

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: INFORMATION TECHNOLOGY #2-Information System Replacement/Upgrade Program (IS)

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 this 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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: INFORMATION TECHNOLOGY #2-Information System Replacement/Upgrade Program (IS)

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	161,190	135,000	108,000	131,100	154,500	92,100	92,040	92,100	154,500	111,600	1,232,130
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	17,800	20,800	11,000	20,160	15,840	14,160	9,440	14,160	15,840	17,200	156,400
Water	Capital Transfer	26,000	13,900	16,600	13,440	23,760	9,440	14,160	9,440	23,760	11,500	162,000
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
General	Capital Close-out	12,809	0	0	0	0	0	0	0	0	0	12,809
	Total	224,799	176,700	142,600	171,700	201,100	122,700	122,640	122,700	201,100	147,300	1,633,339

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General Capital Transfer	161,190	Replace Hardware, Routers, Switches, monitors. Printer replacement. Replace Police mobile computers. Software upgrades.
	Water Capital Transfer	26,000	Water share of above.
	Sewer Capital Transfer	17,800	Sewer Share of Above
	General Capital Close-out	12,809	Close Out Share
	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.
		<u>\$224,799</u>	2014 Subtotal
2015	General Capital Transfer	135,000	Replace Hardware, computers, laptops, monitors. Replace end-of-life servers. Printers. Software upgrades.
	Sewer Capital Transfer	20,800	Sewer Share of Above
	Water Capital Transfer	13,900	Water Share of Above
	Parking Capital Transfer	3,000	Parking share of above
	Golf Capital Transfer	3,000	Golf share of above

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	INFORMATION TECHNOLOGY	#2-Information System Replacement/Upgrade Program (IS)	
	Arena Capital Transfer	1,000	Arena Share of above
		\$176,700	2015 Subtotal
2016	General Capital Transfer	108,000	Replace Hardware, 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	16,600	Water Share of Above
	Sewer Capital Transfer	11,000	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
		\$142,600	2016 Subtotal
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 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 Apparatus 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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	INFORMATION TECHNOLOGY	#2-Information System Replacement/Upgrade Program (IS)	
	Arena Capital Transfer	1,000	Arena share of above
		\$201,100	2018 Subtotal
2019	General Capital Transfer	92,100	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).
	Sewer Capital Transfer	14,160	Sewer Share of Above
	Water Capital Transfer	9,440	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
		\$122,700	2019 Subtotal
2020	General Capital Transfer	92,040	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).
	Water Capital Transfer	14,160	Water Share of Above
	Sewer Capital Transfer	9,440	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
		\$122,640	2020 Subtotal
2021	General Capital Transfer	92,100	Replace Hardware, computers, laptops, monitors (\$60,000). 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	14,160	Sewer Share of the Above
	Water Capital Transfer	9,440	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
		\$122,700	2021 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	INFORMATION TECHNOLOGY		#2-Information System Replacement/Upgrade Program (IS)
2022	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 Apparatus 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	2022 Subtotal
2023	General Capital Transfer	111,600	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 Apparatus Mobile computers (\$80,000)
	Sewer Capital Transfer	17,200	Sewer Share of Above
	Water Capital Transfer	11,500	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
		\$147,300	2023 Subtotal
	TOTAL	\$1,633,339	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #4-Apparatus 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	0	40,000	0	0	0	80,000	0	130,000	0	0	250,000
General	G.O. Bonds	535,000	40,000	535,000	530,000	550,000	475,000	120,000	0	60,000	1,500,000	4,345,000
	Total	535,000	80,000	535,000	530,000	550,000	555,000	120,000	130,000	60,000	1,500,000	4,595,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #4-Apparatus Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General G.O. Bonds	535,000	Replace Engine #4 (2002)
		\$535,000	2014 Subtotal
2015	General G.O. Bonds	40,000	Replace Chief's Car (2007)
	General Capital Transfer	40,000	Replacement of Support Vehicle (2003)
		\$80,000	2015 Subtotal
2016	General G.O. Bonds	535,000	Replace Engine #5 (2003)
		\$535,000	2016 Subtotal
2017	General G.O. Bonds	250,000	Replacement of Tanker Truck that has been in service for 20 years
	General G.O. Bonds	230,000	Replace Ambulance 5
	General G.O. Bonds	50,000	Systematic replacement of 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 & Ambulance 7
	General Capital Transfer	80,000	Systematic replacement of staff vehicles.
		\$555,000	2019 Subtotal
2020	General G.O. Bonds	120,000	Replace Forestry 4 & 7 (2008)
		\$120,000	2020 Subtotal
2021	General Capital Transfer	80,000	Systematic Replacement of 2 Staff Vehicles

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	FIRE #4-Apparatus Replacement		
	General Capital Transfer	50,000	Systematic replacement of command vehicle
		\$130,000	2021 Subtotal
2022	General G.O. Bonds	60,000	Replace Fire Prevention Education Trailer purchased 2003
		\$60,000	2022 Subtotal
2023	General G.O. Bonds	1,500,000	Systematic Replacement of Ladder Truck
		\$1,500,000	2023 Subtotal
	TOTAL	\$4,595,000	

**2014-2023
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: Various Locations Throughout the City

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="checkbox" value="L"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="M"/> Productivity	
SERVED:	<input type="checkbox"/> Replace	<input type="checkbox" value="H"/> Mandates	<input type="checkbox" value="M"/> Service Def.	<input type="checkbox" value="L"/> Tax Base Exp.	<input type="checkbox" value="H"/> City Master Pl.
	<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="L"/> O + M Costs	<input type="checkbox" value="L"/> Council Goals	<input type="checkbox" value="M"/> 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Highway Reserve	0	0	0	120,000	0	60,000	0	60,000	0	120,000	360,000
General	Transportation Imprvmt	0	0	0	176,000	0	176,000	0	200,000	0	200,000	752,000
General	Donations	0	0	0	0	0	15,000	0	0	0	0	15,000
	Total	0	0	0	296,000	0	251,000	0	260,000	0	320,000	1,127,000

**2014-2023
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 Transportation Imprvmt	176,000	FY2016 Transportation Improvement Fund share of project.
	General Highway Reserve	120,000	Penacook Village Area - Sidewalk/streetscape construction including sections along High Street, Community Drive, Allen Street, East Street, Summer Street, Stark Street, and Merrimack Street.
		\$296,000	2017 Subtotal
2019	General Transportation Imprvmt	176,000	FY2018 Transportation Improvement Fund share of project.
	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 Transportation Imprvmt	200,000	FY 2020 Transportation Improvement Fund share of project.
	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 Transportation Imprvmt	200,000	FY2022 Transportation Improvement Fund share of project.
	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	

**2014-2023
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: Hinders economic development/redevelopment in the south end development corridor, prohibits of achieving long-standing goal of connecting Horseshoe Pond 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	2,750,000	0	0	0	2,750,000
Other	Tax Increment Financing	900,000*	0	0	0	250,000	2,500,000	0	0	0	0	3,650,000
	Total	900,000	0	0	0	250,000	2,500,000	2,750,000	0	0	0	6,400,000

**2014-2023
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
2014	Other Tax Increment Financing	900,000	Acquisition of property for Storrs Street North Ext Right-of-Way. Excludes site clearing, environmental clean-up, and related costs.
		\$900,000	2014 Subtotal
2018	Other Tax Increment Financing	250,000	Storrs Street Extension design from the current north end of Storrs Street at the Holiday Inn to Constitution Avenue.
		\$250,000	2018 Subtotal
2019	Other Tax Increment Financing	2,500,000	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.
		\$2,500,000	2019 Subtotal
2020	General G.O. Bonds	2,500,000	Storrs Street Extension construction southerly from Theatre Street beneath the Water Street bridge to Langdon Avenue.
	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.
		\$2,750,000	2020 Subtotal
	TOTAL	\$6,400,000	

**2014-2023
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	<input type="checkbox"/> 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): 10 Expected Bond Term (in Years)

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	155,000*	0	0	900,000	0	750,000	0	0	0	0	1,805,000
Other	Federal	1,372,500*	0	0	0	0	0	0	0	0	0	1,372,500
	Total	1,527,500	0	0	900,000	0	750,000	0	0	0	0	3,177,500

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Other Federal	1,372,500	Phase 1 - Traffic Safety Improvements including the reduction of the 4-lane section to a 3-lane section from Airport Road/Hazen Drive to D'Amante Drive (8,000 LF) and related access management strategies. Phase 1 is estimated at \$1,525,000. Part of the Federal Highway Administration (FHWA) Highway Safety Improvement Program (HSIP), this project is 90% federally funded. (90% Federal share = \$1,372,500)
	General G.O. Bonds	155,000	Phase 1 - Traffic Safety Improvements. (10% City share = \$152,500) Rounded to nearest \$5,000 for purposes of bond issuance.
		<u>\$1,527,500</u>	2014 Subtotal
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.
		<u>\$900,000</u>	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.
		<u>\$750,000</u>	2019 Subtotal
	TOTAL	<u>\$3,177,500</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #22-Sewalls Falls Bridge Replacement/Rehabilitation Project

I. PROJECT TYPE: Bridges

II. LOCATION: Sewalls Falls Road

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="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 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
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Based on joint City/State Advisory Committee findings in late 2006, the Sewalls Falls Bridge Replacement/Rehabilitation Project scope now includes the rehabilitation of the existing bridge structure and the construction of a new bridge structure to the north, both featuring one-way travel. Additionally, work will include the construction of new roadway approach sections. The final bridge design will not preclude the possibility of a future connection to I-93, if needed.

Minor structural repairs to the bridge began in 2001 and continue today. In Fall 2009, NHDOT determined the bridge critically deficient and recommended down posting the bridge load rating from 14 tons to 10 tons.

