotal
2016	Water G.O. Bonds	50,000	Pump Station # 6 Mountain Road interim motor control center and pump upgrades.
		\$50,000	2016 Subtotal
2017	Water G.O. Bonds	200,000	Penacook Street pump station motor and pump refurbishment, as well as motor control center and variable speed drive upgrades.
		\$200,000	2017 Subtotal
2020	Water G.O. Bonds	350,000	Rebuild Mountain Road pump station. Structural, architectural, and site improvements.
		\$350,000	2020 Subtotal
2024	Water G.O. Bonds	1,200,000	Phase III of the Master Plan recommends a boosted pressure zone north east of Portsmouth Street.
		\$1,200,000	2024 Subtotal
TOTAL		\$2,100,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #375-Fire Department Boats

I. PROJECT TYPE: Public Safety

II. LOCATION: City wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED New Safety Facility Cond. Productivity
 SERVED: Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Systematic replacement of rescue boats located at all Fire Stations throughout the City.

SERVICE IMPACT: Aging water craft is less reliable for water rescues and requires increased maintenance costs.

IMPACT IF NOT FUNDED: Increased threat to health and safety for rescue personnel as well as the general public due to unreliable equipment.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	30,000	0	0	0	0	0	0	30,000	0	60,000
	Total	0	30,000	0	0	0	0	0	0	30,000	0	60,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	30,000	Systematic replacement of fire department boats.
		\$30,000	2016 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	FIRE	#375-Fire Department Boats		
2023	General G.O. Bonds		30,000	Systematic replacement of fire department boats
			\$30,000	2023 Subtotal
	TOTAL		\$60,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #376-Fire Department Hose & Equipment Replacement

I. PROJECT TYPE: Public Safety

II. LOCATION: All Engines, Ladders, Rescue & Tanker

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:

<input type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
<input checked="" type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	
<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Systematic replacement of fire hose and equipment carried on apparatus.

SERVICE IMPACT: Project is intended to fund equipment purchases to replace aging equipment during the equipping of new apparatus placed in service.

IMPACT IF NOT FUNDED: Inability to effectively outfit fire engines with required hose and associated equipment could compromise public safety.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	30,000	0	0	30,000	0	30,000	0	30,000	0	120,000
	Total	0	30,000	0	0	30,000	0	30,000	0	30,000	0	120,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Capital Transfer	30,000	Systematic replacement of fire hose and equipment
		<u>\$30,000</u>	2016 Subtotal

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT:	FIRE	#376-Fire Department Hose & Equipment Replacement		
2019	General	Capital Transfer	30,000	Systematic replacement of fire hose and equipment
			\$30,000	2019 Subtotal
2021	General	Capital Transfer	30,000	Systematic replacement of fire hose and equipment
			\$30,000	2021 Subtotal
2023	General	Capital Transfer	30,000	Systematic replacement of fire hose and equipment
			\$30,000	2023 Subtotal
	TOTAL		\$120,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #380-Neighborhood Safety Improvements

I. PROJECT TYPE: Sidewalks and Streetscapes

II. LOCATION: City-Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs

Facility Cond. Service Def. Council Goals

Productivity Tax Base Exp. Timeliness

City Master Pl. Targeted Neighborhoods

DESCRIPTION: The purpose of this project is to implement pedestrian safety improvements throughout the City in order to improve the livability of our neighborhoods, reduce traffic speeds and enhance pedestrian and vehicular safety.

SERVICE IMPACT: Implemented city-wide, pedestrian safety improvements will reduce neighborhood traffic speeds and reduce the level of staffing commitment to police department traffic enforcement.

IMPACT IF NOT FUNDED: Continued community concern about neighborhood traffic speeds and pedestrian safety. Increased demand for police speed enforcement.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 25

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	40,000	0	0	0	0	0	0	40,000
General	Donations	0	0	0	25,000	0	0	0	0	0	0	25,000
	Total	0	0	0	65,000	0	0	0	0	0	0	65,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #380-Neighborhood Safety Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	General G.O. Bonds	40,000	Design and construction of pedestrian safety improvements along Warren Street and Westbourne Road at Concord High School.
	General Donations	25,000	School District share
		<u>\$65,000</u>	2018 Subtotal
	TOTAL	<u>\$65,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SOLID WASTE #381-Landfill Closure and Maintenance

I. PROJECT TYPE: Solid Waste Management

II. LOCATION: City wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input checked="" type="checkbox"/> M Safety	<input type="checkbox"/> N/A Facility Cond.	<input type="checkbox"/> N/A Productivity	
	<input type="checkbox"/> Replace	<input checked="" type="checkbox"/> H Mandates	<input checked="" type="checkbox"/> H Service Def.	<input type="checkbox"/> N/A Tax Base Exp.	<input type="checkbox"/> N/A City Master Pl.
	<input type="checkbox"/> Rebuild	<input checked="" type="checkbox"/> M O + M Costs	<input type="checkbox"/> N/A Council Goals	<input checked="" type="checkbox"/> H Timeliness	Targeted Neighborhoods
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The purpose of this project is to manage the closure and stewardship of the 10 +/- former landfills within the City. As part of this project, the City shall address environmental and regulatory issues, as well as examine the feasibility of converting some facilities into public recreational resources in order to improve quality of life.

Each site is unique and therefore the management approach for each facility is different. However, all sites are registered, characterized, and remediate in accordance with state and federal regulations.

Opportunities for recreational re-use of these facilities will be evaluated on a case by case basis in conjunction with regulatory agencies in order to properly guide the design and implementation of closure / remedial action plans. As part of this project, the City evaluated of the Old Suncook Road Landfill as a neighborhood park and created a conceptual park plan within the limitations of the site due to the environmental conditions at the property. Subject to availability of funding, said park plan might be incorporated into the final design and construction of a future cap for the Old Suncook Road land fill.

SERVICE IMPACT: By proactively addressing this issue the City will its liability exposure and provide opportunities to develop additional community open space and other recreation resources.

IMPACT IF NOT FUNDED: Environmental liability exposure.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 30

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SOLID WASTE #381-Landfill Closure and Maintenance

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	75,000	100,000	6,700,000	0	0	0	0	0	0	6,875,000
	Total	0	75,000	100,000	6,700,000	0	0	0	0	0	0	6,875,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	75,000	Old Suncook Road Landfill Conceptual Closure and Preliminary Gas Collection Plan.
		<u>\$75,000</u>	2016 Subtotal
2017	General G.O. Bonds	100,000	Old Suncook Road Landfill Recreational Reuse Final plans.
		<u>\$100,000</u>	2017 Subtotal
2018	General G.O. Bonds	6,700,000	Construction of Old Suncook Road Landfill cap and associated recreational improvements. Landfill cap estimated at \$5.7 Million. Recreational Improvements estimated at \$1 Million. Figures are tentative estimates pending final design.
		<u>\$6,700,000</u>	2018 Subtotal
	TOTAL	<u>\$6,875,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #383-New Airport Terminal Building

I. PROJECT TYPE: Airport

II. LOCATION: Airport Road

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input checked="" type="checkbox"/> New	<input type="checkbox"/> M Safety	<input type="checkbox"/> H Facility Cond.	<input type="checkbox"/> M Productivity	
SERVED:	<input checked="" type="checkbox"/> Replace	<input type="checkbox"/> H Mandates	<input type="checkbox"/> H Service Def.	<input type="checkbox"/> M Tax Base Exp.	<input type="checkbox"/> M City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> L O + M Costs	<input type="checkbox"/> H Council Goals	<input type="checkbox"/> M Timeliness	Airport
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: This project entails the construction of a new Terminal building to serve Concord Airport as recommended by the 2006 Airport Master Plan.

The current Airport terminal building was constructed in 1938 and later renovated in 1961. Due to its age, the terminal is plagued with a variety of significant building code violations, structural deficiencies, and inadequate security measures. The age and configuration of the terminal also make it extremely difficult to make the building compliant with the 1990 Americans with Disabilities Act (ADA) without major renovations at significant cost. These issues render the vast majority of the terminal building unusable.

Because of the growing importance of the airport as well as the obsolete condition of the current terminal, the Master Plan strongly recommended the construction of a new 9,000 SF terminal building with expanded parking facilities in the general vicinity of the existing terminal building. The estimated cost of the project is \$2,732,800 (2006 dollars). This cost was comparable to those estimated to renovate the existing building, thereby making new construction very attractive.

An economic impact analysis completed by the City as part of the 2006 Airport Master Plan revealed that Concord Airport contributes \$7.2 million dollars to the local economy in the form of direct, indirect, and induced impacts. The same study also estimated that the Airport supports nearly 1,700 jobs throughout the region. Construction of a new terminal building will help expand use of the Airport, and therefore further bolster the local and regional economy.

SERVICE IMPACT: To prevent further deterioration of facility, operation and safety concerns, continued deficiencies based on projected demand and capacity.

IMPACT IF NOT FUNDED: Inability to grow air traffic at the airport thereby resulting in stagnant revenues and persisting code compliance / life-safety concerns with the current facility.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 1997

PREVIOUS AMOUNT:

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #383-New Airport Terminal Building

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	State	0	0	0	0	0	0	0	0	0	175,000	175,000
Other	Federal	0	0	0	0	0	0	0	0	0	3,150,000	3,150,000
Airport	G.O. Bonds	0	0	0	0	0	0	0	0	0	175,000	175,000
	Total	0	0	0	0	0	0	0	0	0	3,500,000	3,500,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2024	Other Federal	3,150,000	Design and construct new Airport Terminal to improve efficiency and code compliance. Preliminary estimate only. FAA's 90% of total cost of \$3,500,000.
	Other State	175,000	State's 5 % of total cost of \$3,500,000.
	Airport G.O. Bonds	175,000	City's 5 % of total cost of \$3,500,000.
		<u>\$3,500,000</u>	2024 Subtotal
	TOTAL	<u>\$3,500,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #403-Parking Division Vehicle Replacement Program

I. PROJECT TYPE: Parking

II. LOCATION: Replacement Vehicle for Parking Enforcement and Meter Tech

III. PROJECT OBJECTIVES AND BACKGROUND

NEED New Safety Facility Cond. Productivity
 SERVED: Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Motor Vehicle Equipment
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: This project provides funding for routine replacement of Parking Division vehicles.

SERVICE IMPACT: Routine replacement insures that the Division will have reliable vehicles for enforcement efforts, as well as maintenance of meters and kiosks.

IMPACT IF NOT FUNDED: Vehicle repairs are becoming more frequent due to wear and tear. Chronic vehicle break downs will result in inefficient operation of the Parking System, including loss revenues due to inability to conduct daily enforcement operations more remote areas of the City.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Parking	Capital Transfer	0	0	0	0	0	40,000	40,000	0	0	0	80,000
	Total	0	0	0	0	0	40,000	40,000	0	0	0	80,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2020	Parking Capital Transfer	40,000	Replace Parking Jeep.
		<u>\$40,000</u>	2020 Subtotal

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT:	POLICE - OPERATIONS	#403-Parking Division Vehicle Replacement Program	
2021	Parking Capital Transfer	40,000	Replacement of service/ maintenance vehicle.
		\$40,000	2021 Subtotal
	TOTAL	\$80,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #407-City Wide Roof Rehabilitation

I. PROJECT TYPE: Public Buildings

II. LOCATION: City Wide; General Fund Buildings Only.

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox" value="N/A"/> Mandates	<input type="checkbox" value="N/A"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="N/A"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="L"/> Timeliness	Public Facilities
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Repair or replace existing roofing systems for all municipal buildings. Roofs in varying degrees of condition have approached useful life cycle.

SERVICE IMPACT: Coordinated and prioritized renovation, restoration, and major maintenance will improve energy efficiency of building as well as reduce the possibility of major structural repairs due to water damage.

IMPACT IF NOT FUNDED: Potential damage to interior facility and equipment resulting in added cost to remedy issues in the future.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	50,000	52,000	54,000	56,300	58,500	60,800	63,300	65,800	68,400	529,100
	Total	0	50,000	52,000	54,000	56,300	58,500	60,800	63,300	65,800	68,400	529,100

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	50,000	Placeholder for roof maintenance / replacement. Location to be determined.
		<u>\$50,000</u>	2016 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#407-City Wide Roof Rehabilitation		
2017	General G.O. Bonds	52,000		Placeholder for roof maintenance / replacement. Location to be determined.
		\$52,000	2017 Subtotal	
2018	General G.O. Bonds	54,000		Placeholder for roof maintenance / replacement. Location to be determined.
		\$54,000	2018 Subtotal	
2019	General G.O. Bonds	56,300		Placeholder for roof maintenance / replacement. Location to be determined.
		\$56,300	2019 Subtotal	
2020	General G.O. Bonds	58,500		Placeholder for roof maintenance / replacement. Location to be determined.
		\$58,500	2020 Subtotal	
2021	General G.O. Bonds	60,800		Placeholder for roof maintenance / replacement. Location to be determined.
		\$60,800	2021 Subtotal	
2022	General G.O. Bonds	63,300		Placeholder for roof maintenance / replacement. Location to be determined.
		\$63,300	2022 Subtotal	
2023	General G.O. Bonds	65,800		Placeholder for roof maintenance / replacement. Location to be determined.
		\$65,800	2023 Subtotal	
2024	General G.O. Bonds	68,400		Placeholder for roof maintenance / replacement. Location to be determined.
		\$68,400	2024 Subtotal	
	TOTAL	\$529,100		

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #408-East Concord Community Center

I. PROJECT TYPE: Public Buildings

II. LOCATION: East Concord Community Center

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Public Facilities
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to establish a routine maintenance schedule for the East Concord Community Center.

In January 2011, the City accepted the City-wide Multi-generational Community Center report (CIP 443). That report recommended closure of the East Concord Community Center in conjunction with the construction of the new city-wide facility. Therefore, projects contained within this CIP will only be implemented in the event CIP 443 does not proceed.

SERVICE IMPACT: Routine maintenance will allow the City to provide a safe, functional facility to serve the community.

IMPACT IF NOT FUNDED: Potential loss of revenues due to closure of the facility.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	3,500	13,000	5,000	0	0	0	0	0	0	0	21,500
General	G.O. Bonds	0	0	40,000	30,000	0	0	0	0	0	0	70,000
	Total	3,500	13,000	45,000	30,000	0	0	0	0	0	0	91,500

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #408-East Concord Community Center

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Transfer	3,500	Repair sprinkler deficiencies discovered in annual inspection.
		\$3,500	2015 Subtotal
2016	General Capital Transfer	8,000	Bell tower repairs, exterminator and window enclosures. Subject to CIP 443 City-wide Multi-generational Community Center project.
	General Capital Transfer	5,000	Exterior trim repairs and paint. Replace back stairs and landing. Subject to CIP 443 City-wide Multi-generational Community Center project.
		\$13,000	2016 Subtotal
2017	General G.O. Bonds	40,000	Refurbishment / replacement of fire escape system. Subject to CIP 443 City-wide Multi-generational Community Center project.
	General Capital Transfer	5,000	Sprinkler Alarms. Subject to CIP 443 City-wide Multi-generational Community Center project.
		\$45,000	2017 Subtotal
2018	General G.O. Bonds	30,000	Paint interior, refresh carpet and tile floors. Subject to CIP 443 City-wide Multi-generational Community Center project.
		\$30,000	2018 Subtotal
	TOTAL	\$91,500	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #410-Sewer Video Inspection Equipment

I. PROJECT TYPE: Sewer Collection

II. LOCATION:

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="text" value="N/A"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="text" value="L"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="text" value="N/A"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="text" value="N/A"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Sewer
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Sewer inspection TV Video unit has been extensively used to investigate the City infrastructure. The main-line television camera unit is specifically designed for inspection of sanitary and storm sewers. This unit helps locate services and problem areas to set-up a maintenance schedule and capital improvement projects.

SERVICE IMPACT: This equipment serves as a valuable tool to help get real time information about the condition of sewer pipes throughout the City, thereby allowing staff to more efficiently plan repairs and replacement of pipe as needed.