Total project cost is currently estimated at \$15,065,160. (City share 20%, Federal share 80%).

SERVICE IMPACT: Improve access between east and west areas of City (replace narrow bridge). A nominal increase in highway operation and maintenance cost is expected with the addition of the new bridge span.

IMPACT IF NOT FUNDED: Further deterioration of existing structure resulting in increased maintenance cost and restricted vehicle access (load limits) and the likelihood of full closure to vehicle traffic.

IV PREVIOUS FISCAL YEAR AUTHORIZED: July 1997 PREVIOUS AMOUNT:

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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #22-Sewalls Falls Bridge Replacement/Rehabilitation Project

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Impact Fees Traf Dist 1	23,780*	0	0	0	0	0	0	0	0	0	23,780
General	Impact Fees Traf Dist 2	37,300*	0	0	0	0	0	0	0	0	0	37,300
Other	Federal	8,000,000*	0	0	0	0	0	0	0	0	0	8,000,000
General	G.O. Bonds	1,940,000*	0	0	0	0	0	0	0	0	0	1,940,000
	Total	10,001,080	0	0	0	0	0	0	0	0	0	10,001,080

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Other Federal	8,000,000	Construction Costs (80% Federal/State Share of Total Construction Cost of \$10,000,000)
	General G.O. Bonds	1,940,000	Construction Costs (20% City Share of Total Construction Cost of \$10,000,000)
	General Impact Fees Traf Dist 2	37,300	Impact Fee District 2 Share of Project
	General Impact Fees Traf Dist 1	23,780	Impact Fee District 1 Share of Project
		<u>\$10,001,080</u>	2014 Subtotal
	TOTAL	<u>\$10,001,080</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Impact Fees Traf Dist 2	0	0	100,000	0	0	0	0	0	0	0	100,000
General	G.O. Bonds	0	0	600,000	0	0	0	0	0	0	0	600,000
	Total	0	0	700,000	0	0	0	0	0	0	0	700,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	600,000	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	100,000	Impact Fee Portion
		<u>\$700,000</u>	2016 Subtotal
	TOTAL	<u>\$700,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

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. Hoit Road widening is in place, therefore only the additional signal equipment and related utility infrastructure will be required.

SERVICE IMPACT: Provide appropriate level of service (when required) for Economic Development. Slight increase in O&M costs associated with 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Donations	0	0	0	1,300,000	0	0	0	0	0	0	1,300,000
General	Impact Fees Traf Dist 1	0	0	0	200,000	0	0	0	0	0	0	200,000
	Total	0	0	0	1,500,000	0	0	0	0	0	0	1,500,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	General Donations	1,300,000	Design and Construction of Hoit & Whitney Traffic Signal. Total project cost \$1,500,000. (Developer share of project = \$1,300,000)
	General Impact Fees Traf Dist 1	200,000	Design and Construction of Hoit & Whitney Traffic Signal. Total project cost \$1,500,000. (IFF share of project = \$200,000)
		\$1,500,000	2017 Subtotal
	TOTAL	\$1,500,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

I. PROJECT TYPE: Intersections

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

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"/> L Mandates	<input type="checkbox"/> L Service Def.	<input type="checkbox"/> N/A Tax Base Exp.	<input type="checkbox"/> M City Master Pl.
<input type="checkbox"/> Rebuild	<input type="checkbox"/> L O + M Costs	<input type="checkbox"/> L Council Goals	<input type="checkbox"/> 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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	800,000	0	0	0	0	0	800,000
General	Impact Fees Traf Dist 3	0	0	0	100,000	0	0	0	0	0	0	100,000
	Total	0	0	0	100,000	800,000	0	0	0	0	0	900,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	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.
		\$100,000	2017 Subtotal
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.
		\$800,000	2018 Subtotal
	TOTAL	\$900,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #34-Signalization of North Main Street and Storrs Street

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):

15

Expected Bond Term (in Years)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #34-Signalization of North Main Street and Storrs Street

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Impact Fees Traf Dist 3	0	0	0	0	0	5,000	0	0	0	0	5,000
General	G.O. Bonds	0	0	0	0	200,000	0	500,000	0	0	0	700,000
	Total	0	0	0	0	200,000	5,000	500,000	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.
		\$200,000	2018 Subtotal
2019	General Impact Fees Traf Dist 3	5,000	Preliminary design, legal review and negotiation for right-of-way to construct traffic signal. Impact fee portion of project.
		\$5,000	2019 Subtotal
2020	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.
		\$500,000	2020 Subtotal
	TOTAL	\$705,000	

**2014-2023
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. Since 2007, about 3 miles of the 5.5 mile corridor has been completed with construction expected through FY2015.

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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	2,200,000	2,500,000	0	0	0	0	0	0	0	0	4,700,000
	Total	2,200,000	2,500,000	0	0	0	0	0	0	0	0	4,700,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General G.O. Bonds	2,200,000	Priority Area 5 - Construction of roadway improvements on Village Street from the Boscawen Town Line to Stark Street (3,400 LF) including roadway, pedestrian, bicycle, utility facilities and intersection improvements at Meter Street, Washington Street and Canal Street. Supplements \$1,735,000 appropriated on March 11, 2013 by Resolution #8647.
		\$2,200,000	2014 Subtotal
2015	General G.O. Bonds	2,500,000	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
		\$2,500,000	2015 Subtotal
	TOTAL	\$4,700,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #36-Manchester Street Reconstruction

I. PROJECT TYPE: Street Corridor Improvements

II. LOCATION: Manchester Street from Exit 13 Terminus to Route 106 Intersection

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	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 will participate in widening to four lanes, the section of Manchester Street from Airport Road (Urban Compact) to the town line. Cost share will be as follows: 2/3 State; 1/3 City.

Future traffic modeling projects volumes over 50,000 ADT 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.

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #36-Manchester Street Reconstruction

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	2,250,000	3,550,000	0	0	5,800,000
General	Highway Reserve	0	130,000	0	0	0	0	0	0	0	0	130,000
Other	State	0	0	0	0	0	0	1,670,000	0	0	0	1,670,000
Sewer	Capital Transfer	0	0	0	0	0	0	14,000	0	0	0	14,000
Sewer	G.O. Bonds	0	0	0	0	0	0	0	170,000	0	0	170,000
Water	G.O. Bonds	0	0	0	0	0	0	0	110,000	0	0	110,000
Total		0	130,000	0	0	0	0	3,934,000	3,830,000	0	0	7,894,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Highway Reserve	130,000	Interim pavement overlay and associated road maintenance until permanent corridor improvement is funded.
		\$130,000	2015 Subtotal
2020	General G.O. Bonds	2,250,000	Complete associated improvements with Airport Rd / Integra Drive intersection improvements previously funded in FY2009 (\$1.95 Million). Construct the 5 lane signalized intersection improvements at Airport/Integra Drive and reconstruct the storm water conveyance system.
	Other State	1,670,000	Widen Manchester Street (State Route 3 South) from Airport Road the town line. Improvements include widening to accommodate an additional south bound through lane and reconstruct the storm water conveyance system.
	Sewer Capital Transfer	14,000	Replacing deteriorated sanitary sewer service mains and installing new service mains.

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#36-Manchester Street Reconstruction	
		\$3,934,000	2020 Subtotal
2021	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 Banks Chevrolet. 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	2021 Subtotal
	TOTAL	\$7,894,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #39-Old Loudon Road Relocation

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"/> 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 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			

City Master Pl. Intersection Improvement

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Donations	0	0	750,000	0	0	0	0	0	0	0	750,000
	Total	0	0	750,000	0	0	0	0	0	0	0	750,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #39-Old Loudon Road Relocation

VII. PROJECT FUND DETAIL

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

**2014-2023
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: Since the late 1950's, the City has been planning a 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 turr 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 cos

IV PREVIOUS FISCAL YEAR AUTHORIZED: May 1996

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

20

Expected Bond Term (in Years)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #40-Langley Parkway

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Donations	0	0	80,000	1,665,000	0	0	0	0	0	0	1,745,000
General	Impact Fees Traf Dist 3	0	0	170,000	0	0	0	0	0	0	0	170,000
General	G.O. Bonds	0	0	0	3,335,000	3,000,000	0	0	0	0	0	6,335,000
	Total	0	0	250,000	5,000,000	3,000,000	0	0	0	0	0	8,250,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	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>	2016 Subtotal
2017	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>	2017 Subtotal
2018	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>	2018 Subtotal
	TOTAL	<u>\$8,250,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #43-Garvins Falls

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"/> 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: This project provides access to the largest undeveloped non-residential area in the City as depicted in the "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.