IMPACT IF NOT FUNDED: The City will need to rely upon antiquated equipment which is more susceptible to failure.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 15 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Sewer	G.O. Bonds	0	0	0	0	0	0	0	80,000	0	0	80,000
Sewer	Capital Transfer	0	0	0	0	15,000	0	0	0	0	20,000	35,000
	Total	0	0	0	0	15,000	0	0	80,000	0	20,000	115,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #410-Sewer Video Inspection Equipment

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2019	Sewer Capital Transfer	15,000	Replace lateral service line inspection camera, hardware and software.
		\$15,000	2019 Subtotal
2022	Sewer G.O. Bonds	80,000	Replace mainline and service line inspection camera, hardware and software.
		\$80,000	2022 Subtotal
2024	Sewer Capital Transfer	20,000	Replace lateral service line inspection camera, hardware and software.
		\$20,000	2024 Subtotal
	TOTAL	\$115,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SOLID WASTE #411-Solid Waste Improvements

I. PROJECT TYPE: Solid Waste Management

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs

Facility Cond. Service Def. Council Goals

Productivity Tax Base Exp. Timeliness

City Master Pl. Long-Range Planning

DESCRIPTION: The purpose of this project is to periodically update the Solid Waste Master Plan, and implement recommendations associated therewith. The current master plan was enacted in 2005.

SERVICE IMPACT: Periodically updating the Solid Waste Master Plan, and implementing recommendations associated therewith, ensures the City will enact a comprehensive, coordinated, and efficient strategy for management of solid waste.

IMPACT IF NOT FUNDED: Lack of short and long-term planning will result inefficient management of solid waste, which could result in increased costs for the community.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 15 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Solid Waste	Capital Transfer	0	0	0	25,000	0	0	0	0	0	0	25,000
	Total	0	0	0	25,000	0	0	0	0	0	0	25,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: GS-SOLID WASTE #411-Solid Waste Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	Solid Waste Capital Transfer	25,000	Placeholder for Solid Waster Master Plan update.
		<u>\$25,000</u>	2018 Subtotal
	TOTAL	<u>\$25,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #432-Firehouse Block Parking Garage

I. PROJECT TYPE: Parking

II. LOCATION: Firehouse Parking Garage

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New H Safety M Facility Cond. N/A Productivity
 Replace N/A Mandates L Service Def. N/A Tax Base Exp. N/A City Master Pl.
 Rebuild H O + M Costs N/A Council Goals H Timeliness Parking
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to provide funding for routine repairs and refurbishment of the Firehouse Block Parking Garage.

SERVICE IMPACT: Routine investment by the City will ensure the facility's long-term viability (both structurally and economically), improve safety and convenience for users, as well as support economic development efforts in downtown.

IMPACT IF NOT FUNDED: Deferred maintenance could render all or a portion of either garage unusable. This would result in a loss of revenue for the Parking Fund, as well as reduction in the supply of parking spaces downtown merchants, thereby potentially having a negative effect on nearby businesses. Continued deterioration of the facility will likely result in more costly and substantial repairs. In addition, failure to properly maintain the structure could, in the extreme, potentially require the City to close the facility due to safety concerns.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Parking	Capital Transfer	0	50,000	0	0	0	0	60,000	0	0	0	110,000
	Total	0	50,000	0	0	0	0	60,000	0	0	0	110,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	Parking Capital Transfer	50,000	Deck membrane refurbishment.
		\$50,000	2016 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	POLICE - OPERATIONS	#432-Firehouse Block Parking Garage	
2021	Parking Capital Transfer	60,000	Routine deck maintenance and repairs.
		<u>\$60,000</u>	2021 Subtotal
	TOTAL	<u>\$110,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #433-Durgin Block Parking Garage

I. PROJECT TYPE: Parking

II. LOCATION: Durgin Block Parking Garage

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="H"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox" value="N/A"/> Mandates	<input type="checkbox" value="L"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="N/A"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="H"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="H"/> Timeliness	Parking
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION:

SERVICE IMPACT: Routine investment by the City will ensure the facility's long-term viability (both structurally and economically), improve safety and convenience for users, as well as support economic development efforts in downtown.

IMPACT IF NOT FUNDED: Deferred maintenance could render all or a portion of either garage unusable. This would result in a loss of revenue for the Parking Fund, as well as reduction in the supply of parking spaces downtown merchants, thereby potentially having a negative effect on nearby businesses. Continued deterioration of the facility will likely result in more costly and substantial repairs. In addition, failure to properly maintain the structure could, in the extreme, potentially require the City to close the facility due to safety concerns.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Parking	Capital Transfer	0	0	0	0	0	0	60,000	0	0	0	60,000
Parking	G.O. Bonds	0	2,150,000	0	0	0	0	0	0	0	0	2,150,000
	Total	0	2,150,000	0	0	0	0	60,000	0	0	0	2,210,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #433-Durgin Block Parking Garage

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	Parking G.O. Bonds	2,150,000	Phase II repairs to structural steel and concrete deck, including membrane replacement as recommended by inspections completed in FY2012-2013 by the HL Turner Group. Phase I was funded in FY2013 (\$1.4 million). The work includes, but is not limited to, repairs to structural steel, waterproofing, repair of expansion joints, as well as drainage improvements.
		\$2,150,000	2016 Subtotal
2021	Parking Capital Transfer	60,000	Placeholder: Routine deck maintenance and repairs.
		\$60,000	2021 Subtotal
	TOTAL	\$2,210,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #435-Neighborhood Traffic Improvements

I. PROJECT TYPE: Street Corridor Improvements

II. LOCATION: City wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness

City Master Pl. Targeted Neighborhoods

DESCRIPTION: In conjunction with the City's Transportation Policy Advisory Committee and the Neighborhood Traffic Program, this project is designed to investigate neighborhood traffic concerns, traffic calming and traffic capacity issues and develop an implementation strategy which will result in improved quality of life in residential neighborhoods. The program will investigate arterial/collector roadway capacity in conjunction with traffic calming on local streets in an effort to prioritize the reduction in cut-through traffic on local streets by identifying and improving the operations of collector/arterial roadways, neighborhood by neighborhood.

SERVICE IMPACT: Project will provide a thorough investigation of traffic impacts in defined neighborhood areas to design a transportation system that will encourage traffic to use arterial/collector roadways appropriately thereby reducing cut-through traffic on local streets. When this is accomplished less cut-through traffic will use local streets and the quality of life in the neighborhoods will be improved.

IMPACT IF NOT FUNDED: There will continue to be cut through traffic on local streets and safety of neighborhoods will be compromised. If this comprehensive approach is not implemented, improving operations of arterials and collector roadways, any traffic calming measures implemented may be much less effective.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Highway Reserve	0	0	0	0	25,000	0	0	25,000	0	0	50,000
	Total	0	0	0	0	25,000	0	0	25,000	0	0	50,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #435-Neighborhood Traffic Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2019	General Highway Reserve	25,000	Detailed traffic engineering analysis and implementation of minor improvements in support of the Neighborhood Traffic Program specifically targeted to address neighborhood traffic concerns, traffic calming, traffic operations and capacity issues which will result in improved quality of life in neighborhoods throughout Concord. Specific neighborhoods will be determined by recommendations of TPAC.
		\$25,000	2019 Subtotal
2022	General Highway Reserve	25,000	Detailed traffic engineering analysis and implementation of minor improvements in support of the Neighborhood Traffic Program specifically targeted to address neighborhood traffic concerns, traffic calming, traffic operations and capacity issues which will result in improved quality of life in neighborhoods throughout Concord. Specific neighborhoods will be determined by recommendations of TPAC.
		\$25,000	2022 Subtotal
	TOTAL	\$50,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CITY MANAGER /OPERATION #443-City-Wide Community Center

I. PROJECT TYPE: Public Buildings

II. LOCATION: Canterbury Road (Former Dame School Site)

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="checkbox"/> N/A Safety	<input type="checkbox"/> H Facility Cond.	<input type="checkbox"/> L Productivity	
SERVED:	<input checked="" type="checkbox"/> Replace	<input type="checkbox"/> N/A Mandates	<input type="checkbox"/> H Service Def.	<input type="checkbox"/> N/A Tax Base Exp.	<input type="checkbox"/> L City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> H O + M Costs	<input type="checkbox"/> N/A Council Goals	<input type="checkbox"/> N/A Timeliness	Public Facilities
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: In July 2004, the City completed a Master Plan for the construction of a new Heights Community Center. The purpose of this effort was to identify a strategy to either expand or replace the existing Heights Community Center, a small 4,900 SF concrete block building adjacent to Dame School constructed in the 1970s. The study was also aimed at identifying service deficiencies in the City's existing community center system.

Based upon the recommendations of this Study, the City acquired a residence at #28 Canterbury Road in August 2004 for \$290,000 in order to provide land to help site a new Heights Community Center.

Since the completion of the 2004 Study, the underlying concept for this project has grown from a "neighborhood" center for the Heights to a "city-wide multigenerational" community center.

In FY2011, the City completed a four-part supplemental study which (1) determined the current needs of the existing community centers and the cost to implement improvements, (2) a business plan / pro formas for a new "city-wide" facility, (3) confirmed that the community desired two core facilities: one a Keach Park and the other on the west side of the Merrimack River, and (4) provided for a working conceptual design of a new-city wide community at the former Dame School property on Canterbury Road adjacent to Keach Park. A final report was presented to the City Council and adopted in January 2011. This project is intended to implement the recommendations of the January 2011 report. The City subsequently acquired the former Dame School property from the Concord School District in March 2013.

In accordance with the January 2011 report, current recreational activities hosted at the East Concord and West Street Ward House will be consolidated and relocated to the new facility. West Street will be retained by the City, however the City will divest of the East Concord Community Center. The Green Street Community Center will remain open until such time as options for a second city-wide multi-generational facility on the west side of the Merrimack River become available.

Should this project go forward, it is anticipated that the City would partner with other agencies and community organizations to help defray capital and operating costs for the facility.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CITY MANAGER /OPERATION #443-City-Wide Community Center

SERVICE IMPACT: Improved customer service, recreational opportunities, and quality of life for all residents. Increased operational and maintenance costs will be incurred as a result of this project.

IMPACT IF NOT FUNDED: Improved recreational services for the entire community. In addition, the City might be required to make significant investments in the former Dame School property in order to keep the "interim" community center viable.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 50 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Solid Waste	Capital Close-out	80,000	0	0	0	0	0	0	0	0	0	80,000
General	Impact Fees Rec Dist 2	10,635	0	0	0	0	0	0	0	0	0	10,635
General	Impact Fees Rec Dist 1	60,110	0	0	0	0	0	0	0	0	0	60,110
General	G.O. Bonds	480,000	10,275,000	0	0	0	0	0	0	0	0	10,755,000
General	Impact Fees Rec Dist 4	4,662	0	0	0	0	0	0	0	0	0	4,662
General	Impact Fees Rec Dist 3	16,323	0	0	0	0	0	0	0	0	0	16,323
General	Donations	0	1,125,000	0	0	0	0	0	0	0	0	1,125,000
	Total	651,730	11,400,000	0	0	0	0	0	0	0	0	12,051,730

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	480,000	Final design of a new City Wide Community Center, including bid specifications.
	Solid Waste Capital Close-out	80,000	Closeout Share. Solid Waste fund debt service to be assumed by the General Fund.
	General Impact Fees Rec Dist 1	60,110	Final design.
	General Impact Fees Rec Dist 3	16,323	Final design.
	General Impact Fees Rec Dist 2	10,635	Final design.
	General Impact Fees Rec Dist 4	4,662	Final design.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CITY MANAGER /OPERATION	#443-City-Wide Community Center	
		\$651,730	2015 Subtotal
2016	General G.O. Bonds	10,125,000	Construction - G.O. Bond Share.
	General Donations	1,125,000	Construction - donation share.
	General G.O. Bonds	150,000	Construction administration.
		\$11,400,000	2016 Subtotal
	TOTAL	\$12,051,730	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SOLID WASTE #447-Landfill Condensation Remediation

I. PROJECT TYPE: Solid Waste Management

II. LOCATION: Old Turnpike Road Landfill

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Other
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The Old Turnpike Road Landfill was closed in 1992. As a part of the closure a methane gas collection and extraction system was installed. Old Suncook Road landfill has been monitored since 2000, the soil vapor extraction system will require replacement.

SERVICE IMPACT: These funds will provide for system rehabilitation. Continued operation in it's present condition will require escalating manpower to maintain proper operation of the old equipment.

IMPACT IF NOT FUNDED: Potential equipment failure could cause the City to be in violation of the closure permit for failure to maintain the equipment as well as for potential violations related to gas migration from the site.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Solid Waste	Capital Transfer	0	20,000	20,000	0	0	0	0	0	0	0	40,000
	Total	0	20,000	20,000	0	0	0	0	0	0	0	40,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SOLID WASTE #447-Landfill Condensation Remediation

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	Solid Waste Capital Transfer	20,000	Placeholder for rehabilitation of blower system and wells at Old Suncook Road Landfill. Costs to be refined as project approaches.
		\$20,000	2016 Subtotal
2017	Solid Waste Capital Transfer	20,000	Placeholder for rehabilitation of blower system and wells at Old Turnpike Road Landfill. Costs to be refined as project approaches.
		\$20,000	2017 Subtotal
	TOTAL	\$40,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-HIGHWAY / UTILITIES #448-Hydrant and Valve Replacement Program

I. PROJECT TYPE: Water Distribution System

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New M Safety H Facility Cond. L Productivity
 Replace L Mandates M Service Def. N/A Tax Base Exp. L City Master Pl.
 Rebuild N/A O + M Costs L Council Goals M Timeliness Water
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Provides for the installation and replacement of hydrants and valves necessary to maintain fire protection and serviceability of the water infrastructure.

SERVICE IMPACT: Establishes long range replacement plan that improves service with more reliable infrastructure, lower costs due to planned maintenance support.

IMPACT IF NOT FUNDED: Deterioration will accelerate to total failure requiring more costly resolution. Service interruptions and inability to support the fire protection mandate.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 25 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	Capital Outlay	56,000	57,000	61,000	63,000	63,000	63,000	65,000	68,000	72,000	77,000	645,000
	Total	56,000	57,000	61,000	63,000	63,000	63,000	65,000	68,000	72,000	77,000	645,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Water Capital Outlay	30,000	Hydrant replacement.
	Water Capital Outlay	26,000	Valve replacement.
		<u>\$56,000</u>	2015 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-HIGHWAY / UTILITIES #448-Hydrant and Valve Replacement Program

2016	Water Capital Outlay	30,000	Valve replacement.
	Water Capital Outlay	27,000	Hydrant replacement.
		\$57,000	2016 Subtotal
2017	Water Capital Outlay	31,000	Hydrant replacement.
	Water Capital Outlay	30,000	Valve replacement.
		\$61,000	2017 Subtotal
2018	Water Capital Outlay	33,000	Hydrant replacement.
	Water Capital Outlay	30,000	Valve replacement.
		\$63,000	2018 Subtotal
2019	Water Capital Outlay	33,000	Hydrant replacement.
	Water Capital Outlay	30,000	Valve replacement.
		\$63,000	2019 Subtotal
2020	Water Capital Outlay	33,000	Hydrant replacement.
	Water Capital Outlay	30,000	Valve replacement.
		\$63,000	2020 Subtotal
2021	Water Capital Outlay	33,000	Hydrant replacement.
	Water Capital Outlay	32,000	Valve replacement.
		\$65,000	2021 Subtotal
2022	Water Capital Outlay	35,000	Hydrant replacement.
	Water Capital Outlay	33,000	Valve replacement.
		\$68,000	2022 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#448-Hydrant and Valve Replacement Program	
2023	Water Capital Outlay	37,000	Hydrant replacement.
	Water Capital Outlay	35,000	Valve replacement.
		<hr/>	
		\$72,000	2023 Subtotal
2024	Water Capital Outlay	40,000	Hydrant replacement.
	Water Capital Outlay	37,000	Valve replacement.
		<hr/>	
		\$77,000	2024 Subtotal
		<hr/>	
TOTAL		\$645,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #451-Leak Detection

I. PROJECT TYPE: Water Distribution System

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs

Facility Cond. Service Def. Council Goals

Productivity Tax Base Exp. Timeliness

City Master Pl. Water

DESCRIPTION: This will provide for the capital cost of purchasing data loggers. Data loggers are placed on water main valves for a period of time to record the sound of the water flowing through the pipe. The stored data is then uploaded to into a computer. The accompanying software can make a distinction between water flowing within a compromised water main versus an intact pipe.

SERVICE IMPACT: This will help insure the utility minimizes water loss in the system.

IMPACT IF NOT FUNDED: Less efficient detection of leaks will result in higher operations costs.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 5 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	G.O. Bonds	0	0	30,000	0	0	0	50,000	0	0	0	80,000
	Total	0	0	30,000	0	0	0	50,000	0	0	0	80,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: GS-WATER #451-Leak Detection

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	Water G.O. Bonds	30,000	Replace leak detection equipment.
		<u>\$30,000</u>	2017 Subtotal
2021	Water G.O. Bonds	50,000	Replace leak detection equipment. Anticipate advancements in new technology.
		<u>\$50,000</u>	2021 Subtotal
	TOTAL	<u>\$80,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #466-Penacook Waste Water Treatment Plant Improvements

I. PROJECT TYPE: Sewer Treatment

II. LOCATION: Penacook WWTP

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New M Safety H Facility Cond. L Productivity
 Replace L Mandates M Service Def. N/A Tax Base Exp. N/A City Master Pl.
 Rebuild L O + M Costs N/A Council Goals M Timeliness Sewer
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The Penacook Waste Water Treatment Plant has been in operation since 1974 with a major process upgrade completed in 2005. The projects described herein are a series of improvements, upgrades and refurbishments of existing infrastructure.

SERVICE IMPACT: Provides planned upgrade and renovation of existing infrastructure to provide short-term and long-term reliability, as well as to bring the facility into compliance with various codes and regulations which have been enacted since the facility was first put into service.

IMPACT IF NOT FUNDED: Potential for increased operating and maintenance costs over time; increased potential for costly emergency repairs; potential for citations or fines for failure to meet life safety or building code deficiencies.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 15 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Sewer	Capital Transfer	0	10,000	0	0	0	0	0	0	0	0	10,000
Sewer	G.O. Bonds	85,000	615,000	380,000	994,000	185,000	550,000	0	655,000	500,000	165,000	4,129,000
	Total	85,000	625,000	380,000	994,000	185,000	550,000	0	655,000	500,000	165,000	4,139,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #466-Penacook Waste Water Treatment Plant Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Sewer G.O. Bonds	85,000	Building systems improvements - design engineering services for electrical distribution system upgrade and facility fire alarm system.
		\$85,000	2015 Subtotal
2016	Sewer G.O. Bonds	465,000	Building systems improvements - construction of electrical distribution system improvements designed in FY15.
	Sewer G.O. Bonds	100,000	Equipment/process improvements - upgrade SCADA system software to coincide with IT planned replacement of SCADA hardware.
	Sewer G.O. Bonds	50,000	Building systems improvements - UST replacement.
	Sewer Capital Transfer	10,000	Building systems improvements - replace roof mounted standby generator muffler.
		\$625,000	2016 Subtotal
2017	Sewer G.O. Bonds	250,000	Building/structural improvements - roof replacement.
	Sewer G.O. Bonds	130,000	Equipment/process improvements - design engineering for grit removal system and storm flow storage control improvements.
		\$380,000	2017 Subtotal
2018	Sewer G.O. Bonds	785,000	Equipment/process improvements - construction engineering and construction of improvements designed in FY16.
	Sewer G.O. Bonds	144,000	Building systems improvements - HVAC improvements.
	Sewer G.O. Bonds	40,000	Equipment/process improvements - Boscawen metering station flow metering system upgrade.
	Sewer G.O. Bonds	25,000	Equipment/process improvements - SBR motive pump rebuild.
		\$994,000	2018 Subtotal
2019	Sewer G.O. Bonds	110,000	Equipment/process improvements - sludge transfer pump replacement.
	Sewer G.O. Bonds	50,000	Site/security improvements - allowance for necessary pavement repairs.
	Sewer G.O. Bonds	25,000	Equipment/process improvements - SBR motive pump rebuild.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#466-Penacook Waste Water Treatment Plant Improvements		
			\$185,000	2019 Subtotal
2020	Sewer G.O. Bonds		450,000	Building systems improvements - replace MCC's in PS 1, PS 2, and control building.
	Sewer G.O. Bonds		100,000	Equipment/process improvements - algae control system.
			\$550,000	2020 Subtotal
2022	Sewer G.O. Bonds		525,000	Equipment/process improvements - influent screw pump replacement.
	Sewer G.O. Bonds		110,000	Equipment/process improvements - plant water pump system replacement.
	Sewer G.O. Bonds		20,000	Building systems improvements - plumbing upgrades.
			\$655,000	2022 Subtotal
2023	Sewer G.O. Bonds		500,000	Building/structural improvements - allowance for necessary concrete/structural repairs.
			\$500,000	2023 Subtotal
2024	Sewer G.O. Bonds		50,000	Building/structural improvements - renovation of interior finishes.
	Sewer G.O. Bonds		50,000	Equipment/process improvements - chlorine contact tank gate replacement.
	Sewer G.O. Bonds		35,000	Equipment/process improvements - EQ tank drain pump replacement.
	Sewer G.O. Bonds		30,000	Building systems improvements - lighting system upgrades.
			\$165,000	2024 Subtotal
	TOTAL		\$4,139,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #468-Reconstruct Taxiway A, Itinerant Ramp, and Wildlife Hazard Assessment

I. PROJECT TYPE: Airport

II. LOCATION: Concord Municipal Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> N/A Council Goals	<input type="checkbox"/> Timeliness	Airport
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Reconstruct existing Taxiway A in order to support continued operation of Runway 17/35.

Construct an Itinerant Ramp to accommodate larger aircraft. In 2004, Runway 12/30 was reconstructed and reduced in width from 150 feet to 75 feet to comply with current FAA regulations. Large corporate aircrafts (DC 9 and 727's) can no longer taxi on the reduced runway. All improvements are recommended within the 2006 Airport Master Plan.

Project also includes completion of a Wildlife Hazard Assessment as recommended by Federal Aviation Administration (FAA).

SERVICE IMPACT: Project will improve safety for aircraft during take off and landing cycles as well as help reduce maintenance expenses. Improvements will also help the airport accommodate larger corporate aircraft (a key goal of the 2006 Airport Master Plan).

IMPACT IF NOT FUNDED: Existing safety concerns regarding aircraft back taxiing on the active runway will persist, thereby potentially jeopardizing future Federal grant funds for airport improvements. In addition, the airport will not be able to easily accommodate larger corporate aircraft, thus hindering economic development goals.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #468-Reconstruct Taxiway A, Itinerant Ramp, and Wildlife Hazard Assessment

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Airport	G.O. Bonds	0	125,000	100,000	0	0	0	0	0	0	0	225,000
Airport	Capital Transfer	25,000	0	0	0	8,334	8,556	0	0	0	0	41,890
Other	State	25,000*	125,000	0	0	8,334	55,556	0	0	0	0	213,890
Other	Federal	450,000*	2,250,000	3,600,000	0	150,000	1,000,000	0	0	0	0	7,450,000
	Total	500,000	2,500,000	3,700,000	0	166,668	1,064,112	0	0	0	0	7,930,780

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Other Federal	450,000	Design the rehabilitation of Taxiway A including lighting, run up pad, and existing Itinerant Ramp to support larger aircraft. Complete Wildlife Hazard Assessment. Federal portion.
	Airport Capital Transfer	25,000	
	Other State	25,000	
		<u>\$500,000</u>	2015 Subtotal
2016	Other Federal	2,250,000	Rehabilitate and light Taxiway A-south. Federal portion.
	Airport G.O. Bonds	125,000	
	Other State	125,000	
		<u>\$2,500,000</u>	2016 Subtotal
2017	Other Federal	1,800,000	Rehabilitate Taxiway A North and existing itinerant apron. Federal portion.
	Other Federal	1,800,000	
	Airport G.O. Bonds	100,000	
		<u>\$3,700,000</u>	2017 Subtotal
2019	Other Federal	150,000	Design the expansion of the Itinerant Ramp to the north to accommodate larger aircraft. Federal portion.
	Airport Capital Transfer	8,334	
	Other State	8,334	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#468-Reconstruct Taxiway A, Itinerant Ramp, and Wildlife Hazard Assessment		
		\$166,668		2019 Subtotal
2020	Other Federal	1,000,000	Construct the expansion of the Itinerant Ramp to the north to accommodate larger aircraft.. Federal portio	
	Other State	55,556	State portion.	
	Airport Capital Transfer	8,556	City portion.	
		\$1,064,112		2020 Subtotal
	TOTAL	\$7,930,780		

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #471-Airport Fuel Farm

I. PROJECT TYPE: Airport

II. LOCATION: Concord Municipal Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="L"/> Safety	<input type="checkbox" value="L"/> Facility Cond.	<input type="checkbox" value="M"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="M"/> Mandates	<input type="checkbox" value="M"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="H"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox" value="L"/> O + M Costs	<input type="checkbox" value="L"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	Airport
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Replace existing fuel farm to comply with anticipated Federal Aviation Administration (FAA) regulations and user growth.

SERVICE IMPACT: Achieve FAA compliance requirements and improved customer service. Also, installation of new equipment will further safe guard the environment and reduce possibility of petroleum contamination resulting from older equipment.

IMPACT IF NOT FUNDED: Inefficient fuel farm to service customers; potential environmental and safety liabilities from deteriorated fuel farm equipment.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Airport	Capital Transfer	0	0	0	0	0	0	0	27,778	0	0	27,778
Other	Federal	0	0	0	0	0	0	0	500,000	0	0	500,000
Other	State	0	0	0	0	0	0	0	27,778	0	0	27,778
	Total	0	0	0	0	0	0	0	555,556	0	0	555,556

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #471-Airport Fuel Farm

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2022	Other Federal	500,000	Expand Fuel Farm due to increased activity at the airport.
	Airport Capital Transfer	27,778	Expand Fuel Farm due to increased activity at the airport. City share.
	Other State	27,778	State portion.
		<hr/>	
		\$555,556	2022 Subtotal
		<hr/>	
	TOTAL	\$555,556	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: LIBRARY #477-Library Equipment Replacement

I. PROJECT TYPE: Information Technology & Communications

II. LOCATION: Concord Public Library, 45 Green Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New M Safety M Facility Cond. L Productivity
 Replace N/A Mandates L Service Def. N/A Tax Base Exp. L City Master Pl.
 Rebuild N/A O + M Costs N/A Council Goals L Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The Concord Public Library utilizes certain equipment in the delivery of its services to the community that requires periodic replacement. This includes the server for the library automation system, self-check units, the security gate, and microfilm reader/printers. This project may be delayed or cancelled in whole or in part pending progress on development of a new public library in downtown Concord as outlined in CIP # 68.

SERVICE IMPACT: Replacement equipment allows the Concord Public Library to maintain current services provided to the community.

IMPACT IF NOT FUNDED: Services to the community will be compromised by older equipment.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 5 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	25,000	25,000	0	10,000	0	25,000	0	60,000	0	145,000
	Total	0	25,000	25,000	0	10,000	0	25,000	0	60,000	0	145,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: LIBRARY #477-Library Equipment Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Capital Transfer	25,000	Replace main floor self-check unit purchased in 2006.
		<u>\$25,000</u>	2016 Subtotal
2017	General Capital Transfer	25,000	Replace Library automation server purchased in FY2013.
		<u>\$25,000</u>	2017 Subtotal
2019	General Capital Transfer	10,000	Microfilm Reader/Printer Replacement (1 workstation).
		<u>\$10,000</u>	2019 Subtotal
2021	General Capital Transfer	25,000	Replace Library automation server replacement purchased in FY2017.
		<u>\$25,000</u>	2021 Subtotal
2023	General Capital Transfer	25,000	Replace main floor service desk.
	General Capital Transfer	25,000	Replace Children's Room self-check unit purchased in 2011.
	General Capital Transfer	10,000	Purchase e-commerce kiosk & software to facilitate payment of fines and fees by credit card with our library automation system onsite or remotely.
		<u>\$60,000</u>	2023 Subtotal
	TOTAL	<u>\$145,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #478-North Pembroke Road Bridge Replacement

I. PROJECT TYPE: Bridges

II. LOCATION: North Pembroke Road over Soucook River

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Other

DESCRIPTION: The purpose of this project is to replace the existing substandard bridge on North Pembroke Road over the Soucook River. A combination of damage and fatigue led to its recent closure. The present deck and superstructure is rated in poor condition due to structurally deficient components and will require interim structural repairs prior to replacement. This bridge is municipally owned by both Concord and Pembroke and is on the State's "Red List" of deficient bridges.

This project including both repairs and replacement will be funded through the State Municipal Bridge Aid Program (80% State, 20% Local Share)

SERVICE IMPACT: Continue use for public travel.

IMPACT IF NOT FUNDED: Unmet legal requirements. Restricted capacity on bridge structure or full bridge closure. Increased threat to public health and safety. Disruption of regional traffic patterns would occur from temporary or permanent closure.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2007 PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	State	0	0	608,800	0	0	0	0	0	0	0	608,800
General	Donations	0	0	114,150	0	0	0	0	0	0	0	114,150
General	Highway Reserve	0	0	38,050	0	0	0	0	0	0	0	38,050
	Total	0	0	761,000	0	0	0	0	0	0	0	761,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #478-North Pembroke Road Bridge Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	Other State	608,800	Design and construction of permanent bridge repairs. \$761,000 (State share 80% of total project costs through the Municipal Bridge Aid Program)
	General Donations	114,150	Town of Pembroke share of design and construction of permanent bridge repairs. (Local share of 20% is split by Concord and Pembroke)
	General Highway Reserve	38,050	City of Concord share of design and construction of permanent bridge repairs. (Local share of 20% is split by Concord and Pembroke)
		\$761,000	2017 Subtotal
	TOTAL	\$761,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #479-Storm Water Enterprise Mechanism

I. PROJECT TYPE: Storm Sewer

II. LOCATION: City-wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> L Safety	<input type="checkbox"/> H Facility Cond.	<input type="checkbox"/> H Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox"/> M Mandates	<input type="checkbox"/> H Service Def.	<input type="checkbox"/> L Tax Base Exp.	<input type="checkbox"/> N/A City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> H O + M Costs	<input type="checkbox"/> H Council Goals	<input type="checkbox"/> H Timeliness	Other
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: A City-wide engineering master plan/study of existing storm drainage facilities has been completed and received final approval by staff and City Council in 2007. The study includes a comprehensive field assessment of existing conditions and the mapping of the entire drainage system/drainage areas in the City's G system. Results of the study have been used to prioritize maintenance activities and provide a plan for storm drainage replacement and/or expansion of the system. (See CIP 83 "Storm Sewer" for more details)

A major component of the master plan was to review the potential for developing alternative methods of funding the City's storm water management program. Storm water management programs enable municipalities to comply with complex surface water quality regulations imposed by both State and Federal agencies. The development of a storm water enterprise mechanism will provide a source of long-term funding of the storm water management program including program administration, engineering, operations and maintenance and capital planning and construction.

SERVICE IMPACT: The program will provide a dedicated funding source for the City's storm water drainage system. Dedicated funds will allow the City to prioritize and implement repairs and improvements, as well as provide resources to help the City with costs associated with future State and Federal storm water regulations.