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 by 60%. Build out would be delayed further.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 60

Expected Bond Term (in Years)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #43-Garvins Falls

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Sewer	G.O. Bonds	0	0	0	0	0	0	0	0	0	1,275,000	1,275,000
Water	G.O. Bonds	0	0	0	0	0	0	0	0	0	875,000	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	0	5,150,000	5,150,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2023	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.
	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.
		\$5,150,000	2023 Subtotal
	TOTAL	\$5,150,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #50-Cemetery Improvements/Expansion

I. PROJECT TYPE: Cemeteries

II. LOCATION: City Cemeteries

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	Other
<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

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. 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 accelerate. 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Cemetery	Donations	0	0	0	0	0	0	0	0	35,000	0	35,000
General	Capital Transfer	0	0	0	0	0	40,000	0	0	0	0	40,000
General	G.O. Bonds	0	0	0	65,000	70,000	0	100,000	0	0	0	235,000
	Total	0	0	0	65,000	70,000	40,000	100,000	0	35,000	0	310,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #50-Cemetery Improvements/Expansion

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 G.O. Bonds	40,000	Paving roads Pine Grove East Concord
	General G.O. Bonds	30,000	Paving roads in Pine Grove Cemetery
		\$70,000	2018 Subtotal
2019	General Capital Transfer	40,000	Paving roads in Blossom Hill Cemetery
		\$40,000	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	

**2014-2023
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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #51-White Park

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Outlay	0	0	0	0	0	85,000	0	0	10,000	0	95,000
General	Donations	0	350,000	0	0	90,000	0	0	0	0	0	440,000
General	G.O. Bonds	0	350,000	0	0	90,000	0	125,000	125,000	0	0	690,000
	Total	0	700,000	0	0	180,000	85,000	125,000	125,000	10,000	0	1,225,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	350,000	Multi-Purpose Building & Pond Project. City portion
	General Donations	350,000	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 \$700,000.
		<u>\$700,000</u>	2015 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 renovation of basketball court.
	General Capital Outlay	25,000	Replace basketball / hockey lights to energy efficient lights.
		<u>\$85,000</u>	2019 Subtotal
2020	General G.O. Bonds	125,000	Phase I Replace Perimeter Fencing.
		<u>\$125,000</u>	2020 Subtotal
2021	General G.O. Bonds	125,000	Phase II Replace Perimeter Fencing.
		<u>\$125,000</u>	2021 Subtotal

**2014-2023
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 (GSD).
			\$10,000	2022 Subtotal
	TOTAL		\$1,225,000	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Outlay	0	0	0	0	0	0	0	20,000	0	0	20,000
General	G.O. Bonds	0	0	20,000	0	75,000	0	75,000	0	0	0	170,000
	Total	0	0	20,000	0	75,000	0	75,000	20,000	0	0	190,000

**2014-2023
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	20,000	Crack seal and resurface 3 basketball and tennis courts at Keach Park.
		\$20,000	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	20,000	Replace irrigation system pump and appurtenances.
		\$20,000	2021 Subtotal
TOTAL		\$190,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #53-Localizer Compliance

I. PROJECT TYPE: Airport

II. LOCATION: Concord Municipal Airport

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 type="checkbox"/> Replace	<input type="checkbox" value="H"/> 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 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	Airport
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: In 2010, Federal Aviation Administration (FAA) amended the approach flying times for the Concord Municipal Airport. This change resulted in the expansion object free areas which the City must maintain for the Airport's two runways. A Runway Safety Determination Study completed in 2013 recommended installing frangible mounts and a beacon on the localizer building to be in compliance with FAA regulations until a long term solution is approved.

SERVICE IMPACT: Routine maintenance of infrastructure is required by FAA.

IMPACT IF NOT FUNDED: Decrease user activity at facility and negative impact on economic growth of community.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 0 PREVIOUS AMOUNT: 0

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

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Airport	Capital Transfer	17,900	0	0	0	0	0	0	0	0	0	17,900
Other	Federal	52,200*	0	0	0	0	0	0	0	0	0	52,200
Other	State	2,900*	0	0	0	0	0	0	0	0	0	2,900
	Total	73,000	0	0	0	0	0	0	0	0	0	73,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #53-Localizer Compliance

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Other Federal	52,200	Design and install frangible mounts and an obstruction beacon on the localizer.
	Airport Capital Transfer	15,000	Design and install frangible mounts and an obstruction beacon on the localizer. FAA overhead for Reimbursable Agreement is 100% city funded.
	Other State	2,900	Design and install frangible mounts and an obstruction beacon on the localizer.
	Airport Capital Transfer	2,900	Design and install frangible mounts and an obstruction beacon on the localizer.
		\$73,000	2014 Subtotal
TOTAL		\$73,000	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	400,000	425,000	225,000	1,050,000
	Total	0	0	0	0	0	0	0	400,000	425,000	225,000	1,050,000

**2014-2023
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
2021	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	
2022	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.
		\$425,000	
2023	General G.O. Bonds	225,000	Phase IV Construction - develop and complete concession and pavilion area, playground area, final landscaping and infrastructure.
		\$225,000	
	TOTAL	\$1,050,000	

**2014-2023
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:

<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 checked="" type="checkbox"/> Rebuild	<input type="checkbox"/> O + M Costs	<input type="checkbox"/> Council Goals	<input type="checkbox"/> Timeliness	<input type="checkbox"/> 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Impact Fees Rec Dist 3	0	0	0	0	0	0	100,000	0	0	100,000	200,000
General	Capital Transfer	0	0	0	0	0	0	65,000	0	0	0	65,000
General	G.O. Bonds	0	0	0	0	0	0	75,000	0	0	0	75,000
	Total	0	0	0	0	0	0	240,000	0	0	100,000	340,000

2014-2023
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 G.O. Bonds	75,000	Replace playground equipment
	General Capital Transfer	65,000	Reconstruction of Basketball and Tennis Courts.
	General Impact Fees Rec Dist 3	100,000	Installation of lights for Baseball Field.
		<u>\$240,000</u>	2020 Subtotal
2023	General Impact Fees Rec Dist 3	100,000	Installation of an automatic irrigation system in order to maintain fields during dry conditions.
		<u>\$100,000</u>	2023 Subtotal
	TOTAL	<u>\$340,000</u>	

**2014-2023
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 M Safety L Facility Cond. N/A Productivity
 Replace N/A Mandates H Service Def. N/A Tax Base Exp. H City Master Pl.
 Rebuild M 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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	15,000	0	100,000	75,000	75,000	700,000	0	0	965,000
General	Capital Transfer	0	0	0	0	0	0	0	25,000	0	0	25,000
	Total	0	0	15,000	0	100,000	75,000	75,000	725,000	0	0	990,000

**2014-2023
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.
		\$100,000	2018 Subtotal
2019	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	2019 Subtotal
2020	General G.O. Bonds	75,000	Replace playground equipment.
		\$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 Capital Transfer	25,000	Replace baseball field backstop.
		\$725,000	2021 Subtotal
	TOTAL	\$990,000	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	0	50,000	0	0	0	0	0	0	0	0	50,000
	Total	0	50,000	0	0	0	0	0	0	0	0	50,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Transfer	50,000	Placeholder for maintenance of recreation bridge structure and trail approaches.
		<u>\$50,000</u>	2015 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

**2014-2023
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 taking advantage of expansion from and location at the recently re-constructed Exit 13, as well as access to the river.

IMPACT IF NOT FUNDED: There will be an increase in community dissatisfaction, disuse, and avoidance of this recreational asset, and increase costs associated with improvement at a late time.

IV PREVIOUS FISCAL YEAR AUTHORIZED:

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years): 15

Expected Bond Term (in Years)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #59-Terrill Park

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Donations	0	0	0	0	0	0	60,000	475,000	850,000	0	1,385,000
General	G.O. Bonds	0	0	0	0	0	0	0	850,000	475,000	0	1,325,000
General	Impact Fees Rec Dist 4	0	0	0	0	0	0	60,000	0	0	0	60,000
	Total	0	0	0	0	0	0	120,000	1,325,000	1,325,000	0	2,770,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2020	General Donations	60,000	Donations share.
	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.
		\$120,000	2020 Subtotal
2021	General G.O. Bonds	850,000	Phase 1 - Design and construct multi-purpose playing field, grandstands, parking areas and related utilities
	General Donations	475,000	Donations share.
		\$1,325,000	2021 Subtotal
2022	General Donations	850,000	Donations share
	General G.O. Bonds	475,000	Phase 2 - Design and construct concession concourse, team rooms, storage buildings and related park improvements.
		\$1,325,000	2022 Subtotal
	TOTAL	\$2,770,000	

**2014-2023
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" value="L"/> Safety	<input type="checkbox" value="N/A"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
SERVED:	<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="H"/> 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	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): 5

Expected Bond Term (in Years)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	80,000	0	0	0	0	500,000	580,000
General	Impact Fees Rec Dist 4	0	0	0	0	0	0	0	0	100,000	0	100,000
	Total	0	0	0	0	80,000	0	0	0	100,000	500,000	680,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	General G.O. Bonds	80,000	Design, permitting and reconstruction of the public boat ramp and maintenance of boat dock platform.
		\$80,000	2018 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	\$680,000	

**2014-2023
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: 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: Renovations, remodeling and repairs are required at Recreation Facilities throughout the city, including City Pools and Community Centers. Life Safety Code deficiencies must be corrected. Structural deficiencies, weather envelope integrity and support systems must be addressed. Configuration changes are required to support future use of buildings.

With respect to the West Street Ward House, and existing Heights Community Center, all improvements scheduled herein are subject to change due to the potential "Multigenerational Community Center Project", which would close and consolidate 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	250,000	160,000	148,000	280,000	25,000	230,000	0	300,000	0	0	1,393,000
	Total	250,000	160,000	148,000	280,000	25,000	230,000	0	300,000	0	0	1,393,000

**2014-2023
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
2014	General G.O. Bonds	80,000	Repair / replace handicap access ramp at West Street Ward House
	General G.O. Bonds	25,000	Garrison pool repairs, roofs, chlorinators, etc.
	General G.O. Bonds	23,000	Kimball pool repairs, roofs, chlorinators, etc.
	General G.O. Bonds	23,000	Rolfe pool repairs, roofs, chlorinators, etc.
	General G.O. Bonds	22,000	Keach pool repairs, roofs, chlorinators, etc.
	General G.O. Bonds	19,000	White pool repair, roofs, chlorinators, etc.
	General G.O. Bonds	18,000	Merrill pool repairs, roofs, chlorinators, etc.
	General G.O. Bonds	17,000	Rollins pool repair, roofs, chlorinators, etc.
	General G.O. Bonds	15,000	Repair sprinkler deficiencies at Green Street Community Center.
	General G.O. Bonds	8,000	Repair sprinkler deficiencies at the West Street Ward House.
		\$250,000	2014 Subtotal
2015	General G.O. Bonds	130,000	Repair deck cracks and gunite pools at Rolfe Park and Kimball Park.
	General G.O. Bonds	30,000	Repair and paint windows and doors at Green Street Community Center.
		\$160,000	2015 Subtotal
2016	General G.O. Bonds	90,000	Replace the wood floor in the gym at the Green Street Community Center.
	General G.O. Bonds	25,000	ADA updates to the West Street Ward House. Convert existing restrooms into ADA compliant facility. Add signage.
	General G.O. Bonds	20,000	Repair granite stairs and concrete foundation at West Street Ward House.
	General G.O. Bonds	13,000	Replace heating system at West Street Ward House.
		\$148,000	2016 Subtotal
2017	General G.O. Bonds	130,000	Repair deck cracks and gunite pools at Merrill Park and Keach Park.
	General G.O. Bonds	75,000	Replace slate roof at West Street Ward House.
	General G.O. Bonds	50,000	Replace Green Street Community Center roof (last done in 1997).