IMPACT IF NOT FUNDED: Without an enterprise funding mechanism, the City will continue to fund its storm water management program through the General Fund. Given continued fiscal pressures on the City's General Fund, use of the General Fund to make significant comprehensive improvements to storm water infrastructure is not sustainable. Without implementing an alternative funding mechanism, the City's storm water system (much of which is old and antiquated) will continue to deteriorate resulting in pipe failures, potential sink holes, as well as poorly treated effluent entering surface waters thereby creating potential environmental and regulatory liabilities for the City.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2007 PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #479-Storm Water Enterprise Mechanism

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Outlay	0	0	50,000	0	0	0	0	0	0	0	50,000
	Total	0	0	50,000	0	0	0	0	0	0	0	50,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	General Capital Outlay	50,000	Storm Water Enterprise Fund Rate Structure Analysis. Includes review of the organization structure, development of storm water budget and rate setting structure, program cost allocation, billing systems and the development of a public outreach and communication program.
		\$50,000	2017 Subtotal
	TOTAL	\$50,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #482-Water System Asset Management

I. PROJECT TYPE: Water Treatment

II. LOCATION: Various City locations

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Replace	<input type="checkbox"/> Rebuild	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis	<input type="checkbox"/> Safety	<input type="checkbox"/> Mandates	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Productivity	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> Timeliness	<input type="checkbox"/> City Master Pl.	<input type="checkbox"/> Long-Range Planning
					<input type="checkbox"/> M	<input type="checkbox"/> M	<input type="checkbox"/> L	<input type="checkbox"/> N/A	<input type="checkbox"/> L	<input type="checkbox"/> L	<input type="checkbox"/> L	<input type="checkbox"/> N/A	<input type="checkbox"/> M	<input type="checkbox"/> L	<input type="checkbox"/> L

DESCRIPTION: The City's Water Master Plan consultant has recommended a comprehensive asset management program. The integration of a formal asset management gap analysis by outside experts to help a city steering committee define the program scope and resource requirements. A gap analysis is a business assessment tool that enables organizations to compare actual performance with its potential performance as compared to similar top performing organizations.

SERVICE IMPACT: Compliance with GASB 34. Benefits include helping management to document a baseline reference point to measure improvement and guide short term and long term recommendations including multi year budget estimates.

IMPACT IF NOT FUNDED: Lack of informed and qualified decision making.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Water	Capital Transfer	0	0	20,000	0	0	0	0	0	0	0	20,000
Water	G.O. Bonds	0	0	0	0	90,000	0	0	0	0	0	90,000
	Total	0	0	20,000	0	90,000	0	0	0	0	0	110,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #482-Water System Asset Management

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	Water Capital Transfer	20,000	Consultant services to prepare an asset management strategy for the water system.
		\$20,000	2017 Subtotal
2019	Water G.O. Bonds	90,000	Placeholder: Implementation of an asset management strategy. Acquisition of equipment, software, etc. a needed.
		\$90,000	2019 Subtotal
	TOTAL	\$110,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #484-Police Station Improvements

I. PROJECT TYPE: Public Safety

II. LOCATION: Police Station, Green Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New L Safety M Facility Cond. L Productivity
 Replace L Mandates M Service Def. N/A Tax Base Exp. L City Master Pl.
 Rebuild H O + M Costs L Council Goals L Timeliness Public Facilities
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to provide ongoing, routine maintenance for the Police Station. Typical projects include window replacement, roof rehabilitation, paint and carpet refurbishment, lighting improvements, HVAC upgrades, and other similar projects.

SERVICE IMPACT: Improve usability, maintainability, and energy efficiency of the Police Department.

IMPACT IF NOT FUNDED: Further deterioration of building systems may result in energy inefficiency, increased maintenance and operating costs, as well as decreased morale for employees working in the building.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	550,000	0	0	0	0	0	0	0	0	0	550,000
	Total	550,000	0	0	0	0	0	0	0	0	0	550,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #484-Police Station Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	250,000	Door replacement
	General G.O. Bonds	120,000	Phase II Window Replacement
	General G.O. Bonds	48,000	Replace Carpet & Tile
	General G.O. Bonds	45,000	New Fire Alarm Panel (\$35,000) and Sprinkler Update (\$10,000)
	General G.O. Bonds	27,000	Wall repair and paint
	General G.O. Bonds	25,000	Install ductless split air circulation system in the Watch Commanders Office and the basement locker rooms.
	General G.O. Bonds	25,000	Replace Ceiling Tiles
	General G.O. Bonds	10,000	Duct / Air Circulation / HVAC Improvements
		\$550,000	2015 Subtotal
	TOTAL	\$550,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #490-Police Department Records Management Microfilm Conversion

I. PROJECT TYPE: Public Safety

II. LOCATION: Police Department

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="text" value="N/A"/> Safety	<input type="text" value="N/A"/> Facility Cond.	<input type="text" value="L"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="text" value="N/A"/> Mandates	<input type="text" value="H"/> Service Def.	<input type="text" value="N/A"/> Tax Base Exp.	<input type="text" value="N/A"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="text" value="L"/> O + M Costs	<input type="text" value="N/A"/> Council Goals	<input type="text" value="L"/> Timeliness	Other
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Convert microfilms to digital format.

SERVICE IMPACT: From 1977 to 1997, the Concord Police Department archived all reports on Microfilm. Reports for those years are now stored on 326 microfilm cartridge tapes. Around 2000, a decision was made to pursue a city wide data management system so no further microfilming was done.

Presently a Minolta film reader is used archived reports on microfilm. This reader was installed at CPD on July 19, 1980. This machine is no longer supported by the manufacturer or our service company by maintenance agreement. This is the only machine that allows the Police Department to access these tapes and hence their archival records.

The current reader is unreliable and has regular mechanical malfunctions requiring significant staff time to attempt to repair. Due to lack of parts, repairs are typically not ideal or long-lasting.

The purpose of this project is to commence a multi-year, multi-phase process to convert all microfilm reels to a digital format for ease of research and to reduce storage needs.

IMPACT IF NOT FUNDED: The Police Department will continue to rely on outdated equipment which is prone to failure. This will create inefficiencies.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 0 PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #490-Police Department Records Management Microfilm Conversion

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	35,000	0	0	0	0	0	0	0	0	35,000
	Total	0	35,000	0	0	0	0	0	0	0	0	35,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Capital Transfer	35,000	Scan microfilms to digital format.
		<u>\$35,000</u>	2016 Subtotal
	TOTAL	<u>\$35,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #492-Runway Protection Zone: Obstruction Removal

I. PROJECT TYPE: Airport

II. LOCATION: Concord Municipal Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Airport

DESCRIPTION: Grant contracts with the FAA and State of New Hampshire for major construction projects completed at the Airport over the last several years require the City to undertake certain periodic runway protection zone improvements in order to insure ongoing safety for aircraft using the facility. The 2006 Airport Master Plan identified obstructions and aviation hazards in approaches to runways. In 2007, an Obstruction Removal Management Plan was completed that identifies all obstructions and easements required to remove the obstructions within runway safety zones. Future removals and acquisitions will be programmed in the CIP over years.

SERVICE IMPACT: Provides for FAA mandated control of safety areas.

IMPACT IF NOT FUNDED: Potential threats to aircraft during take offs and landings as well as loss of Federal funding and potential decrease in activity at the airport.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	State	11,400*	0	0	0	0	0	0	0	0	0	11,400
Airport	Capital Transfer	11,400	0	0	0	0	0	0	0	0	0	11,400
Other	Federal	205,200*	0	0	0	0	0	0	0	0	0	205,200
	Total	228,000	0	0	0	0	0	0	0	0	0	228,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #492-Runway Protection Zone: Obstruction Removal

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Other Federal	205,200	Airport Obstruction removal required for grant and subsidy continuation. Federal portion.
	Airport Capital Transfer	11,400	Airport Obstruction removal required for grant and subsidy continuation. City portion.
	Other State	11,400	Airport Obstruction removal required for grant and subsidy continuation. State portion.
		\$228,000	2015 Subtotal
	TOTAL	\$228,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #498-Birchdale Road Bridge Replacement

I. PROJECT TYPE: Bridges

II. LOCATION: Birchdale Road over Bela Brook

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:

<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="H"/> Mandates	<input type="checkbox" value="M"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="M"/> City Master Pl.
<input type="checkbox"/> Rebuild	<input type="checkbox" value="N/A"/> O + M Costs	<input type="checkbox" value="M"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	Other

Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Replace the existing substandard bridge in disrepair over Bela Brook. Provide a structure that is acceptable to current State and Federal standards. The present bridge deck and superstructure is rated in poor condition due to structurally deficient components.

This project is eligible and will be funded through the State Municipal Bridge Aid program (80% State, 20% City).

SERVICE IMPACT: Limited increase in highway operation and maintenance costs.

IMPACT IF NOT FUNDED: Discontinuance of public way, unmet legal requirements and reduced or restricted capacity on bridge structure.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	149,800	0	0	0	0	0	0	149,800
Other	State	0	0	0	599,200	0	0	0	0	0	0	599,200
	Total	0	0	0	749,000	0	0	0	0	0	0	749,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #498-Birchdale Road Bridge Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	Other State	599,200	Design and construction of bridge replacement. State share of project is 80%.
	General G.O. Bonds	149,800	Design and construction of bridge replacement. City share of project is 20%.
		<u>\$749,000</u>	2018 Subtotal
	TOTAL	<u>\$749,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #500-South Fruit Street / Industrial Drive Intersection Signalization

I. PROJECT TYPE: Intersections

II. LOCATION: South Fruit Street / Industrial Drive / Memorial Field Driveway Intersection

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="M"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox" value="M"/> Mandates	<input type="checkbox" value="H"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="M"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="M"/> O + M Costs	<input type="checkbox" value="M"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	Intersection Improvement
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: With continued growth at the State Office Complex and expanded recreational use at Memorial Field, intersection improvements are required to improve safety and manage traffic during peak hours and major events.

This project will include the realignment of both the State Office Complex driveway and the Memorial Field access drive and provide traffic and pedestrian signals.

SERVICE IMPACT: Improved traffic capacity and safety at major intersection. Moderate increases in highway operation and maintenance costs.

IMPACT IF NOT FUNDED: Loss of traffic capacity, substandard access control and safety concerns.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2010 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	50,000	275,000	0	325,000
Other	State	0	0	0	0	0	0	0	50,000	150,000	0	200,000
	Total	0	0	0	0	0	0	0	100,000	425,000	0	525,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #500-South Fruit Street / Industrial Drive Intersection Signalization

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2022	General G.O. Bonds	50,000	Design of Traffic Signals at South Fruit Street, State Office Complex and Memorial Field Access Drive (50% City Share).
	Other State	50,000	Design of Traffic Signals at South Fruit Street, State Office Complex and Memorial Field Access Drive (50% State Share).
		\$100,000	2022 Subtotal
2023	Other State	150,000	Construction of Traffic Signals at South Fruit Street, State Office Complex and Memorial Field Access Drive (50% State Share).
	General G.O. Bonds	150,000	Construction of Traffic Signals at South Fruit Street, State Office Complex and Memorial Field Access Drive (50% City Share).
	General G.O. Bonds	125,000	Realignment of primary driveway to Memorial Field (100% City).
		\$425,000	2023 Subtotal
	TOTAL	\$525,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #502-Whitney Road Extension

I. PROJECT TYPE: Streets New Construction

II. LOCATION: Roadway extension southerly of existing Whitney Road terminus to Sewalls Falls Road.

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Corridor Improvements

DESCRIPTION: The purpose of this project is to expand the existing municipal infrastructure in an effort to promote and encourage future development in this targeted corridor.

SERVICE IMPACT: Moderate increases in highway and sewer operation and maintenance costs.

IMPACT IF NOT FUNDED: Reduces economic development opportunities in northerly development corridor.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2009 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	0	0	200,000	200,000
	Total	0	0	0	0	0	0	0	0	0	200,000	200,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #502-Whitney Road Extension

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2024	General G.O. Bonds	200,000	Design of roadway and sewer improvements to Whitney Road Extension. Project could be off set with use of Tax Increment Financing or contributions from private developers / property owners.
		<u>\$200,000</u>	2024 Subtotal
	TOTAL	<u>\$200,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #503-Eastman Street Streetscape Improvements

I. PROJECT TYPE: Street Corridor Improvements

II. LOCATION: Eastman Street from East Side Drive to Portsmouth Street.

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="M"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="M"/> Mandates	<input type="checkbox" value="M"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="M"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox" value="M"/> O + M Costs	<input type="checkbox" value="M"/> Council Goals	<input type="checkbox" value="L"/> Timeliness	Corridor Improvements
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Given planned improvements to adjacent Mountain Road and East Side Drive, the Eastman Street Village of East Concord shows wear and lacks critical vehicular and pedestrian safety features.

The intent of this project is to address safety needs through access management, multi-use lane designation, on-street parking and sidewalks access the recreational, residential and commercial needs of the neighborhood.

The City will pursue a Transportation Enhancement (TE) grant from NHDOT.

SERVICE IMPACT: Moderate increases in highway operation and maintenance costs.

IMPACT IF NOT FUNDED: Continued safety deficiencies within multi-use corridor.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	State	0	360,000	0	0	0	0	0	0	0	0	360,000
General	Impact Fees Traf Dist 2	0	90,000	0	0	0	0	0	0	0	0	90,000
	Total	0	450,000	0	0	0	0	0	0	0	0	450,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #503-Eastman Street Streetscape Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	Other State	360,000	Design and construction of Eastman Street streetscape improvements as part of a Transportation Enhancement (TE) Grant from NHDOT. Estimated project cost is \$450,000. State portion of project. (80%)
	General Impact Fees Traf Dist 2	90,000	City portion of project. (20%)
		\$450,000	2016 Subtotal
	TOTAL	\$450,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #506-Historical Surveys

I. PROJECT TYPE: Community Planning/Implementation

II. LOCATION: City-wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness

City Master Pl. Long-Range Planning

DESCRIPTION: The Historic Resources Section of the Master Plan 2030 includes additional historical surveys for West Concord and East Concord Villages as well as a citywide survey of historic and pre-historic archeological resources.

SERVICE IMPACT: These studies will inform the City's development review process much as similar past studies have been used for those sections of the City where such studies have been completed. Similarly, this information will be used to evaluate proposed actions of the federal, State, and county governments in Concord. Adaptive reuse of historic structures may become a more viable option in light of the results of such studies. The City's knowledge of its historic and pre-historic past will be enhanced by the archeological study.

IMPACT IF NOT FUNDED: With the passage of time and the continuation of development in the City, valuable historic resources may be demolished or deteriorate beyond the point of repair, and archeological resources may be destroyed and lost.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 50 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	Federal	35,000*	35,000	35,000	0	0	0	0	0	0	0	105,000
	Total	35,000	35,000	35,000	0	0	0	0	0	0	0	105,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #506-Historical Surveys

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Other Federal	35,000	Historical / architectural surveys of City Villages and Neighborhoods, including historic and prehistoric archeological resources as funding is available.
		\$35,000	2015 Subtotal
2016	Other Federal	35,000	Historical / architectural surveys of City Villages and Neighborhoods, including historic and prehistoric archeological resources as funding is available.
		\$35,000	2016 Subtotal
2017	Other Federal	35,000	Historical / architectural surveys of City Villages and Neighborhoods, including historic and prehistoric archeological resources as funding is available.
		\$35,000	2017 Subtotal
	TOTAL	\$105,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #507-Basin Street Redevelopment Plan

I. PROJECT TYPE: Community Planning/Implementation

II. LOCATION: Basin and Hall Streets

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Economic Development
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The Land Use Section of the Master Plan 2030 includes a study of a very accessible, visible, and valuable yet underutilized area of the City adjacent to I-93 and the Merrimack River. A Brownfield evaluation as well as planning and economic assessment would be prepared as part of this project in order to identify development constraints as well as lay out long-term redevelopment plan for the area consistent with goals and objectives of the 2030 Master Plan.

SERVICE IMPACT: Much like the adjacent Opportunity Corridor, the past land uses have left questions related to contamination and have caused this land to remain underutilized and underperforming in terms of contributions to the tax base. This planning effort would be a first step toward a viable redevelopment.

IMPACT IF NOT FUNDED: The potential of this area in terms of economic return, visual enhancement, and access to the river will not be realized until these studies are undertaken.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	Federal	0	175,000	0	0	0	0	0	0	0	0	175,000
	Total	0	175,000	0	0	0	0	0	0	0	0	175,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #507-Basin Street Redevelopment Plan

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	Other Federal	175,000	A Brownfield evaluation as well as a planning and economic assessment would be prepared for Basin Street area. Anticipated funding source is US Environmental Protection Agency Brownfields Area-wide Planning Grant Program.
		\$175,000	2016 Subtotal
	TOTAL	\$175,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-HIGHWAY / UTILITIES #512-Emergency Vehicle Repairs

I. PROJECT TYPE: GSD Vehicles

II. LOCATION: City wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:

<input type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	

Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: This project is intended to provide resources to finance major unforeseen equipment repairs across the organization. Although the General Services Department maintains an operating account for outside services / repairs, these funds are geared toward unforeseen major repairs such as engine / transmission replacements etc. By funding these repairs as a Capital Project, the General Services Department will have a dedicated funding source thereby allowing for repairs to be made in a more timely manner.

SERVICE IMPACT: Vehicles would have to remain out of service thereby reducing overall productivity and efficiency of operations. Alternatively, department operating accounts would have to be used to fund repairs which would in turn impact department specific operations on a case by case basis.

IMPACT IF NOT FUNDED: If key pieces of equipment are placed out of commission due to lack of funding for repairs, the City would be unable to provide services to the community in an effective and efficient manner.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

5

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Outlay	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000
	Total	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-HIGHWAY / UTILITIES #512-Emergency Vehicle Repairs

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Outlay	10,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$10,000</u>	2015 Subtotal
2016	General Capital Outlay	10,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$10,000</u>	2016 Subtotal
2017	General Capital Outlay	10,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$10,000</u>	2017 Subtotal
2018	General Capital Outlay	10,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$10,000</u>	2018 Subtotal
2019	General Capital Outlay	10,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$10,000</u>	2019 Subtotal
2020	General Capital Outlay	10,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$10,000</u>	2020 Subtotal
2021	General Capital Outlay	10,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$10,000</u>	2021 Subtotal
2022	General Capital Outlay	10,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$10,000</u>	2022 Subtotal
2023	General Capital Outlay	10,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$10,000</u>	2023 Subtotal

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT:	GS-HIGHWAY / UTILITIES	#512-Emergency Vehicle Repairs	
2024	General Capital Outlay	10,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		\$10,000	2024 Subtotal
	TOTAL	\$100,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #514-Airport Parking Lot Improvements

I. PROJECT TYPE: Airport

II. LOCATION: Concord Municipal Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Airport
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The FY2006 Master Plan recommends expanding the additional public parking area at the airport terminal in order to accommodate the increased parking demand during peak activities at the airport. An additional 700 vehicles park at the airport during the NASCAR race week. Parking inside of the secure airport is a safety concern due to the potential for runway incursions.

SERVICE IMPACT: Expanding the existing parking area allows the City some flexibility, enabling them to use that area for some other revenue producing use in the future.

IMPACT IF NOT FUNDED: Continued demand for parking during peak airport activities. Airport operations safety concerns.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Airport	G.O. Bonds	0	0	0	0	0	0	0	320,000	0	0	320,000
	Total	0	0	0	0	0	0	0	320,000	0	0	320,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #514-Airport Parking Lot Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2022	Airport G.O. Bonds	160,000	Expand and redesign the existing automobile parking lot and entrance roadway in front of the terminal building per the Master Plan.
	Airport G.O. Bonds	160,000	Create turf parking lot for overflow for automobile rental and fan parking per the Master Plan.
		<u>\$320,000</u>	2022 Subtotal
	TOTAL	<u>\$320,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #515-Golf Course Winter Recreation Improvements

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Beaver Meadow Golf Course

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Replace	<input type="checkbox"/> Rebuild	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis	<input type="checkbox"/> Safety	<input type="checkbox"/> Mandates	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Productivity	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> Timeliness	<input type="checkbox"/> City Master Pl.
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DESCRIPTION: Provide winter recreational activities at the golf course site. Expand the site to a year round recreational facility. Provide cross country skiing, skating and sledding to enhance the winter recreational programs.

SERVICE IMPACT: Expanded seasonal use will enhance the communities recreational opportunities and potentially become a source of new revenues for the Golf Fund. Increased operating and maintenance costs to maintain infrastructure and for long-term equipment replacement.

IMPACT IF NOT FUNDED: Winter recreational opportunities for residents will remain unchanged.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

5

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	40,000	0	0	0	0	0	0	0	0	40,000
General	Impact Fees Rec Dist 1	0	0	42,000	0	0	0	0	0	0	0	42,000
	Total	0	40,000	42,000	0	0	0	0	0	0	0	82,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: REC-GROUNDS #515-Golf Course Winter Recreation Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	40,000	Purchase equipment to support ice skating on the newly created pond near the 9th green.
		<u>\$40,000</u>	2016 Subtotal
2017	General Impact Fees Rec Dist 1	25,000	Purchase recreational equipment; cross country skies and boots and skates for rental.
	General Impact Fees Rec Dist 1	17,000	Replace trail groomer and snowmobile for cross country skiing at Beaver Meadow.
		<u>\$42,000</u>	2017 Subtotal
	TOTAL	<u>\$82,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #518-Bridge and Dam Maintenance / Repairs

I. PROJECT TYPE: Bridges

II. LOCATION: City-wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:

<input type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
<input checked="" type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	
<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: This project is intended to provide funding for major maintenance or repair work on the City's bridges and dams as mandated by NH Department of Transportation, NH Department of Environmental Services, Federal Highway Administration, but not full reconstruction.

SERVICE IMPACT: Maintain structural integrity and repair of the City's bridge and dam inventory with no change in regular maintenance costs.

IMPACT IF NOT FUNDED: Continued deterioration of major bridge and dam components resulting in increased maintenance costs and potential for restricted use (load limits and safety violations).

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2010 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Highway Reserve	0	135,000	0	0	0	0	0	0	0	0	135,000
General	Capital Outlay	0	110,000	175,000	75,000	75,000	0	0	0	0	0	435,000
	Total	0	245,000	175,000	75,000	75,000	0	0	0	0	0	570,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #518-Bridge and Dam Maintenance / Repairs

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Highway Reserve	135,000	Loudon Road - Replacement of bridge expansion joints - east and west abutment approaches and scupper drains.
	General Capital Outlay	75,000	Pressure wash and seal three municipal bridges.
	General Capital Outlay	35,000	Turtle Town Pond Dam: Design of repairs for section of dam experiencing fatigue.
		\$245,000	2016 Subtotal
2017	General Capital Outlay	100,000	Rehabilitation of a section of the dam experiencing fatigue.
	General Capital Outlay	75,000	Pressure wash and seal three municipal bridges.
		\$175,000	2017 Subtotal
2018	General Capital Outlay	75,000	Pressure wash and seal three municipal bridges.
		\$75,000	2018 Subtotal
2019	General Capital Outlay	75,000	Pressure wash and seal three municipal bridges.
		\$75,000	2019 Subtotal
	TOTAL	\$570,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #519-Manchester Street/Old Turnpike Road Intersection Improvements

I. PROJECT TYPE: Intersections

II. LOCATION: Manchester Street and Old Turnpike Road

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:

<input type="checkbox"/> New	<input type="checkbox"/> Replace	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis	<input type="checkbox"/> Safety	<input type="checkbox"/> Mandates	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Productivity	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.	<input type="checkbox"/> Timeliness
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DESCRIPTION: Following the completion of Regional Drive in 2005, traffic within the Manchester Street/Old Turnpike Road/Regional Drive corridor has continued to grow. As a result, recent changes to signal timing at the Manchester Street and Old Turnpike Road has improved levels of service. However, with traffic growth expected in the near term, intersection geometry improvements will be required.

This project includes traffic signal design and expansion of the Old Turnpike Road approach to two (2) right turn lanes onto Manchester Street. This project will be coordinated with the ongoing design efforts at Terrill Park.

SERVICE IMPACT: Improved vehicle safety and increased capacity in this designated arterial corridor.

IMPACT IF NOT FUNDED: Continued congestion and reduced levels of service at the intersection.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2010

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	415,000	0	0	0	0	0	415,000
General	Impact Fees Traf Dist 4	0	0	0	0	85,000	0	0	0	0	0	85,000
	Total	0	0	0	0	500,000	0	0	0	0	0	500,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #519-Manchester Street/Old Turnpike Road Intersection Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2019	General G.O. Bonds	415,000	Bond Share
	General Impact Fees Traf Dist 4	85,000	Construction of improvements to Old Turnpike Road approach to Manchester Street including modifications to the existing traffic signal.
		\$500,000	2019 Subtotal
	TOTAL	\$500,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #520-Intersection Safety Improvements

I. PROJECT TYPE: Intersections

II. LOCATION: Various Locations Throughout the City

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="checkbox" value="H"/> Safety	<input type="checkbox" value="H"/> Facility Cond.	<input type="checkbox" value="H"/> Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox" value="M"/> Mandates	<input type="checkbox" value="H"/> Service Def.	<input type="checkbox" value="L"/> Tax Base Exp.	<input type="checkbox" value="L"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="L"/> O + M Costs	<input type="checkbox" value="M"/> Council Goals	<input type="checkbox" value="H"/> Timeliness	
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: With continued focus on intersection safety, the Traffic Operations Committee outlined specific intersections with skewed geometry, multiple side-street approaches, sight distance limitations, and potential for high-speed turns. Each project is intended to be scheduled concurrently with the annual paving program to reduce costs and improve safety and traffic operations.

Project improvements typically include realigning the side-street intersection approaches to a traditional "T" type intersection configuration. Final intersection option will be reviewed with City Council.

Program intersections include Old Loudon Road/Portsmouth Street, Graham Road/Snow Pond Road, Carter Hill Road/Lakeview Drive, Abbott Road/Sewalls Falls Road, Mountain Road/Sanborn Road, and Borough Road/River Road.

SERVICE IMPACT: Improved vehicle safety and sight distance at the intersection.

IMPACT IF NOT FUNDED: Continued safety concern and limited sight distance.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2010

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

20

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #520-Intersection Safety Improvements

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	30,000	50,000	50,000	100,000	230,000
	Total	0	0	0	0	0	0	30,000	50,000	50,000	100,000	230,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2021	General G.O. Bonds	30,000	Reconstruction of the Old Loudon Road/Portsmouth Street intersection.
		\$30,000	2021 Subtotal
2022	General G.O. Bonds	50,000	Reconstruction of the Graham Road / Snow Pond Intersection.
		\$50,000	2022 Subtotal
2023	General G.O. Bonds	50,000	Reconstruction of the Carter Hill / Lakeview Drive Intersection.
		\$50,000	2023 Subtotal
2024	General G.O. Bonds	100,000	Reconstruction of the Abbott Road / Sewalls Falls Road Intersection.
		\$100,000	2024 Subtotal
	TOTAL	\$230,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #521-Police Firearms Range Improvements

I. PROJECT TYPE: Public Safety

II. LOCATION: Concord Police Firearms Range

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="L"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox" value="L"/> Mandates	<input type="checkbox" value="M"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="N/A"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="H"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="L"/> Timeliness	Other
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The Concord Police Department Firearms Range (outdoor) has not been improved or rehabilitated in approximately 10 years. The training house is in disrepair and requires replacement. The range and driveway leading to the range is in need of new pavement. The awning requires some maintenance and a new portion constructed. The berms are showing their age and require being torn down and re-built. The lead from the berms will need to be cleaned out. The rifle range requires minor landscaping, gravel and re-built berms.

Phase I was completed in FY14. Metals were removed from the berms, berms were rebuilt along with a new retaining wall.

Phase II of the project involves removing the existing awning and replacing it with a new one. Also, paving the pistol range itself. Current pavement is more than 25 years old. It is worn, cracked and a tripping hazard in places.

SERVICE IMPACT: Limited resources have been invested in the maintenance of the firearms range over the years. The range is showing its age and requires rehabilitation so that police officers can train and maintain certifications.

IMPACT IF NOT FUNDED: Firearms training and qualification is mandatory for police officers. If the range continues to deteriorate, it will be rendered unusable for training and qualifications. Police officers will have to travel out of town for training and qualifications. Police officers qualify twice each year.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #521-Police Firearms Range Improvements

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	165,000	0	0	0	0	0	0	0	0	165,000
	Total	0	165,000	0	0	0	0	0	0	0	0	165,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	115,000	Phase II: Resurfacing of existing lot (Pistol range), remove rotted awning and construct new awning.
	General G.O. Bonds	50,000	Phase III: Repair of live fire house.
		\$165,000	2016 Subtotal
	TOTAL	\$165,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: INFORMATION TECHNOLOGY #525-Telephone System Replacement Program

I. PROJECT TYPE: Information Technology & Communications

II. LOCATION: All City Departments and Agencies

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="text" value="M"/> Safety	<input type="text" value="N/A"/> Facility Cond.	<input type="text" value="N/A"/> Productivity	
SERVED:	<input checked="" type="checkbox"/> Replace	<input type="text" value="L"/> Mandates	<input type="text" value="L"/> Service Def.	<input type="text" value="N/A"/> Tax Base Exp.	<input type="text" value="N/A"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="text" value="N/A"/> O + M Costs	<input type="text" value="N/A"/> Council Goals	<input type="text" value="L"/> Timeliness	Long-Range Planning
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The City relies on telephone communications for Police, Fire and EMS dispatch and control as well as across all city functions. The components of the system are varied in age, condition and functionality. A telephone communications system, one capable of both voice and data transmissions will be needed to be compatible with current technology.

SERVICE IMPACT: Periodic replacement of the telephone system will ensure a reliable form of communications for emergency services, normal daily operations, customer service, and alarm systems.

IMPACT IF NOT FUNDED: Increased frequency and duration of equipment failure resulting in risk to public safety and inability to perform normal daily business.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2001

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: INFORMATION TECHNOLOGY #525-Telephone System Replacement Program

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Arena	Capital Transfer	0	3,000	0	0	0	0	0	0	0	0	3,000
Parking	Capital Transfer	0	4,000	0	0	0	0	0	0	0	0	4,000
Sewer	Capital Transfer	0	20,000	0	0	0	0	0	0	0	0	20,000
Water	Capital Transfer	0	20,000	0	0	0	0	0	0	0	0	20,000
General	G.O. Bonds	0	200,000	0	0	0	0	0	0	0	0	200,000
Golf	Capital Transfer	0	3,000	0	0	0	0	0	0	0	0	3,000
Total		0	250,000	0	0	0	0	0	0	0	0	250,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	200,000	Replacement of the Neax 2400 switch located at Police station (\$100,000); Replacement of the four offsite switches located at Hall St., Manor Fire station, Fire Dispatch, and General Services (\$100,000); and, Consultation for Design and replacement of telephone system (\$50,000).
	Water Capital Transfer	20,000	Water share.
	Sewer Capital Transfer	20,000	Sewer share.
	Parking Capital Transfer	4,000	Parking share.
	Golf Capital Transfer	3,000	Golf share.
	Arena Capital Transfer	3,000	Arena share.
		\$250,000	2016 Subtotal
TOTAL		\$250,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #528-Pocket Parks

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New H Safety H Facility Cond. N/A Productivity
 Replace M Mandates L Service Def. N/A Tax Base Exp. N/A City Master Pl.
 Rebuild N/A O + M Costs N/A Council Goals L Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: This project provides funding for the routine repair or replacement of fully depreciated playground equipment in pocket parks throughout the City

SERVICE IMPACT: Repair costs will decline and player satisfaction will increase.