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#63-City Wide Recreation Facility Improvements	
	General G.O. Bonds	25,000	Replace restroom partitions at all City pools.
		\$280,000	2017 Subtotal
2018	General G.O. Bonds	25,000	Replenish paint, sealing, pipes, and pumps at Bicentennial Square Fountain.
		\$25,000	2018 Subtotal
2019	General G.O. Bonds	210,000	Gunite and seal pools at Garrison Park, White Park, & Rollins Park.
	General G.O. Bonds	20,000	Green Street Community Center: install re-heat coils to the fresh air make up system for the locker rooms. Replace roof vents with motorized units tied into EMS system.
		\$230,000	2019 Subtotal
2021	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), the new Concord Stream Generation Facility moving forward, as well as potential plans to renovate facility into office space for City Hall Campus.
		\$300,000	2021 Subtotal
	TOTAL	\$1,393,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #64-Arena Facility Improvements

I. PROJECT TYPE: Arena

II. LOCATION: Everett Arena

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 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: 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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Arena	Capital Close-out	53,306	0	0	0	0	0	0	0	0	0	53,306
Arena	Capital Outlay	0	0	20,000	25,000	0	0	0	0	0	0	45,000
Arena	Capital Transfer	98,500	50,000	0	0	0	0	0	0	0	0	148,500
Arena	G.O. Bonds	70,000	12,000	0	75,000	0	50,000	100,000	150,000	60,000	0	517,000
	Total	221,806	62,000	20,000	100,000	0	50,000	100,000	150,000	60,000	0	763,806

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #64-Arena Facility Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Arena G.O. Bonds	70,000	Replace the roof membrane over the central/flatter portion of the curved roof.
	Arena Capital Close-out	53,306	Replace the roof membrane over the central/flatter portion of the curved roof.
	Arena Capital Transfer	50,000	Replace the roof membrane over the central/flatter portion of the curved roof.
	Arena Capital Transfer	45,000	Repair / replace hot water system.
	Arena Capital Transfer	3,500	Repair sprinkler deficiencies.
		\$221,806	2014 Subtotal
2015	Arena Capital Transfer	50,000	Replace chiller system compressor, 1960 vintage. Project was identified in Dubois and King facilities report.
	Arena G.O. Bonds	12,000	Arc flash assessment and training
		\$62,000	2015 Subtotal
2016	Arena Capital Outlay	20,000	Architectural and engineering services to design a new lobby.
		\$20,000	2016 Subtotal
2017	Arena G.O. Bonds	75,000	Replace Zamboni
	Arena Capital Outlay	25,000	Replace Zamboni
		\$100,000	2017 Subtotal
2019	Arena G.O. Bonds	50,000	Replace roof. Portion of shingled roof. Last repaired in 2003.
		\$50,000	2019 Subtotal
2020	Arena G.O. Bonds	100,000	Replace Munters Dehumidification Unit
		\$100,000	2020 Subtotal
2021	Arena G.O. Bonds	150,000	Pave parking lot and re-stripe markings

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#64-Arena Facility Improvements	
		\$150,000	2021 Subtotal
2022	Arena G.O. Bonds	60,000	Refrigeration Equipment replacement
		\$60,000	2022 Subtotal
	TOTAL	\$763,806	

**2014-2023
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. Structural components, exterior integrity, service system 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	130,000	145,000	35,000	100,000	160,000	25,000	175,000	20,000	30,000	300,000	1,120,000
	Total	130,000	145,000	35,000	100,000	160,000	25,000	175,000	20,000	30,000	300,000	1,120,000

**2014-2023
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
2014	General G.O. Bonds	95,000	Repair / replace front steps at City Hall.
	General G.O. Bonds	22,000	Sprinkler system repairs / improvements at City Hall, Audi and Police Station
	General G.O. Bonds	13,000	City Hall Annex - Replace north side entrance stairs and landing
		\$130,000	2014 Subtotal
2015	General G.O. Bonds	70,000	Arc Flash analysis for City Hall, Police, Annex and Audi
	General G.O. Bonds	50,000	Upgrades to interior finishes at City Hall and Annex.
	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
		\$145,000	2015 Subtotal
2016	General G.O. Bonds	20,000	Paint interior, carpet and flooring in City Hall Annex
	General G.O. Bonds	15,000	Replace court yard pavers around City Hall complex
		\$35,000	2016 Subtotal
2017	General G.O. Bonds	100,000	Carpet replacement throughout areas displaying major wear.
		\$100,000	2017 Subtotal
2018	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.
		\$160,000	2018 Subtotal
2019	General G.O. Bonds	25,000	Paint interior and replace carpet in Council Chambers
		\$25,000	2019 Subtotal
2020	General G.O. Bonds	175,000	Replace the elevator at City Hall.

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	<u>#65-City Hall Renovations</u>		
		\$175,000		2020 Subtotal
2021	General G.O. Bonds	<u>20,000</u>		Paint and ceiling tiles in select areas of significant wear.
		\$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. Decision on conversion will be based on whether 1) Concord Steam constructs a new plant at Langdon Avenue and 2) whether steam rates significantly decrease as a result of new steam plant coming on-line.
	General G.O. Bonds	100,000		Service and upgrade HVAC system and refresh EMS system installed in 2006.
	General G.O. Bonds	50,000		Security system installation. Door hardware and card reader system compatible with police building system.
		<u>\$300,000</u>		2023 Subtotal
	TOTAL	<u>\$1,120,000</u>		

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: LIBRARY #68-Library Building Renovation/Construction

I. PROJECT TYPE: Public Buildings

II. LOCATION: 45 Green Street

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="text" value="L"/> Safety	<input type="text" value="M"/> Facility Cond.	<input type="text" value="N/A"/> Productivity	
SERVED:	<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. 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. This effort was completed in FY2011 with a final report which was presented 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 one of two sites. The first site (known as the "Storrs Street Site") is a block of property 0.75 acres in size located between Storrs St, Kennedy Lane, Depot and Pleasant St Extension. The second property is the State of NH Employment Security building located on South Main Street. Funding in the out-years serves as a placeholder for property acquisition, design, and construction of the facility. Timing of future design and construction activities is subject to securing private donations in amounts as outlined herein.

SERVICE IMPACT: A new library 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 the 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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: LIBRARY #68-Library Building Renovation/Construction

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	0	2,250,000	0	2,250,000
	Total	0	0	0	0	0	0	0	0	2,250,000	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.
		\$2,250,000	2022 Subtotal
	TOTAL	\$2,250,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #71-Runway Protection Zones Runways 17/35 & 12/30 - Property Acquisition

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 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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Airport	Capital Transfer	0	0	0	0	0	0	0	0	23,750	0	23,750
Other	State	0	0	0	0	0	0	0	0	23,750	0	23,750
Other	Federal	0	0	0	0	0	0	0	0	427,500	0	427,500
	Total	0	0	0	0	0	0	0	0	475,000	0	475,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #71-Runway Protection Zones Runways 17/35 & 12/30 - 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>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #72-Pavement Preventative Maintenance

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.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Airport	Capital Transfer	0	0	0	22,223	0	0	0	0	0	0	22,223
Airport	G.O. Bonds	0	0	0	0	147,778	147,778	50,000	0	0	0	345,556
Other	Federal	0	0	0	400,000	2,660,000	2,660,000	900,000	0	0	0	6,620,000
Other	State	0	0	0	22,223	147,778	147,778	50,000	0	0	0	367,779
	Total	0	0	0	444,446	2,955,556	2,955,556	1,000,000	0	0	0	7,355,558

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #72-Pavement Preventative Maintenance

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. Design the relocation of the localizer 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. State 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. Relocate localizer to comply with Runway Safety Determination Study.
	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
	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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #73-Construct Parallel Taxiway 12/30

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: Construct 4,000' x 50' taxiway parallel to runway 12/30. Project was identified as part of 2006 Airport Master Plan.

SERVICE IMPACT: Project will eliminate the practice of back taxiing on active runway in order to comply with FAA regulations.