IMPACT IF NOT FUNDED: Existing deficiencies will remain unchanged, repair costs will increase, and customer satisfaction will deteriorate.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Outlay	0	0	0	0	0	0	0	15,000	0	0	15,000
General	G.O. Bonds	0	0	0	0	0	0	0	185,000	0	0	185,000
	Total	0	0	0	0	0	0	0	200,000	0	0	200,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #528-Pocket Parks

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2022	General G.O. Bonds	150,000	Replace playground equipment in three pocket parks
	General G.O. Bonds	35,000	Replace playground equipment at Reed Play Lot.
	General Capital Outlay	15,000	Crack seal and/or resurface basketball courts in three pocket parks
		<u>\$200,000</u>	2022 Subtotal
	TOTAL	<u>\$200,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #529-Capital Commons Parking Garage

I. PROJECT TYPE: Parking

II. LOCATION: Storrs Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:

<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="L"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
<input type="checkbox"/> Replace	<input type="checkbox" value="L"/> Mandates	<input type="checkbox" value="L"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="L"/> City Master Pl.
<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="N/A"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="H"/> Timeliness	Parking
<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Ongoing regular maintenance and repairs to the Capital Commons Parking Garage as required. Work typically includes structural repairs, parking deck seal coating and waterproofing, repair of expansion joints and drainage improvements.

SERVICE IMPACT: Periodic maintenance will ensure that the facility is safe and attractive for patrons.

IMPACT IF NOT FUNDED: Deferred maintenance will result in more serious and expensive repairs in the future. Deterioration of parking structure which could result in loss of revenue due to decreased usage and prolonged closures necessitated by more serious repairs.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2011 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Parking	Capital Transfer	0	0	0	60,000	0	0	0	0	0	0	60,000
	Total	0	0	0	60,000	0	0	0	0	0	0	60,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #529-Capital Commons Parking Garage

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	Parking Capital Transfer	60,000	Deck membrane and drainage system maintenance.
		\$60,000	2018 Subtotal
	TOTAL	\$60,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #530-Golf Course Equipment

I. PROJECT TYPE: Golf

II. LOCATION: Beaver Meadow Golf Course

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="M"/> Productivity	
SERVED:	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="L"/> Mandates	<input type="checkbox" value="H"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="N/A"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox" value="N/A"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	Motor Vehicle Equipment
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Replacement of major pieces of golf course equipment that have reached it's useful life.

SERVICE IMPACT: Maintenance cost would increase without the planned program of replacement. Possible reduction of service of the playing surface due to unanticipated failure o critical pieces of equipment

IMPACT IF NOT FUNDED: Reduced maintenance capabilities could result in a decline in the quality of the course which in turn would likely lead to a loss of patrons, lower revenue, and reduced market share.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Golf	Capital Outlay	0	0	70,000	0	25,000	30,000	0	0	0	0	125,000
Golf	G.O. Bonds	35,000	25,000	0	0	0	95,000	0	0	0	0	155,000
	Total	35,000	25,000	70,000	0	25,000	125,000	0	0	0	0	280,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #530-Golf Course Equipment

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Golf G.O. Bonds	35,000	Replace out front mower.
		\$35,000	2015 Subtotal
2016	Golf G.O. Bonds	25,000	Replace Cushman utility vehicle.
		\$25,000	2016 Subtotal
2017	Golf Capital Outlay	45,000	Replace chemical sprayer.
	Golf Capital Outlay	25,000	Replace aerator.
		\$70,000	2017 Subtotal
2019	Golf Capital Outlay	25,000	Replace triplex mower.
		\$25,000	2019 Subtotal
2020	Golf G.O. Bonds	95,000	Replace fairway mower.
	Golf Capital Outlay	30,000	Replace 1980 bed knife grinder and reel grinder.
		\$125,000	2020 Subtotal
	TOTAL	\$280,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #534-Tie Down Rehabilitation and Expansion

I. PROJECT TYPE: Airport

II. LOCATION: Municipal Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs

Facility Cond. Service Def. Council Goals

Productivity Tax Base Exp. Timeliness

City Master Pl. Airport

DESCRIPTION: In 1990, the city constructed Phase I of the Based Aircraft Tie down Apron Expansion Project. This project created 56 tie downs for airport users to secure their planes. Currently the existing tie downs are 70% occupied.

This project will create an additional 32 tie down aprons on approximately 2 acres of land in a designated conservation zone. Therefore, development of this area will require an amendment to the agency agreement governing the conservation zones.

SERVICE IMPACT: Project will help implement the goals of the 2006 Airport Master Plan by providing additional capacity for general aviation users to be based at the airport.

IMPACT IF NOT FUNDED: Stagnant revenues and loss of market share to other regional general aviation airports such as Lebanon, Rochester, Laconia, and Nashua.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 20

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	Federal	150,000*	675,000	1,080,000	0	0	0	0	0	0	0	1,905,000
Other	State	8,334*	37,500	60,000	0	0	0	0	0	0	0	105,834
Airport	Capital Transfer	8,334	37,500	60,000	0	0	0	0	0	0	0	105,834
	Total	166,668	750,000	1,200,000	0	0	0	0	0	0	0	2,116,668

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #534-Tie Down Rehabilitation and Expansion

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Other Federal	150,000	Design reconstruction and expansion of tie-down area.
	Other State	8,334	State share.
	Airport Capital Transfer	8,334	City share.
		\$166,668	2015 Subtotal
2016	Other Federal	675,000	Construct approximately 2 acres of based airport tie down aprons. (City portion)
	Other State	37,500	Construct approximately 2 acres of based airport tie down aprons. (State portion)
	Airport Capital Transfer	37,500	Construct approximately 2 acres of based airport tie down aprons. (City portion)
		\$750,000	2016 Subtotal
2017	Other Federal	1,080,000	Reconstruct existing based airport tie down aprons. (Federal portion)
	Airport Capital Transfer	60,000	Reconstruct existing based airport tie down aprons. (City portion)
	Other State	60,000	Reconstruct existing based airport tie down aprons. (State portion)
		\$1,200,000	2017 Subtotal
	TOTAL	\$2,116,668	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #536-Hangar Replacement

I. PROJECT TYPE: Airport

II. LOCATION: Municipal Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New L Safety M Facility Cond. L Productivity
 Replace H Mandates L Service Def. L Tax Base Exp. M City Master Pl.
 Rebuild M O + M Costs N/A Council Goals N/A Timeliness Airport
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Replace hangars 1, 2, and 3 in accordance with the 2006 Airport Master Plan. These hangars were constructed in the early 1930's and have exhausted their useful life.

SERVICE IMPACT: The hangar infrastructure requires ongoing maintenance and the plumbing, electrical and heating systems are substandard and inefficient.

IMPACT IF NOT FUNDED: Increased long-term costs for more extensive repairs necessitated by deferred maintenance. Potential loss of customers / revenues for the airport, thereby eroding airport market share, due to obsolete facilities.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 40

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Airport	Capital Transfer	0	0	0	0	0	0	0	26,500	55,000	0	81,500
Other	Federal	0	0	0	0	0	0	0	477,000	1,000,000	0	1,477,000
Other	State	0	0	0	0	0	0	0	26,500	55,000	0	81,500
	Total	0	0	0	0	0	0	0	530,000	1,110,000	0	1,640,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #536-Hangar Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2022	Other Federal	477,000	Replace hangar 1 (Federal share).
	Other State	26,500	Replace hangar 1 (State Share).
	Airport Capital Transfer	26,500	Replace hanger 1 (City share).
		\$530,000	2022 Subtotal
2023	Other Federal	1,000,000	Replace hangar 2 and 3 (Federal share)--If prior year repairs have been made as projected, this may not be necessary.
	Other State	55,000	Replace hangar 2 and 3 (State share)--If prior year repairs have been made as projected, this may not be necessary.
	Airport Capital Transfer	55,000	Replace hangar 2 and 3 (City share)--If prior year repairs have been made as projected, this may not be necessary.
		\$1,110,000	2023 Subtotal
	TOTAL	\$1,640,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #541-Regional Drive/Chenell Drive Intersection Improvements

I. PROJECT TYPE: Intersections

II. LOCATION: Regional Drive and Chenell Drive

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Intersection Improvement

DESCRIPTION: Following the completion of Regional Drive in 2005, traffic along the Regional Drive corridor continues to grow. As a result of continued development along Chenell Drive as well as development along the Regional Drive corridor, the Traffic Operations Committee has been monitoring traffic volumes, accident data and the frequency of pedestrian activities at critical intersections along the arterial corridor. In an effort to maintain acceptable levels of service and traffic safety intersection improvements will be required.

SERVICE IMPACT: Improved vehicle safety and increased capacity along this designated arterial corridor.

IMPACT IF NOT FUNDED: Continued congestion, reduced levels of service, and traffic accidents at the intersection.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2012 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 25 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Impact Fees Traf Dist 4	0	0	0	0	0	75,000	0	0	0	0	75,000
General	G.O. Bonds	0	0	0	0	0	0	425,000	0	0	0	425,000
	Total	0	0	0	0	0	75,000	425,000	0	0	0	500,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #541-Regional Drive/Chenell Drive Intersection Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2020	General Impact Fees Traf Dist 4	75,000	Design of improvements to the intersection of Regional Drive and Chenell Drive.
		<u>\$75,000</u>	2020 Subtotal
2021	General G.O. Bonds	425,000	Construction of improvements to the intersection of Regional Drive and Chenell Drive.
		<u>\$425,000</u>	2021 Subtotal
	TOTAL	<u>\$500,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #543-Merrimack River Greenway Trail Project

I. PROJECT TYPE: Sidewalks and Streetscapes

II. LOCATION: City-wide along Merrimack River Corridor

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Sidewalks
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The Merrimack River Greenway Trail is envisioned as a continuous, off-street path, roughly following the Merrimack River connecting the eventual terminus of the Northern Rail Trail to the north and the proposed Salem to Concord Bikeway to the south. The path is intended to be a 4-season paved facility, to serve pedestrians, bicyclists, skiers, snowshoers and other non motorized users, and to be universally accessible to the maximum extent practical.

Included as a major project initiative in the comprehensive Bicycle Master Plan, the project is intended to serve both transportation and recreation purposes, connecting villages, providing access to the River and adjacent open space, providing safe and inviting health and fitness opportunities. The Path will provide river views and access when possible, and it will follow a somewhat north-south route to facilitate transportation use. It is consistent with the Concord 2030 Master Plan and Concord's Vision for 2020 by connecting neighborhoods and re-connecting Concord to the River.

This project is contingent upon raising significant funds from other non-City sources, such as grants from the State and Federal governments as well as donation from local interest groups and stakeholders.

SERVICE IMPACT: Improved recreational / transportation opportunities for non-motorized means. Increase in operations and maintenance budget due to resurfacing, sweeping and management of vegetation. As with the paths along I-89 and I-93, sweeping and trimming may be accomplished with volunteer efforts. Snow removal will not be necessary as this trail is to provide an opportunity for winter recreation / transportation.

IMPACT IF NOT FUNDED: Failure to meet key objectives set out in the Master Plan 2030, the Conservation Commission's Endowment for the 21st Century Conservation & Open Space Initiative, and Concord 2020 Vision principles. Options for walking and bicycling will be limited to street, sidewalks, or un-improved hiking trails, leaving a gap in outdoor recreation opportunities. Long distance trails arriving from the north and south will end at the Concord line with no through connection. Many connections between open spaces and recreational trails will not be met. An opportunity to help the city meet its goals to re-connect to the Merrimack River will be missed. An opportunity to diversify Concord's transportation system by adding green, healthy, non-motorized options will be missed.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 25 Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #543-Merrimack River Greenway Trail Project

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other State		0	0	0	0	0	0	0	1,600,000	0	0	1,600,000
General Donations		0	0	0	0	0	0	0	400,000	0	0	400,000
	Total	0	0	0	0	0	0	0	2,000,000	0	0	2,000,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2022	Other State	1,600,000	Design and construction of Phase 1 of the Merrimack River Greenway Trail from Manchester Street to Loudon Road to be funded with a NHDOT TE Grant and donations.
			Design/Administration: \$300,000 Construction: \$1,500,000
	General Donations	400,000	Construction Engineering/Administration: \$200,000 Design and construction of Phase 1 of the MRGT. Donation portion (20%)
		\$2,000,000	2022 Subtotal
	TOTAL	\$2,000,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #550-Roundabout Maintenance

I. PROJECT TYPE: Intersections

II. LOCATION: Liberty/Centre/Auburn and North State/Franklin Intersections

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	<input type="checkbox"/> Intersection Improvement
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Periodic maintenance and structural repairs of roundabouts

SERVICE IMPACT: Improved vehicle safety and ability to maintain traffic capacity along designated arterial and collector corridors.

IMPACT IF NOT FUNDED: Continued deterioration of major elements of the roundabouts with potential for reduced levels of service, and traffic accidents at the intersection.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2012 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Outlay	0	0	0	50,000	50,000	0	0	0	0	0	100,000
	Total	0	0	0	50,000	50,000	0	0	0	0	0	100,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	General Capital Outlay	50,000	Major scheduled maintenance improvements to the Liberty/Auburn/Centre roundabout.
		<u>\$50,000</u>	2018 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#550-Roundabout Maintenance	
2019	General Capital Outlay	50,000	Major scheduled maintenance improvements to the North State/Franklin roundabout.
		<u>\$50,000</u>	2019 Subtotal
	TOTAL	<u>\$100,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #551-Library Maintenance

I. PROJECT TYPE: Public Buildings

II. LOCATION: Main Library and Penacook Branch Library

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

M Safety L Mandates N/A O + M Costs

L Facility Cond. L Service Def. L Council Goals

L Productivity N/A Tax Base Exp. L Timeliness

N/A City Master Pl. Public Facilities

DESCRIPTION: The purpose of this project is to provide a maintenance plan for the City's Main Library and the Penacook Branch Library until such time as a new main library constructed as further detailed in CIP 68 or a new branch library is constructed per CIP 508. Should either library project move forward, then the City may defer or forgo some maintenance projects discussed herein.

SERVICE IMPACT: Continued maintenance costs, customer complaints, and decreased staff morale. Potential liability associated with exposed / un-encapsulated lead paint.

IMPACT IF NOT FUNDED: Facilities may become unserviceable, occupant safety would be compromised. Buildings will continue to deteriorate. Water infiltration could damage / ruin portions of the library's collection. Employee morale will be negatively impacted.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	20,000	10,000	0	0	0	0	0	0	0	30,000
General	G.O. Bonds	55,000	50,000	75,000	60,000	70,000	250,000	125,000	80,000	130,000	30,000	925,000
	Total	55,000	70,000	85,000	60,000	70,000	250,000	125,000	80,000	130,000	30,000	955,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #551-Library Maintenance

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	35,000	Parapet roof & elevator roof replacement (Green Street)
	General G.O. Bonds	20,000	Sprinkler system deficiencies (Green Street)
		\$55,000	2015 Subtotal
2016	General G.O. Bonds	50,000	Paint and carpet upgrades. (Green Street)
	General Capital Transfer	16,000	Refurbish front entry door and ornamental metal work. (Green Street)
	General Capital Transfer	4,000	Penacook Library fire escape repairs
		\$70,000	2016 Subtotal
2017	General G.O. Bonds	75,000	Penacook Library handicap ramp replacement
	General Capital Transfer	10,000	Penacook Library chimney repair
		\$85,000	2017 Subtotal
2018	General G.O. Bonds	30,000	HVAC improvements (Green Street)
	General G.O. Bonds	20,000	Ceiling tile upgrades. (Green Street)
	General G.O. Bonds	10,000	Doors & window & hardware upgrades. (Green Street)
		\$60,000	2018 Subtotal
2019	General G.O. Bonds	70,000	Bathroom renovations (Green Street)
		\$70,000	2019 Subtotal
2020	General G.O. Bonds	250,000	Roof repair / replacement (Green Street)
		\$250,000	2020 Subtotal
2021	General G.O. Bonds	125,000	Roof replacement, Penacook Library.
		\$125,000	2021 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#551-Library Maintenance	
2022	General G.O. Bonds	60,000	Paint and carpet upgrades. (Green Street)
	General G.O. Bonds	20,000	Door, window and hardware upgrades. (Green Street)
		\$80,000	2022 Subtotal
2023	General G.O. Bonds	100,000	Seal exterior granite (Green Street)
	General G.O. Bonds	30,000	Upgrades to the EMS control system
		\$130,000	2023 Subtotal
2024	General G.O. Bonds	30,000	Fire alarm system upgrades
		\$30,000	2024 Subtotal
	TOTAL	\$955,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #555-Handgun Replacement

I. PROJECT TYPE: Public Safety

II. LOCATION: Police Department-35 Green St.

III. PROJECT OBJECTIVES AND BACKGROUND

NEED New Safety Facility Cond. Productivity
 SERVED: Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The purpose of this project is to provide funding for the routine replacement of Police Department handguns. The Department currently uses the Sig Sauer Model P229R as its primary handgun. The Department also has several P239 models. These have been in use since 2003. To assure reliability, the Department seeks to replace handguns after approximately 10-15 years of service.

SERVICE IMPACT: The Police Department seeks to carry a reliable handgun. Service weapons that are older tend to have additional maintenance problems. It is necessary to replace older models with newer models.

IMPACT IF NOT FUNDED: Reliability and safety is compromised.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	36,000	0	0	0	0	0	0	0	0	36,000
	Total	0	36,000	0	0	0	0	0	0	0	0	36,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: POLICE - OPERATIONS #555-Handgun Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	36,000	Handgun replacement. (Sig Sauer model P229R). It is likely that the Department would continue to use the Model 229R but will evaluate other options. The budget is based on purchasing new P229R's. 90 new handguns @ \$650 each = \$58,500 90 trade-in @ \$250 each = \$22,500 Net Cost approximately \$36,000 (Current holsters should accommodate this newer model).
		\$36,000	2016 Subtotal
	TOTAL	\$36,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #557-Memorial Field

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: South Fruit Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="L"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
	<input type="checkbox"/> Replace	<input type="checkbox" value="N/A"/> Mandates	<input type="checkbox" value="M"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="H"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="N/A"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	Parks
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The purpose of this project is to provide funding for routine repair and replacement of infrastructure at Memorial Field.

SERVICE IMPACT: Improvements and restoration of facilities to increase usability of most heavily used athletic facilities in the City. Reduced maintenance costs will be realized.

IMPACT IF NOT FUNDED: Deferred maintenance will result in more significant, expensive repairs in the future. Poor facilities will result in decreased customer satisfaction and use of facility.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Close-out	17,861	0	0	0	0	0	0	0	0	0	17,861
General	G.O. Bonds	45,000	0	580,000	110,000	0	175,000	0	0	0	0	910,000
General	Donations	0	30,000	0	0	0	0	0	0	0	0	30,000
General	Capital Transfer	0	0	30,000	0	0	0	0	0	0	0	30,000
	Total	62,861	30,000	610,000	110,000	0	175,000	0	0	0	0	987,861

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #557-Memorial Field

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	45,000	Electrical panel improvements.
	General Capital Close-out	17,861	Close-out share.
		\$62,861	2015 Subtotal
2016	General Donations	30,000	Replace seating and walkway boards at the football stadium - interim repairs before bleacher replacement in 2017.
		\$30,000	2016 Subtotal
2017	General G.O. Bonds	580,000	New Bleachers and press box for main football field.
	General Capital Transfer	30,000	Reclaim and pave beneath selected bleacher sections as part of bleacher replacement.
		\$610,000	2017 Subtotal
2018	General G.O. Bonds	110,000	Resurface the track. Last resurfacing in 2008.
		\$110,000	2018 Subtotal
2020	General G.O. Bonds	175,000	Full depth reconstruction of 5 tennis courts.
		\$175,000	2020 Subtotal
	TOTAL	\$987,861	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CITY MANAGER /OPERATION #558-City Hall Campus Renovation / Expansion

I. PROJECT TYPE: Public Buildings

II. LOCATION: 35 - 45 Green Street, Concord

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox"/> Mandates	<input type="checkbox"/> Service Def.	<input type="checkbox"/> Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	Public Facilities
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The purpose of this project is to renovate the Green Street Community Center into a new 24,000 SF office building for use by departments housed at the City Ha Campus. Departments or Divisions located within City Hall, the Annex, as well as off site locations (such as Prosecutors and Human Services Departments would be relocated to the newly created office space).

Vacated spaces within existing structures would be renovated and backfilled by other departments. This project may include construction of a new parking lot at 10 Prince Street (acquired by the City in October 2011). Project may also include acquisition of other properties located on Prince or School Street for staff and public parking.

Goals of the project are as follows:

Consolidate the Community Development Department into a single space suitable for all 4 Divisions (Engineering, Planning, Administration, and Code).

Consolidation of the Prosecutors and Human Services Departments back to the City Hall Campus, thereby forgoing rental of other private facilities.

Additional space for various City departments, including, but not limited to, Police, City Clerk, and I.T. Departments.

Better access for patrons of the City's more "retail oriented" departments such as City Clerk, Assessing, and Collections.

Creation of additional meeting and storage space.

SERVICE IMPACT: Project will help consolidate City operations to the Campus, thereby creating operational efficiencies. City will also be able to forgo lease payments for the Prosecutors and Human Services Departments, thereby allowing monies spent on rent to be invested into long-term capital improvements.

Expanded space will provide for much needed storage and meeting spaces.

Expanded staff parking will help meet ongoing parking needs and create additional on-street parking opportunities for the public.

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CITY MANAGER /OPERATION #558-City Hall Campus Renovation / Expansion

IMPACT IF NOT FUNDED: Department space needs will continue to be unmet. Operational efficiencies and potential long-term cost savings will not be realized.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

V. PROJECT USEFUL LIFE (In Years): 50 Expected Bond Term (in Years) 20

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	960,000	8,000,000	0	0	8,960,000
	Total	0	0	0	0	0	0	960,000	8,000,000	0	0	8,960,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2021	General G.O. Bonds	960,000	Design of Green Street Community Center conversion to office space and associated parking improvements. Assumes renovation of space in 24,000SF of office space, including fixtures, furnishings, equipment, as well as design, moving expenses, etc. Based on April 2012 cost estimate prepared by the HL Turner Group in 2012 dollars. Includes Green St renovation (\$6.5M w/o design) plus renovation of vacated spaces to be back filled (\$1.5M).
		\$960,000	2021 Subtotal
2022	General G.O. Bonds	8,000,000	Construction of Green Street Community Center conversion & related improvements. Includes \$6.5 million for renovation of Green Street into 24,000 SF of office (\$6.5 million), as well as renovation of vacated spaces for reuse by the City (\$1.5 million).
		\$8,000,000	2022 Subtotal
	TOTAL	\$8,960,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #560-Fire Training Facility

I. PROJECT TYPE: Public Safety

II. LOCATION:

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New M Safety M Facility Cond. Productivity
 Replace L Mandates L Service Def. N/A Tax Base Exp. City Master Pl.
 Rebuild H O + M Costs Council Goals M Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: In 2005, the City completed a needs assessment of the existing Loudon Road training facility. This study recommended that the existing facility be abandoned due to variety of inadequacies, safety concerns, as well as conflicts with adjacent land uses (i.e. the Arena, Kiwanis Park, and the skate board park). The 2005 study also included a City wide search for a new facility and concluded that a new training grounds should be constructed at the City's Old Turnpike Road landfi site. As part of the FY 2009 budget, \$150,000 was provided for the design of a new fire training facility. Because of the use of in-house staff, the cost of design was reduced to \$40,000.

By relocating the training grounds from the Loudon Road / Everett Arena location, the City will be able to re-use that site for expanded recreational opportunitie

SERVICE IMPACT: Project will provide a permanent dedicated facility for fire training, thereby maximizing opportunities for routine training of personnel. Routine training is important in order to maintain public safety.

IMPACT IF NOT FUNDED: Inability to provide effective training on an ongoing basis thus potentially negatively affecting daily operations.

Further skill deterioration and potential to place the stations out of service for a period of time when training at State facility.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	820,000	0	0	0	0	820,000
	Total	0	0	0	0	0	820,000	0	0	0	0	820,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: FIRE #560-Fire Training Facility

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2020	General G.O. Bonds	820,000	Construction of new Fire Training Grounds facility at the Old Turnpike Road Landfill.
		<u>\$820,000</u>	2020 Subtotal
	TOTAL	<u>\$820,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #561-Fire Alarm Infrastructure Replacement

I. PROJECT TYPE: Public Safety

II. LOCATION: Citywide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New H Safety H Facility Cond. N/A Productivity
 Replace L Mandates H Service Def. Tax Base Exp. City Master Pl.
 Rebuild N/A O + M Costs Council Goals Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Systematic replacement of fire alarm infrastructure. The existing fire alarm infrastructure ranges in age from new to over 50 years old. The typical service life for most of this equipment is 25-30 years. Increased O&M costs and more frequent failures have resulted due to lack of maintenance and replacement.

SERVICE IMPACT: Systematic replacement of system will allow for continued use of fire alarm system.

IMPACT IF NOT FUNDED: Lack of funding will impose a liability on the City if failed equipment results in missed alarm signal transmission.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	40,000	60,000	0	0	0	0	0	0	0	100,000
	Total	0	40,000	60,000	0	0	0	0	0	0	0	100,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #561-Fire Alarm Infrastructure Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Capital Transfer	40,000	Replace failing fire alarm cabling along Airport Road
		\$40,000	2016 Subtotal
2017	General Capital Transfer	40,000	Replace Uninterruptible Power Source System that was installed in 1996. This system is installed in the Communications Center and provide uninterrupted power in the event of a power outage.
	General Capital Transfer	20,000	Replace Digitize Equipment in Communications Center. This system receives and decodes the alarm signals received in the Communications Center.
		\$60,000	2017 Subtotal
	TOTAL	\$100,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #563-Master Plan Update

I. PROJECT TYPE: Community Planning/Implementation

II. LOCATION: City-wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness

City Master Pl. Long-Range Planning

DESCRIPTION: The purpose of this project is to update the City Master Plan. State Law requires that a municipality's Master Plan be updated from "time to time". The commonly accepted planning horizon for a Master Plan is 10 years. Research and writing for the current Master Plan began in 2005, and the plan was adopted in 2008 after a lengthy public process.

SERVICE IMPACT: There have been incremental changes in zoning/land use and significant purchases of conservation land since the writing of the Master Plan. This, coupled with the state of the economy since 2008, makes it important to review the Master Plan recommendations, particularly for performance districts and density standards.

IMPACT IF NOT FUNDED: Poor long-range planning leads to haphazard development, which can result in the loss of land resources, missed economic development opportunities, as well as increased long-term costs to serve poorly planned development.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	100,000	0	0	0	0	0	0	0	100,000
	Total	0	0	100,000	0	0	0	0	0	0	0	100,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-COMMUNITY PLANNING #563-Master Plan Update

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	General G.O. Bonds	100,000	Placeholder for outside services to assist with updating the City's 2008 Master Plan.
		<u>\$100,000</u>	2017 Subtotal
	TOTAL	<u>\$100,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #566-Parking Garage Surveillance Improvements

I. PROJECT TYPE: Parking

II. LOCATION: Capital Commons, Durgin Block, and Firehouse Parking Garages

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Parking
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Project entails replacement of existing surveillance equipment located within the City's three parking garages. Improvements will include improved digital cameras featuring better resolution as well as increased pan / zoom capabilities. Cameras will be hardwired to the Police Department, thereby providing live fee capabilities.

SERVICE IMPACT: Project will improve safety and security for the general public in the three parking garages, thereby helping to deter vandalism and other criminal activity, as well as encourage use of each facility by the public.

IMPACT IF NOT FUNDED: Current security and surveillance capabilities shall remain unchanged. Potential increased risk for undesirable behavior to occur in parking garages.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years) 10

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Parking	G.O. Bonds	0	100,000	0	0	0	0	0	0	0	0	100,000
	Total	0	100,000	0	0	0	0	0	0	0	0	100,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: POLICE - OPERATIONS #566-Parking Garage Surveillance Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	Parking G.O. Bonds	100,000	Upgrade surveillance systems in all 3 parking garages.
		<u>\$100,000</u>	2016 Subtotal
	TOTAL	<u>\$100,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #567-Penacook Riverfront Park

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: Tanner Street, Penacook

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="text" value="L"/> Safety	<input type="text" value="L"/> Facility Cond.	<input type="text" value="N/A"/> Productivity	
SERVED:	<input checked="" type="checkbox"/> Replace	<input type="text" value="L"/> Mandates	<input type="text" value="M"/> Service Def.	<input type="text" value="M"/> Tax Base Exp.	<input type="text" value="H"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="text" value="L"/> O + M Costs	<input type="text" value="L"/> Council Goals	<input type="text" value="L"/> Timeliness	Parks
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The purpose of this project is to program capital improvements for the Penacook Riverfront Park located on Tanner Street. Projects included herein include maintenance of the existing facility, as well as potential acquisition of abutting privately owned property for park expansion. Property comprising the park was assembled by the City from 1947 - 1982. The last major capital investment for the property occurred in the late 1980s.

Proposed capital improvements include acquisition of additional waterfront property, refurbishment of walkways, lighting, fencing, signage, and landscaping, ar installation of a small playground. Improvements may also include a portage for kayaks and other non-motorized watercraft.

SERVICE IMPACT: Improvements will help revitalize an underutilized public park directly abutting the Contocook River. In addition, public investment will serve as a catalyst for private investment in abutting properties.

IMPACT IF NOT FUNDED: The park will continue to deteriorate. Eventually, the facility will become an attractive nuisance and location for illicit activity. A poorly maintained facility wi serve as a disincentive for private investment in abutting properties.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

Expected Bond Term (in Years)

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #567-Penacook Riverfront Park

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Donations	0	0	0	18,000	0	0	0	0	0	0	18,000
General	G.O. Bonds	0	0	0	50,000	0	0	0	0	0	0	50,000
General	Impact Fees Rec Dist 1	0	0	0	35,000	0	0	0	0	0	0	35,000
Other	Federal	0	0	0	80,000	0	0	0	0	0	0	80,000
	Total	0	0	0	183,000	0	0	0	0	0	0	183,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	Other Federal	80,000	Renovations of existing park, as well as improvements at newly acquired property. Improvements to include reconstruction of walkways, signage, and lighting, as well as installation of additional plantings. Ornamental safety fence will be extended onto newly acquired property. Federal share.
	General G.O. Bonds	50,000	General Fund share.
	General Impact Fees Rec Dist 1	35,000	Acquisition of abutting private property, including due diligence and legal costs, as well as installation of improvements.
	General Donations	18,000	NH Charitable Foundation Grant share.
		<u>\$183,000</u>	2018 Subtotal
	TOTAL	<u>\$183,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #568-Police Cruiser Light Bar Replacement Program

I. PROJECT TYPE: Public Safety

II. LOCATION:

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="H"/> Safety	<input type="checkbox" value="N/A"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="L"/> Mandates	<input type="checkbox" value="H"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="N/A"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox" value="M"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	Motor Vehicle Equipment
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Police cruiser light bars will need replacement.

SERVICE IMPACT: Light bars on most cruisers were installed approximately 10 years ago during the CAR-54 project. The light bars are at the end of their useful life. Repair parts will be hard to locate. Circuit boards and control panel/switches will soon become obsolete.

IMPACT IF NOT FUNDED: Continue to use existing. However, all emergency vehicles need to be equipped with functioning emergency lights for safety reasons.

IV. PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	25,000	25,000	30,000	0	0	0	0	0	0	80,000
	Total	0	25,000	25,000	30,000	0	0	0	0	0	0	80,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Capital Transfer	25,000	Phase I of cruiser light bar replacement. Replace five units. Approx. \$5,000 each.
		<u>\$25,000</u>	2016 Subtotal

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT:	POLICE - OPERATIONS	#568-Police Cruiser Light Bar Replacement Program	
2017	General Capital Transfer	25,000	Phase II light bar replacement: Replace 5 units.
		\$25,000	2017 Subtotal
2018	General Capital Transfer	30,000	Phase III light bar replacement: Replace 6 units.
		\$30,000	2018 Subtotal
	TOTAL	\$80,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #569-Parks and Cemeteries Small Turf Equipment

I. PROJECT TYPE: Other Vehicles

II. LOCATION:

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Safety Facility Cond. Productivity
 Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: This project establishes a long-range replacement plan for Parks and Recreation smaller turf equipment. Phased replacement of equipment will minimize potential service interruptions due to break downs / failures.