IMPACT IF NOT FUNDED: Reduced safety and potential loss for future Federal funding for the airport.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Airport	G.O. Bonds	100,000*	104,400	0	0	0	0	0	0	0	0	204,400
Other	Federal	1,206,000*	1,879,000	0	0	0	0	0	0	0	0	3,085,000
Other	State	33,500*	104,400	0	0	0	0	0	0	0	0	137,900
	Total	1,339,500	2,087,800	0	0	0	0	0	0	0	0	3,427,300

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #73-Construct Parallel Taxiway 12/30

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Other Federal	1,206,000	Construct Phase I - a parallel taxiway from Runway 12/30, south section
	Airport G.O. Bonds	100,000	City share.
	Other State	33,500	State share.
		\$1,339,500	2014 Subtotal
2015	Other Federal	1,879,000	Construct Phase II - a parallel taxiway from runway 12/30, north section
	Airport G.O. Bonds	104,400	City share.
	Other State	104,400	State share.
		\$2,087,800	2015 Subtotal
	TOTAL	\$3,427,300	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

I. PROJECT TYPE: Airport

II. LOCATION: Concord Municipal Airport

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New N/A Safety M Facility Cond. N/A Productivity
 Replace N/A Mandates N/A Service Def. N/A Tax Base Exp. H City Master Pl.
 Rebuild L O + M Costs M Council Goals M Timeliness Airport
 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 FAA 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Airport	G.O. Bonds	0	60,000	0	60,000	50,000	0	60,000	30,000	60,000	50,000	370,000
Airport	Capital Transfer	25,000	0	25,000	0	15,000	10,000	0	0	0	0	75,000
	Total	25,000	60,000	25,000	60,000	65,000	10,000	60,000	30,000	60,000	50,000	445,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Airport Capital Transfer	20,000	Crack seal tie down area Phase II
	Airport Capital Transfer	5,000	Repair sprinkler deficiencies found in the yearly inspection.
		\$25,000	2014 Subtotal
2015	Airport G.O. Bonds	60,000	Window replacement for the original portion of the terminal building (Phase I)
		\$60,000	2015 Subtotal
2016	Airport Capital Transfer	15,000	Hangar maintenance
	Airport Capital Transfer	10,000	Tree removal. Master Plan recommendation
		\$25,000	2016 Subtotal
2017	Airport G.O. Bonds	60,000	Hangar # 2 roof
		\$60,000	2017 Subtotal
2018	Airport G.O. Bonds	50,000	Replace hangar 3 roof.
	Airport Capital Transfer	15,000	Hangar maintenance updates
		\$65,000	2018 Subtotal
2019	Airport Capital Transfer	10,000	Tree removal. Ongoing maintenance item to meet FAA requirements.
		\$10,000	2019 Subtotal
2020	Airport G.O. Bonds	60,000	Window replacement for the addition to the terminal building (Phase II).
		\$60,000	2020 Subtotal
2021	Airport G.O. Bonds	30,000	Hangar maintenance updates
		\$30,000	2021 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#75-General Airport Facility Repairs	
2022	Airport G.O. Bonds	60,000	Hangar # 4 roof
		<u>\$60,000</u>	2022 Subtotal
2023	Airport G.O. Bonds	30,000	Refurbish/replace outdated HVAC equipment.
	Airport G.O. Bonds	20,000	Hangar maintenance.
		<u>\$50,000</u>	2023 Subtotal
	TOTAL	<u>\$445,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #77-Airport Snow Removal Equipment and Building Upgrade

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Airport	Capital Transfer	12,125	25,139	0	0	0	0	0	18,750	0	0	56,014
Other	Federal	283,500*	452,500	0	0	0	0	0	337,500	0	0	1,073,500
Other	State	7,875*	25,139	0	0	0	0	0	18,750	0	0	51,764
	Total	303,500	502,778	0	0	0	0	0	375,000	0	0	1,181,278

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #77-Airport Snow Removal Equipment and Building Upgrade

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Other Federal	283,500	Purchase new front End Loader with bucket and runway plow. Federal share.
	Airport Capital Transfer	12,125	City share. Supplements funds previously appropriated in FY2013.
	Other State	7,875	State share.
		\$303,500	2014 Subtotal
2015	Other Federal	250,000	Add a drive through bay to the SRE building to house snow and ice removal equipment.
	Other Federal	202,500	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	11,250	City portion.
	Other State	11,250	State portion.
		\$502,778	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	\$1,181,278	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-HIGHWAY / UTILITIES #78-Annual Highway Improvement Program

I. PROJECT TYPE: Street Rehabilitation

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 Road Resurfacing
 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.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Close-out	12,658	0	0	0	0	0	0	0	0	0	12,658
General	Highway Reserve	1,100,000	1,081,600	1,447,200	1,735,000	2,013,600	2,245,000	2,471,000	2,757,300	3,104,400	2,752,000	20,707,100
	Total	1,112,658	1,081,600	1,447,200	1,735,000	2,013,600	2,245,000	2,471,000	2,757,300	3,104,400	2,752,000	20,719,758

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-HIGHWAY / UTILITIES #78-Annual Highway Improvement Program

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General Highway Reserve	700,000	COLD PLANE / SHIM OVERLAY Loudon Rd: D'Amante Dr. to Rte. 106 \$700,000.00.
	General Highway Reserve	330,000	East Side Dr.: Sugar Ball to N Curtisville Rd: \$200,000.00 Mountain Rd; Shawmut to Tow Path Ln: \$130,000.00
	General Highway Reserve	35,000	Personnel wages and benefits: \$35,000.00
	General Highway Reserve	35,000	Drainage Repairs: \$35,000.00
	General Capital Close-out	12,658	Close Out Share
		\$1,112,658	2014 Subtotal
2015	General Highway Reserve	751,600	MAINTENANCE OVERLAYS:
			Dwinell Dr.; Full Length \$150,000.00
			Federal St; Full Length \$25,000.00
			Gale St; Full Length \$21,000.00
			Holt St; Full Length \$27,100.00
			Lewis Ln; Full Length \$46,100.00
			Orchard St; Full Length \$32,100.00
			Pleasant St; Langley to Fisk \$120,000.00
			Pleasant View; Full Length \$47,100.00
			Prince St; Full Length \$25,000.00
			Redington Rd; Full Length \$46,000.00
			Short St; Full Length \$31,000.00
			Silk Farm Rd; Clinton St to I-89 \$71,500.00
			Summit St; Full Length \$36,600.00
			Tahanto St; Full Length \$46,500.00
			Tuttle St; Full Length \$26,600.00
	General Highway Reserve	150,000	Crack Sealing various streets: \$150,000.00
	General Highway Reserve	85,000	Drainage Repairs: \$85,000.00
	General Highway Reserve	70,000	Personnel wages and benefits: \$70,000.00
	General Highway Reserve	25,000	Emergency Overlays to hold roads together: \$25,000.00

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:		GS-HIGHWAY / UTILITIES	#78-Annual Highway Improvement Program
		\$1,081,600	2015 Subtotal
2016	General Highway Reserve	955,200	MAINTENANCE OVERLAYS J. Bartlett Rd; Full Length \$167,700.00 Mountain Rd; Tow Path to Country Club Ln \$172,000.00 Old Loudon Rd; Full Length \$164,500.00 South St; Johnson Ave to T/L \$140,000.00 South St.; Avon St. to Johnson Ave. \$175,000.00 W Portsmouth St; Full Length \$136,000.00
	General Highway Reserve	200,000	Crack Sealing various streets: \$200,000.00
	General Highway Reserve	112,000	COLD PLANE/SHIM OVERLAY Adonis Ct; Full Length \$30,000.00 Alder Creek; Full Length \$82,000.00
	General Highway Reserve	85,000	Drainage Repairs: \$85,000.00
	General Highway Reserve	70,000	Personnel wages and benefits: \$70,000.00
	General Highway Reserve	25,000	Emergency Overlays to hold roads together: \$25,000.00
		\$1,447,200	2016 Subtotal
2017	General Highway Reserve	906,000	MAINTENANCE OVERLAYS Appleton St; Full Length \$81,000.00 Cemetery St; Full Length \$90,000.00 Ferrin Rd; Full Length \$30,000.00 Portsmouth St; E Side to Old Loudon Rd \$210,000.00 Rumford St; Albin to Penacook \$40,000.00 S Main St; Wilfred to Joffre \$55,000.00 W Parish Rd; Full Length \$400,000.00
	General Highway Reserve	449,000	Coral St \$37,000.00 Electric Ave \$108,000.00 Elliott St \$36,000.00 Fifield St \$23,000.00 Millstream Ln (Washington St to Bentwood) \$245,000.00
	General Highway Reserve	200,000	Crack Sealing various streets: \$200,000.00