SERVICE IMPACT: Establishes long range replacement plan that improves service with more reliable equipment, lower costs due to multi-vehicle procurements and maintenance support. Supports appropriate reassignment of some serviceable equipment to less critical tasks instead of replacement.

IMPACT IF NOT FUNDED: Without routine investments, use of obsolete unreliable equipment will result in more frequent equipment failures leading to less productivity of staff and less efficient maintenance of facilities. Delayed acquisition of new equipment will lead to increased repair costs.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	70,000	51,000	45,000	53,000	41,000	11,000	19,000	49,000	53,000	0	392,000
	Total	70,000	51,000	45,000	53,000	41,000	11,000	19,000	49,000	53,000	0	392,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #569-Parks and Cemeteries Small Turf Equipment

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	50,000	Two 4 wheel drive turf tractors and implements
	General G.O. Bonds	20,000	Replace out front rotary mower; parks
		\$70,000	2015 Subtotal
2016	General G.O. Bonds	21,000	Replace tractor; parks
	General G.O. Bonds	18,000	Replace out front mower; cemetery
	General G.O. Bonds	12,000	Replace turf over seeder; parks
		\$51,000	2016 Subtotal
2017	General G.O. Bonds	24,000	Replace infield pro; parks
	General G.O. Bonds	21,000	Replace tractor; parks
		\$45,000	2017 Subtotal
2018	General G.O. Bonds	23,000	Replace infield mower; parks
	General G.O. Bonds	21,000	Replace out front mower; parks
	General G.O. Bonds	9,000	Replace front mounted blowers; parks and cemetery
		\$53,000	2018 Subtotal
2019	General G.O. Bonds	23,000	Replace infield pro; parks
	General G.O. Bonds	18,000	Replace out-front rotary; cemetery
		\$41,000	2019 Subtotal
2020	General G.O. Bonds	11,000	Replace deep tine aerator
		\$11,000	2020 Subtotal
2021	General G.O. Bonds	19,000	Replace sweeper; cemetery

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	REC-GROUNDS	#569-Parks and Cemeteries		Small Turf Equipment	
			\$19,000		2021 Subtotal
2022	General G.O. Bonds		28,000	Replace small loader/backhoe; cemetery	
	General G.O. Bonds		21,000	Replace out front rotary	
			\$49,000		2022 Subtotal
2023	General G.O. Bonds		35,000	Replace large area aerator; parks	
	General G.O. Bonds		18,000	Replace out front rotary; cemetery	
			\$53,000		2023 Subtotal
	TOTAL		\$392,000		

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #570-Pleasant/Warren/Fruit Intersection Improvements

I. PROJECT TYPE: Intersections

II. LOCATION: Pleasant Street/Warren Street/Fruit Street Intersection

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Intersection Improvement

DESCRIPTION: Following completion of a 2013 Engineering Study of the Pleasant/Warren/Fruit intersection, City Council accepted a report outlining improvement options and priorities. In order to maintain acceptable levels of service and traffic and pedestrian safety, staff recommended major intersection reconstruction at this critical location. Endorsed by both the Traffic Operations Committee and the Transportation Policy Advisory Committee, the project proposes a roundabout to replace the existing signalized intersection.

SERVICE IMPACT: Improved traffic level of service, capacity, and pedestrian and bike safety at this critical location.

IMPACT IF NOT FUNDED: Continued congestions, limited levels of service, increased traffic accidents, and pedestrian safety concerns.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2015

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 25

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	0	0	0	0	0	750,000	0	0	0	0	750,000
General	Impact Fees Traf Dist 3	0	200,000	0	0	0	0	0	0	0	0	200,000
	Total	0	200,000	0	0	0	750,000	0	0	0	0	950,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #570-Pleasant/Warren/Fruit Intersection Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Impact Fees Traf Dist 3	<u>200,000</u>	Acquisition of property adjacent to intersection project area.
		\$200,000	2016 Subtotal
2020	General G.O. Bonds	<u>750,000</u>	Design and Construction of intersection improvements.
		\$750,000	2020 Subtotal
	TOTAL	<u>\$950,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #571-I-393/Horseshoe Pond Drainage Improvements

I. PROJECT TYPE: Storm Sewer

II. LOCATION: I-393/North Main Street/Horseshoe Pond Drainage Area

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New Replace Rebuild Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

Safety Mandates O + M Costs Facility Cond. Service Def. Council Goals Productivity Tax Base Exp. Timeliness City Master Pl. Other

DESCRIPTION: Reoccurring flooding along the I-393 Corridor and North Main Street has resulted in private property damage. This project, in cooperation with NHDOT and NHDES shall replace affected drainage systems and provides storm water overflow capacity within the subject intersection.

SERVICE IMPACT: Provides long-term solution to drainage problem and eliminates ongoing property damage.

IMPACT IF NOT FUNDED: Without improvement, the drainage area will still be subject to intermittent flooding and property damage.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2015 PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 25 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	G.O. Bonds	120,000	0	0	0	0	0	0	0	0	0	120,000
Other	State	460,000*	0	0	0	0	0	0	0	0	0	460,000
General	Capital Transfer	20,000	0	0	0	0	0	0	0	0	0	20,000
	Total	600,000	0	0	0	0	0	0	0	0	0	600,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #571-I-393/Horseshoe Pond Drainage Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Other State	380,000	Design, permitting, and construction of drainage improvements. (NHDOT share)
	General G.O. Bonds	120,000	Design, permitting, and construction of drainage improvements. (City share)
	Other State	60,000	Watershed management Study. (NHDES share)
	General Capital Transfer	20,000	Watershed Management Study. (City share)
	Other State	20,000	Watershed Management Study. (NHDOT share)
		\$600,000	2015 Subtotal
	TOTAL	\$600,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #572-Airport Master Plan

I. PROJECT TYPE: Airport

II. LOCATION: Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED New Safety Facility Cond. Productivity
 SERVED: Replace Mandates Service Def. Tax Base Exp. City Master Pl.
 Rebuild O + M Costs Council Goals Timeliness Airport
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: The current Airport Master Plan was last updated in 2006. Periodic updates are required every 10-20 years in order to plan future capital investments designed to keep the facility viable within the framework of the New England general aviation market.

SERVICE IMPACT: Recommendations will provide focused direction to the city for airport improvements and management structure.

IMPACT IF NOT FUNDED: Application of future Federal grants for airport improvements will be denied if Master Plan is not current.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
Other	Federal	0	0	0	0	0	190,000	0	0	0	0	190,000
Other	State	0	0	0	0	0	10,554	0	0	0	0	10,554
Airport	Capital Transfer	0	0	0	0	0	10,554	0	0	0	0	10,554
	Total	0	0	0	0	0	211,108	0	0	0	0	211,108

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #572-Airport Master Plan

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2020	Other Federal	190,000	Airport Master Plan Update. Federal share
	Other State	10,554	Airport Master Plan Update. State share
	Airport Capital Transfer	10,554	Airport Master Plan Update. City share
		\$211,108	2020 Subtotal
	TOTAL	\$211,108	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #573-Fire Department Personnel Protective Equipment

I. PROJECT TYPE: Public Safety

II. LOCATION: All Stations

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New H Safety H Facility Cond. M Productivity
 Replace L Mandates M Service Def. N/A Tax Base Exp. L City Master Pl.
 Rebuild L O + M Costs L Council Goals M Timeliness
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: This project entails the systematic replacement of protective clothing, gear, and equipment. Protective gear typically has a useful life of approximately 6 -10 years. Through a systematic, structured process the City can maintain an adequate reserve of protective clothing for replacement. CFD inspects its protective gear ensemble twice a year and has identified several sets that need replacement. Repair costs are increasing on the oldest sets.

This project also includes systematic replacement of self contained personal breathing apparatus.

SERVICE IMPACT: By funding this project, the City will be able to ensure fire personnel are properly protected and outfitted to carry out fire fighting activities.

IMPACT IF NOT FUNDED: The City's ability to effectively and efficiently respond to fire calls will be reduced and costs of repairing gear will increase. Also, safety of department personnel could be compromised.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	0	0	70,000	70,000	70,000	0	0	0	0	210,000
General	G.O. Bonds	0	600,000	0	0	0	0	0	0	0	210,000	810,000
	Total	0	600,000	0	70,000	70,000	70,000	0	0	0	210,000	1,020,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #573-Fire Department Personnel Protective Equipment

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	600,000	Breathing apparatus replacement. All breathing apparatus has an anticipated life expectancy. By using apparatus beyond their functional life expectancy, maintenance costs increase and the potential for a catastrophic failure and ensuing death or injury increases. Existing breathing apparatus was placed in service in 2005 and are used daily.
		\$600,000	2016 Subtotal
2018	General Capital Transfer	70,000	Systematic replacement of Firefighting protective clothing.
		\$70,000	2018 Subtotal
2019	General Capital Transfer	70,000	Systematic replacement of Firefighting protective clothing.
		\$70,000	2019 Subtotal
2020	General Capital Transfer	70,000	Systematic replacement of Firefighting protective clothing.
		\$70,000	2020 Subtotal
2024	General G.O. Bonds	210,000	Protective Clothing Replacement
		\$210,000	2024 Subtotal
TOTAL		\$1,020,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #574-Development Permitting Software

I. PROJECT TYPE: Information Technology & Communications

II. LOCATION:

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="text" value="L"/> Safety	<input type="text" value="N/A"/> Facility Cond.	<input type="text" value="M"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="text" value="L"/> Mandates	<input type="text" value="L"/> Service Def.	<input type="text" value="N/A"/> Tax Base Exp.	<input type="text" value="N/A"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="text" value="L"/> O + M Costs	<input type="text" value="N/A"/> Council Goals	<input type="text" value="M"/> Timeliness	
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The current City permitting software, Permit Tracker, has been in place for over a decade and is showing limitations. It does not have the ability to handle contemporary expectations for online customer service uses. It's customization to Concord has also restricted its ability to grow with changes in technology. Technical support for the existing software is also tenuous as this service is solely dependent on one individual, the original programmer.

The Department has completed research into modern "off the shelf" software packages that would be dynamic enough to grow with the City's needs. This CIP would allow the Department to issue an Request for Proposals to acquire off-the-shelf software that can meet the existing and future needs of the Department and provide enhanced customer service options.

SERVICE IMPACT: Will provide a more dynamic software package to assist the City with permitting and inspection processes for new development and other construction related projects. New software will also allow for on-line integration for improved customer service.

IMPACT IF NOT FUNDED: Current software program is approximately 10 years old and was developed by a sole proprietor consultant. It is unclear how long the consultant will be able to continue to provide tech support for the existing software program. In addition, customer service will remain unchanged due to inability to adapt the current program for on-line use.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2004

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 10

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	0	40,000	0	0	0	0	0	0	0	0	40,000
	Total	0	40,000	0	0	0	0	0	0	0	0	40,000

2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-COMMUNITY PLANNING #574-Development Permitting Software

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Capital Transfer	40,000	Acquire development permitting software
		<u>\$40,000</u>	2016 Subtotal
	TOTAL	<u>\$40,000</u>	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #575-Police Vehicle Replacement

I. PROJECT TYPE: Other Vehicles

II. LOCATION:

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="H"/> Safety	<input type="checkbox" value="H"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="N/A"/> Mandates	<input type="checkbox" value="N/A"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="checkbox" value="N/A"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="checkbox" value="L"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="M"/> Timeliness	
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The purpose of this capital project is to provide funding for the routine replacement of Police Department vehicles (excluding parking enforcement vehicles which are addressed by a separate capital project). As of April 2014, the City had 24 cruisers / command SUVs / and unmarked vehicles. Prior to FY2015, this item was carried within the City's operating budget.

SERVICE IMPACT: Establishing a schedule for routine replacement of police department vehicles will ensure that a reliable fleet of modern cruisers and command vehicles exists to serve the community.

IMPACT IF NOT FUNDED: Typically, vehicles are used in the "marked" fleet for approximately 3 years, then transferred to the unmarked fleet for an additional 2 years of use. Without routine replacement, the department will be required to operate with older vehicles which are more susceptible to mechanical failures. This could result in increased maintenance expenses for the City.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Transfer	140,000	140,000	140,000	150,000	150,000	160,000	160,000	170,000	170,000	180,000	1,560,000
	Total	140,000	140,000	140,000	150,000	150,000	160,000	160,000	170,000	170,000	180,000	1,560,000

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #575-Police Vehicle Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Transfer	140,000	Replacement of 4 vehicles.
		\$140,000	2015 Subtotal
2016	General Capital Transfer	140,000	Replacement of 4 vehicles.
		\$140,000	2016 Subtotal
2017	General Capital Transfer	140,000	Replacement of 4 vehicles.
		\$140,000	2017 Subtotal
2018	General Capital Transfer	150,000	Replacement of 4 vehicles.
		\$150,000	2018 Subtotal
2019	General Capital Transfer	150,000	Replacement of 4 vehicles.
		\$150,000	2019 Subtotal
2020	General Capital Transfer	160,000	Replacement of 4 vehicles.
		\$160,000	2020 Subtotal
2021	General Capital Transfer	160,000	Replacement of 4 vehicles.
		\$160,000	2021 Subtotal
2022	General Capital Transfer	170,000	Replacement of 4 vehicles.
		\$170,000	2022 Subtotal
2023	General Capital Transfer	170,000	Replacement of 4 vehicles.
		\$170,000	2023 Subtotal

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	POLICE - OPERATIONS	#575-Police Vehicle Replacement	
2024	General Capital Transfer	180,000	Replacement of 4 vehicles.
		\$180,000	2024 Subtotal
	TOTAL	\$1,560,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #576-General Facility Repairs

I. PROJECT TYPE: Public Buildings

II. LOCATION: City Wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED:	<input type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="H"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
	<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="M"/> Mandates	<input type="checkbox" value="H"/> Service Def.	<input type="checkbox" value="N/A"/> Tax Base Exp.	<input type="text"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="M"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="N/A"/> Timeliness	
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: The purpose of this capital project is to finance assorted small capital projects and maintenance activities at City owned buildings.

SERVICE IMPACT: Undertaking small capital projects helps to ensure appropriate maintenance of building systems, thereby helping to reduce long-term maintenance costs and extend the useful life of facilities.

IMPACT IF NOT FUNDED: Repair costs will increase and the functional life of building systems may be reduced, thereby requiring premature replacement at significant cost.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Ten Years
General	Capital Close-out	25,000	0	0	0	0	0	0	0	0	0	25,000
General	Capital Transfer	0	24,425	25,000	25,000	30,000	30,000	30,000	30,000	30,000	0	224,425
	Total	25,000	24,425	25,000	25,000	30,000	30,000	30,000	30,000	30,000	0	249,425

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #576-General Facility Repairs

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Close-out	25,000	Library cooling tower (\$6,400) Lighting improvements (\$5,700) Waste oil tank improvements at COMF (\$5,860) Partitions at Green Street Community Center (\$5,900) Countertop replacement at Code Administration (\$1,140)
		\$25,000	2015 Subtotal
2016	General Capital Transfer	24,425	Replacement of Penacook Library Furnace (\$9,500) Partitions at COMF (\$4,900) Misc. COMF Repairs (\$10,025)
		\$24,425	2016 Subtotal
2017	General Capital Transfer	25,000	
		\$25,000	2017 Subtotal
2018	General Capital Transfer	25,000	
		\$25,000	2018 Subtotal
2019	General Capital Transfer	30,000	
		\$30,000	2019 Subtotal
2020	General Capital Transfer	30,000	
		\$30,000	2020 Subtotal
2021	General Capital Transfer	30,000	
		\$30,000	2021 Subtotal
2022	General Capital Transfer	30,000	

**2015-2024
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#576-General Facility Repairs	
		\$30,000	2022 Subtotal
2023	General Capital Transfer	30,000	
		\$30,000	2023 Subtotal
	TOTAL	\$249,425	