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#78-Annual Highway Improvement Program
	General Highway Reserve	85,000 Drainage Repairs: \$85,000.00
	General Highway Reserve	70,000 Personnel wages and benefits: \$70,000.00
	General Highway Reserve	25,000 Emergency Overlays to hold roads together: \$25,000.00
		\$1,735,000 2017 Subtotal
2018	General Highway Reserve	1,345,600 MAINTENANCE OVERLAYS
		Abbott Rd; Alder Creek to Village St \$193,000.00
		Asby Rd; Full Length \$32,000.00
		Chapel St; Full Length \$28,000.00
		Columbus St; Full Length \$61,000.00
		Fowler St; Full Length \$48,000.00
		Garvins Falls Rd; Full Length \$255,000.00
		Locke Rd; W Locke to end \$112,000.00
		River Rd; Full Length \$223,000.00
		Rumford St; Penacook to N State \$54,000.00
		S Fruit St; Full Length \$138,200.00
		Sewalls Falls Rd; N State to Second St \$77,000.00
		Washington St (P); Fowler to River Rd \$49,000.00
		Wilson Ave; South St to Norwich \$75,400.00
	General Highway Reserve	288,000 RECLAMATION
		Bye St (P); Full Length \$39,000.00
		MacCoy St (P); Full Length \$92,000.00
		Merrimack St (P); Cross to Penacook \$157,000.00
	General Highway Reserve	200,000 Crack Sealing various streets: \$200,000.00
	General Highway Reserve	85,000 Drainage Repairs; \$85,000.00
	General Highway Reserve	70,000 Personnel wages and benefits: \$70,000.00
	General Highway Reserve	25,000 Emergency Overlays to hold roads together: \$25,000.00
		\$2,013,600 2018 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#78-Annual Highway Improvement Program
2019	General Highway Reserve	710,000 RECLAMATION Lilac St (P); Full Length \$152,000.00 Canal St (P); Village St to Community Dr. \$74,000.00 (Subject to timing of CIP 508 and improvements related thereto). Roger Ave ; Full Length \$84,000.00 Sewalls Falls Rd; Manor - Bridge deck \$110,000.00 Woodbine Ave; Full Length \$290,000.00
	General Highway Reserve	585,000 COLD PLANE/SHIM OVERLAY Dolan St; Full Length \$32,000.00 Broad Ave; Full Length \$60,000.00 Clarke St; Full Length \$66,000.00 Clover Ct; Full Length \$34,000.00 Cottage Ct; Full Length \$15,000.00 Davis St; Full Length \$20,000.00 Granite Ave; Full Length \$48,000.00 Matthew St; Full Length \$30,000.00 New Meadow St; Full Length \$33,000.00 S Midland St; Full Length \$30,000.00 Stickney Ave; Full Length \$217,000.00 (Potentially subject to timing and scope of I-93 widening project)
	General Highway Reserve	368,000 MAINT. OVERLAY Borough Rd; River to Blueberry \$110,000.00 Carter St; Full Length \$53,000.00 Laurel St; Full Length \$75,000.00 Norwich St; Clinton to Wilson \$91,000.00 Sewalls Falls Rd; RR Xing to Mountain Rd \$39,000.00
	General Highway Reserve	202,000 SHIM/OVERLAY Lisa Ln; Full Length \$29,000.00 Margerie St; Full Length \$33,000.00 Pine St; Full Length \$76,000.00 Rollins St; Full Length \$20,000.00 White St; Full Length \$44,000.00
	General Highway Reserve	200,000 Crack Sealing various streets: \$200,000.00
	General Highway Reserve	85,000 Drainage Repairs: \$85,000.00
	General Highway Reserve	70,000 Personnel wages and benefits: \$70,000.00

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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PROJECT:	GS-HIGHWAY / UTILITIES	#78-Annual Highway Improvement Program	
	General Highway Reserve	25,000	Emergency Overlays to hold roads together: \$25,000.00
		\$2,245,000	2019 Subtotal
2020	General Highway Reserve	1,329,000	RECLAMATION
			Allen St (P); Full Length \$70,000.00
			Broduer St (P); Full Length \$48,000.00
			Eastman St; Full Length \$217,000.00
			Edward Dr.; Full Length \$141,000.00
			Fernald St; Full Length \$39,000.00
			Irving Dr.; Full Length \$185,000.00
			Jennifer Dr.; Full Length \$167,000.00
			Judith Dr.; Full Length \$100,000.00
			Steeple View (P); Full Length \$45,000.00
			Susan Ln; Full Length \$50,000.00
			Winter St (P); Full Length \$39,000.00
			Winthrop St; Full Length \$56,000.00
			Washington St (P) ; Village St to Electric Ave \$172,000.00
	General Highway Reserve	747,000	MAINT/OVERLAY
			Downing St; Full Length \$100,000.00
			Allison St; Full Length \$125,000.00
			Liberty St; Centre to Pleasant \$68,000.00
			N Spring St; Full Length \$115,000.00
			Rumford St; Pleasant St to Albin \$166,000.00
			Washington St; Full Length \$142,000.00
			Yarrow Way; Full Length \$31,000.00
	General Highway Reserve	200,000	Crack Sealing various streets: \$200,000.00
	General Highway Reserve	100,000	Drainage Repairs: \$100,000.00
	General Highway Reserve	70,000	Personnel wages and benefits: \$70,000.00
	General Highway Reserve	25,000	Emergency Overlays to hold roads together: \$25,000.00
		\$2,471,000	2020 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#78-Annual Highway Improvement Program	
2021	General Highway Reserve	1,163,000	RECLAMATION Foster St; Full Length \$39,000.00 Horseshoe Pond Ln; N State - N Main \$56,000.00 Kensington St.; full length \$85,000.00 Martin St; Full Length \$30,000.00 N Fruit St; School to Pleasant \$115,000.00 Orion St; Full Length \$44,000.00 Penacook St; Rumford to Auburn \$286,000.00 Perkins St; Full Length \$69,000.00 Rum Hill Rd; full length \$85,000.00 School St; Westbourne to Rum Hill \$225,000.00 Terrace Rd; Full Length \$30,000.00 Watkins Way; Full Length \$28,000.00 Wyman St; Full Length \$71,000.00
	General Highway Reserve	622,300	MAINT/OVERLAY Adonis Ct; Full Length \$30,000.00 Alder Creek; Full Length \$55,000.00 Chase St; Full Length \$53,000.00 Clinton St; Princeton to S Spring \$34,200.00 Cornell St; Full Length \$32,400.00 Cypress St; Full Length \$95,500.00 Dartmouth St; Full Length \$32,000.00 Harvard St; Full Length \$37,600.00 Morton St; Full Length \$23,300.00 Noyes St; Full Length \$74,300.00 Pleasant St; Rum Hill - Langley Pk Wy \$97,400.00 Princeton St; Full Length \$29,800.00 Yale St; Full Length \$27,800.00
	General Highway Reserve	577,000	SHIM/OVERLAY Bellflower Cir; Full Length \$24,000.00 Chicory Ct; Full Length \$18,000.00 Clematis Cir; Full Length \$25,000.00 Foxglove Terrace; Full Length \$24,000.00 Gallen Dr.; Full Length \$56,000.00 Gentian Dr.; Full Length \$20,000.00

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#78-Annual Highway Improvement Program	
			Governors Way; Full Length \$31,000.00
			Hutchins St; Full Length \$178,000.00
			Jasmine Pl; Full Length \$15,000.00
			Mayflower Rd; Full Length \$64,000.00
			Oxalis Way; Full Length \$22,000.00
			Peterson Cir; Full Length \$40,000.00
			Rhodora Ct; Full Length \$24,000.00
			Sorell Dr.; Full Length \$22,000.00
			Verbena Way; Full Length \$14,000.00
	General Highway Reserve	200,000	Crack Sealing various streets: \$200,000.00
	General Highway Reserve	100,000	Drainage Repairs: \$100,000.00
	General Highway Reserve	70,000	Personnel wages and benefits: \$70,000.00
	General Highway Reserve	25,000	Emergency Overlays to hold roads together: \$25,000.00
		\$2,757,300	2021 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#78-Annual Highway Improvement Program
2022	General Highway Reserve	1,786,000 RECLAMATION Airport Rd.; Mulberry to Old Tpk. Rd \$250,000.00 Bow St; Full Length \$280,000.00 Brookside Dr.; Full Length \$51,000.00 Carpenter St; Full Length \$50,000.00 Cote St; Full Length \$42,000.00 Country Club Ln; Full Length \$166,000.00 Fellows St; Full Length \$75,000.00 Gilmore St; Full Length \$90,000.00 Haig St; Full Length \$80,000.00 Humphrey St; Full Length \$105,000.00 Joffre St; Full Length \$115,000.00 Jordan Ave; Full Length \$60,000.00 Kearsarge St; Full Length \$60,000.00 Kellest St; Full Length \$25,000.00 Kimball St; Full Length \$133,000.00 Maitland St; Full Length \$34,000.00 McKinley St; Full Length \$65,000.00 Mill St; Full Length \$60,000.00 Sunset Ave; Full Length \$45,000.00
	General Highway Reserve	812,400 MAINT/OVERLAY Badger St; Full Length \$40,000.00 Hooksett Turnpike ; Full Length \$,100.00, Birchdale St; Full Length \$14,400.00. Blake St; Full Length \$25,000.00 Chandler St (P); Elm St to T/L \$18,000.00 Dolphin St (P); Full Length \$28,000.00 Forest St.; Auburn to Ridge \$30,000.00 King St.; full length \$65,000.00 Sanders St (P); Full Length \$23,000.00 Springfield St; Full Length \$45,000.00 Stark St (P); Full Length \$31,000.00 Thayer Pond Rd.; Full length \$115,000.00

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#78-Annual Highway Improvement Program	
			Welch St (P); Full Length \$39,000.00
			Hooksett Turnpike; Full Length: \$100,000.00
			Birchdale St: Full Length: \$ 14400.00
	General Highway Reserve	200,000	Crack Sealing various streets: \$200,000.00
	General Highway Reserve	111,000	COLD PLANE/ SHIM OVERLAY Donovan St \$111,000.00
	General Highway Reserve	100,000	Drainage Repairs: \$100,000.00
	General Highway Reserve	70,000	Personnel wages and benefits: \$70,000.00
	General Highway Reserve	25,000	Emergency Overlays to hold roads together \$25,000.00
		\$3,104,400	2022 Subtotal
2023	General Highway Reserve	1,799,000	Washington St(P): (Village St to Electric Ave) \$285,000.00 Tanner St Full Length \$50,000.00 Sweatt St Full Length \$40,000.00 High St Full Length \$183,000.00 Steeple View Full Length \$25,000.00 Dolphin St Full Length \$41,000.00 Cross St Full Length \$95,000.00 Hardy Ave Full Length \$38,000.00 Webster St Full Length \$20,000.00 Tanner St Full Length \$40,000.00 Sanders St Full Length \$43,000.00 Stark St Full Length \$53,000.00 Shaw St Full Length \$110,000.00 Rolfe St Full Length \$92,000.00 Welch St Full Length \$75,000.00 Chandler St Full Length \$20,000.00 District #5 Rd Full Length \$318,000.00 Hillside Rd Full Length \$54,000.00 Wildemere Terrace Full Length \$45,000.00 Silk Farm Rd Clinton to T/L \$332,000.00
	General Highway Reserve	558,000	Coral St (P) Full Length \$28,000.00 Millstream Ln (P) Washington St to Bentwood \$175,000.00

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#78-Annual Highway Improvement Program	
			Electric Ave (P)Full Length \$155,000.00
			Elliott St (P)Full Length \$110,000.00
			Fifield St (P)Full Length \$90,000.00
	General Highway Reserve	200,000	Crack Sealing various streets \$200,000.00
	General Highway Reserve	100,000	Drainage Repairs \$100,000.00
	General Highway Reserve	70,000	Personnel Wages & Benefits \$70,000.00
	General Highway Reserve	25,000	Emergency Overlays to hold roads together \$25,000.00
		\$2,752,000	2023 Subtotal
	TOTAL	\$20,719,758	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #83-Storm Sewer 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 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: 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.

Follow-on efforts will expand information base and detail further areas for implementation of Best Management Practices.

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)

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	1,090,000	927,000	890,000	784,000	1,000,000	1,740,000	950,000	7,381,000
	Total	0	0	0	1,090,000	927,000	890,000	784,000	1,000,000	1,740,000	950,000	7,381,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	General G.O. Bonds	600,000	Piping Systems: Design and replace existing closed drainage system through Reddington St neighborhood with a combination of pipes and swales.
	General G.O. Bonds	160,000	Piping system: Design and replace outlet pipes from Bow Brook at Ridge and Terrace Rds.
	General G.O. Bonds	150,000	Piping Systems: Replacement of the West Sugarball Municipal Drainage Outfall including the design and construction of manholes, energy dissipation structures and stream restoration.
	General G.O. Bonds	140,000	Piping Systems: Design and replace pipe system in Pleasant St from Pleasant View to Kensington.
	General G.O. Bonds	40,000	Major Culvert Replacement: Design and replace culverts at Quaker, Knight and North State Streets.
		\$1,090,000	2017 Subtotal
2018	General G.O. Bonds	450,000	Piping Systems: Line 1700 lf pipe within South St easement.
	General G.O. Bonds	200,000	Piping Systems: Design and replace outlet pipe from Minot St. to Thayer Pond/Bow Brook.
	General G.O. Bonds	60,000	Major Culvert Replacement: Design and replace Bow Brook culvert under Noyes St near Harvard St.
	General G.O. Bonds	217,000	Piping Systems: Design and construct new storm drain systems along South Street/Bow Street for Bow Brook crossings.
		\$927,000	2018 Subtotal
2019	General G.O. Bonds	350,000	Piping Systems: Design and replace existing pipes in Tanner Street.
	General G.O. Bonds	60,000	Piping System: Design and replace existing pipe from Charles St to the Contoocook River.
	General G.O. Bonds	55,000	Piping Systems:

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#83-Storm Sewer Master Plan Implementation	
			Design and replace existing pipe from Canal St to the Contoocook River. Subject to CIP 508 Allied Leather Tannery TIF Improvements.
	General G.O. Bonds	425,000	Piping Systems: Design and replace storm water system in the low area in the Borough/Washington/Fowler Streets neighborhood.
		\$890,000	2019 Subtotal
2020	General G.O. Bonds	614,000	Piping Systems: Design and construct new storm drain systems along Merrimack and Bye Streets.
	General G.O. Bonds	170,000	Piping Systems: Design and replace drainage system along Lilac St, north of Hoyt Brook.
		\$784,000	2020 Subtotal
2021	General G.O. Bonds	1,000,000	Piping systems: Design and replace drainage system in the Birdland Neighborhood with combination of piping and infiltration systems.
		\$1,000,000	2021 Subtotal
2022	General G.O. Bonds	1,000,000	Piping Systems: Design and replace drainage systems in the Birdland Neighborhood with combination of piping and infiltration systems.
	General G.O. Bonds	500,000	Piping Systems: Separate storm water system from Angela Way, Mooreland Ave and South Street and redirect it to the Turkey River.
	General G.O. Bonds	220,000	Piping Systems: Design and replace existing outfall with larger pipe or construct detention upstream.
	General G.O. Bonds	20,000	Major Culvert Replacement: Replace existing undersized culvert with 60 lf 36"RCP.
		\$1,740,000	2022 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#83-Storm Sewer Master Plan Implementation
2023	General G.O. Bonds	600,000 Piping Systems: Design and replace drainage system on Walker St from North State St to Liberty St and correct severe erosion issues.
	General G.O. Bonds	160,000 Piping Systems: Design and construct planned overflow to mitigate flooding on Church St between Bouton and North State Streets.
	General G.O. Bonds	150,000 Piping Systems: Design and replace existing drainage system on Rumford St between Penacook and Jennings Streets.
	General G.O. Bonds	40,000 Major Culvert Replacement: Design and replace Hoyt Brook crossings at Manor Road and Village Street.
		\$950,000 2023 Subtotal
TOTAL		\$7,381,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #84-Clean & Line Water Mains

I. PROJECT TYPE: Water Distribution System

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="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="H"/> 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	Water
<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: To improve quality of service, fire flow, and disinfecting effectiveness and to reduce citizen complaints.

SERVICE IMPACT: Continued expansion of areas where water quality is improved by distribution system renovation. Improvement to hydraulic efficiency of system.

IMPACT IF NOT FUNDED: Continued customer complaints and further deterioration of water quality and system efficiency in areas of the City.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	G.O. Bonds	700,000	0	800,000	0	650,000	0	1,040,000	0	700,000	400,000	4,290,000
Water	Capital Transfer	0	20,000	0	20,000	0	20,000	0	20,000	0	0	80,000
	Total	700,000	20,000	800,000	20,000	650,000	20,000	1,040,000	20,000	700,000	400,000	4,370,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #84-Clean & Line Water Mains

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Water G.O. Bonds	700,000	Line 1,700 LF 8 inch main on Sawmill Rd.(#73 to Hydrant #1091 on Hopkinton) and 2,700 LF of 8 inch main on Hopkinton Rd. (from hydrant #1091 to Currier Rd.).
		\$700,000	2014 Subtotal
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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#84-Clean & Line Water Mains	
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
2023	Water G.O. Bonds	400,000	Design and lining of 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	2023 Subtotal
	TOTAL	\$4,370,000	

**2014-2023
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: To replace water mains which are either too small or in poor condition for adequate service.

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: Continued deterioration and inadequacies in service system and water quality.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	Capital Outlay	0	0	0	0	0	0	0	20,000	0	0	20,000
Water	Capital Transfer	0	20,000	0	20,000	0	20,000	0	0	0	20,000	80,000
Water	G.O. Bonds	100,000	0	1,800,000	0	1,600,000	0	1,900,000	0	2,470,000	0	7,870,000
	Total	100,000	20,000	1,800,000	20,000	1,600,000	20,000	1,900,000	20,000	2,470,000	20,000	7,970,000

**2014-2023
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
2014	Water G.O. Bonds	100,000	Construct Loudon Road Phase II, 12" main from East Side Drive to Old Loudon Road (supplemental appropriation from 2013).
		\$100,000	2014 Subtotal
2015	Water Capital Transfer	20,000	Design Walnut St., Cross St, and Community Drive project
		\$20,000	2015 Subtotal
2016	Water G.O. Bonds	1,800,000	Replace 6" mains on Walnut, Cross and Community with 8" mains.
		\$1,800,000	2016 Subtotal
2017	Water Capital Transfer	20,000	Design of Rolfe St, Allen St,, Sanders and High St. project.
		\$20,000	2017 Subtotal
2018	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 3/4" main on Sanders Street with a 6 inch main, hydrant installed.
		\$1,600,000	2018 Subtotal
2019	Water Capital Transfer	20,000	Design North Fruit St., Woodman St, and Minot St. project.
		\$20,000	2019 Subtotal
2020	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	2020 Subtotal
2021	Water Capital Outlay	20,000	Design Lawrence Street, Bee Street, Heights Road, Commercial Street, Vernon, and Wiggins Street (South Main to Donovan Street).
		\$20,000	2021 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#85-Water Main Replacement	
2022	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	2022 Subtotal
2023	Water Capital Transfer	20,000	Design Portsmouth Street (East Side Drive to water tank), Industrial Park Drive (entire length), Oak and Fuller Streets.
		\$20,000	2023 Subtotal
	TOTAL	\$7,970,000	

**2014-2023
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 water mains to strengthen the transmission and distribution systems.

SERVICE IMPACT: Corrects limitations in and improves distribution system.

IMPACT IF NOT FUNDED: Flexibility and expandability of distribution system will be inadequate.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	G.O. Bonds	0	1,300,000	0	0	0	1,000,000	1,500,000	0	0	0	3,800,000
	Total	0	1,300,000	0	0	0	1,000,000	1,500,000	0	0	0	3,800,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	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	2015 Subtotal

**2014-2023
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.
		\$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.
		\$1,500,000	2020 Subtotal
	TOTAL	\$3,800,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #88-Water Production Plant Upgrades

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 and combinations will cause continuation of inefficient operating configurations that may not meet forecast 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	G.O. Bonds	670,000	950,000	300,000	200,000	100,000	600,000	250,000	200,000	1,000,000	10,100,000	14,370,000
	Total	670,000	950,000	300,000	200,000	100,000	600,000	250,000	200,000	1,000,000	10,100,000	14,370,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Water G.O. Bonds	400,000	Initiate construction of chemical improvements Phase I by relocating and replacing the main plant generator set. Recommended in Master Plan.
	Water G.O. Bonds	100,000	Pipe gallery equipment and Carbon building refurbishment.

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-WATER	#88-Water Production Plant Upgrades		
	Water	G.O. Bonds	100,000	Electrical service inspection and analysis to satisfy NH Dept. of Labor and National Fire Protection Standard 70E. Training and labeling and personal protective equipment.
	Water	G.O. Bonds	70,000	Refurbish the remaining roof over the main portion of the plant facility. HL Turner recommendation.
			\$670,000	2014 Subtotal
2015	Water	G.O. Bonds	950,000	Construction of chemical improvements PHASE II designed in 2012. Recommended in Master Plan.
			\$950,000	2015 Subtotal
2016	Water	G.O. Bonds	300,000	Raw water pump improvements. Last refurbishments 2008 and 2009.
			\$300,000	2016 Subtotal
2017	Water	G.O. Bonds	200,000	Pump station # 4 chemical process improvements design. Master Plan Phase II recommendation.
			\$200,000	2017 Subtotal
2018	Water	G.O. Bonds	100,000	Resurface the concrete deck over the exterior sedimentation basins. Last resurfaced in 1997.
			\$100,000	2018 Subtotal
2019	Water	G.O. Bonds	600,000	Pump station # 4. Construct chemical process improvements. Master Plan Phase II recommendation.
			\$600,000	2019 Subtotal
2020	Water	G.O. Bonds	250,000	Pump Station. # 4 refurbishment, structural and architectural improvements. Master Plan Phase II recommendation.
			\$250,000	2020 Subtotal
2021	Water	G.O. Bonds	200,000	Pilot testing for a new water treatment system at Hutchins Street Facility. Master Plan recommendation.
			\$200,000	2021 Subtotal
2022	Water	G.O. Bonds	1,000,000	Design of new water treatment system at Hutchins Street. Master Plan recommendation.
			\$1,000,000	2022 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-WATER	#88-Water Production Plant Upgrades	
2023	Water G.O. Bonds	10,000,000	Place holder for refurbishment of the treatment facility to meet the 12 Million Gallons per Day (MGD) capacity as proposed in the three phase Master Plan. Total project cost must be refined.
	Water G.O. Bonds	100,000	Install baffles in the clear well to prevent short circuiting and improve critical chemical contact time.
		\$10,100,000	2023 Subtotal
TOTAL		\$14,370,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #89-Hall Street WWTP 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Sewer	Capital Transfer	35,000	0	0	0	0	0	0	0	0	0	35,000
Sewer	G.O. Bonds	0	150,000	2,350,000	0	0	0	0	275,000	4,300,000	100,000	7,175,000
	Total	35,000	150,000	2,350,000	0	0	0	0	275,000	4,300,000	100,000	7,210,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #89-Hall Street WWTP Odor Control

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Sewer Capital Transfer	35,000	Replacement of 6 chemical feed pumps associated with the sludge holding tank scrubber.
		\$35,000	2014 Subtotal
2015	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	2015 Subtotal
2016	Sewer G.O. Bonds	2,350,000	Construction engineering services and capitol construction of odor control improvements designed in FY15. 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
		\$2,350,000	2016 Subtotal
2021	Sewer G.O. Bonds	275,000	Refresh the design of the bio-tower cover
		\$275,000	2021 Subtotal
2022	Sewer G.O. Bonds	4,300,000	Construct the cover for the second bio-tower
		\$4,300,000	2022 Subtotal
2023	Sewer G.O. Bonds	100,000	Sludge holding tank scrubber refurbishment
		\$100,000	2023 Subtotal
	TOTAL	\$7,210,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

I. PROJECT TYPE: Sewer Collection

II. LOCATION: See Explanation Below

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="H"/> Service Def.	<input type="text" value="L"/> 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	Sewer

Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: To replace or reline mains which are either size restricted or deteriorated with cracked sections and open joints and subject to collapse, backups or other failures. The list of projects, including replacement mains, has been developed based upon recommendations of the Sewer Master Plan consultant and the experience of the staff. Initial estimates only.

Annual maintenance of the sewer interceptors access roads are programmed .

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Sewer	Capital Transfer	70,000	25,000	55,000	30,000	50,000	35,000	50,000	30,000	50,000	0	395,000
Sewer	G.O. Bonds	120,000	350,000	0	375,000	0	300,000	0	175,000	0	625,000	1,945,000
	Total	190,000	375,000	55,000	405,000	50,000	335,000	50,000	205,000	50,000	625,000	2,340,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Sewer G.O. Bonds	120,000	Line mains on sections of Village, Elm, Washington, Webster, Merrimack, Sanders, Manchester and Summer Streets.
	Sewer Capital Transfer	50,000	Interceptor access road maintenance south of Second Street. Approximately 1,000LF of brush and tree clearing, reclaim, rip rap, loam and seed. Install two 36" culverts on road by prison.
	Sewer Capital Transfer	20,000	Design 900 LF of sewer main on Village Street, between Manor and Abbott and 700 LF main in front of Beede Electric.
		\$190,000	2014 Subtotal
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.
	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.
		\$375,000	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 Project.
		\$55,000	2016 Subtotal
2017	Sewer G.O. Bonds	375,000	Replace 480 LF of 8" main and existing domestic gates on Putney . Replace 8" main in B Street. Replace 155 LF on 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.
		\$405,000	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 1,560 LF of lining on Merrimack, Coral, Village (from Stark to Beede) and Chandler

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#91-Sanitary Sewer Main Rehabilitation and Construction	
		\$50,000	2018 Subtotal
2019	Sewer G.O. Bonds	300,000	Line f 24" and 8" sewer main Merrimack(#90 to Penacook St), Coral, 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.
		\$335,000	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 1,600LF 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	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.
	Sewer G.O. Bonds	225,000	Line 2,300LF of 8, 10 and 12 inch main on Granite, North State, Martin, Prospect and Jennings.
		\$625,000	2023 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#91-Sanitary Sewer Main Rehabilitation and Construction
TOTAL		\$2,340,000

**2014-2023
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:	<input type="checkbox"/> New	<input type="text" value="N/A"/> Safety	<input type="text" value="L"/> Facility Cond.	<input type="text" value="N/A"/> Productivity	
	<input type="checkbox"/> Replace	<input type="text" value="N/A"/> Mandates	<input type="text" value="M"/> Service Def.	<input type="text" value="L"/> Tax Base Exp.	<input type="text" value="M"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input type="text" value="H"/> O + M Costs	<input type="text" value="H"/> Council Goals	<input type="text" value="L"/> Timeliness	Economic Development
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: A design and implementation plan for Low Avenue streetscape improvements were 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.

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.

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 will 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Other	Tax Increment Financing	0	0	0	0	0	0	0	350,000	3,000,000	0	3,350,000
	Total	0	0	0	0	0	0	0	350,000	3,000,000	0	3,350,000

**2014-2023
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 Capital Commons Development. 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	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #104-Hall Street WWTP Renovations

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: Projects are a series of improvements and renovations identified from a Comprehensive Facility Evaluation conducted by Woodard and Curran in FY02 plus additional facility improvements as needs develop. Projects address code and safety issues, as well as immediate and long-term facility renovation 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Sewer	Capital Close-out	47,189	0	0	0	0	0	0	0	0	0	47,189
Sewer	Capital Transfer	0	0	200,000	0	65,000	0	0	0	0	15,000	280,000
Sewer	G.O. Bonds	360,000	265,000	1,650,000	1,705,000	1,220,000	375,000	1,700,000	1,625,000	2,375,000	12,790,000	24,065,000
	Total	407,189	265,000	1,850,000	1,705,000	1,285,000	375,000	1,700,000	1,625,000	2,375,000	12,805,000	24,392,189

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #104-Hall Street WWTP Renovations

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Sewer G.O. Bonds	300,000	Equipment/process improvements. Wastewater facilities infrastructure need assessment to identify current and future needs and develop comprehensive capital improvement schedule for the next 10 years. Electrical system arc flash hazard analysis. Fire alarm system replacement.
	Sewer G.O. Bonds	60,000	Site improvements - crack filling and sealing of roadways and sidewalks. Includes allowance for necessary pavement repairs.
	Sewer Capital Close-out	47,189	Close Out Share
		\$407,189	2014 Subtotal
2015	Sewer G.O. Bonds	225,000	Equipment/process improvements - design engineering services for general improvements to include RDP system refurbishment, replacement of one influent screw pump, replacement of 3 intermediate lift pumps & motors, aeration diffuser replacement and RAS Q meter replacement.
	Sewer G.O. Bonds	40,000	Building/structure improvements - update service elevator controls.
		\$265,000	2015 Subtotal
2016	Sewer G.O. Bonds	1,650,000	Equipment/process improvements - Construction administration and construction of general improvement designed in FY15.
	Sewer Capital Transfer	200,000	Building/structure improvements - replacement of first of three original standby generator sets.
		\$1,850,000	2016 Subtotal
2017	Sewer G.O. Bonds	1,000,000	Building systems improvements - administration building HVAC system upgrade and tunnel ventilation system.
	Sewer G.O. Bonds	300,000	Building/structure improvements - refurbishment of 1st 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 second of three original standby generator sets.
	Sewer G.O. Bonds	200,000	Equipment/process improvements - design engineering of trucked liquid waste receiving facility.
		\$1,705,000	2017 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#104-Hall Street WWTP Renovations		
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	310,000	Building/structure improvements - refurbishment of 2nd of two sludge holding tanks. Project entails repair of deteriorating concrete and recoating of interior concrete surfaces.
	Sewer	G.O. Bonds	210,000	Equipment/process improvements - replacement of 3rd of 3 original standby generator sets.
	Sewer	Capital Transfer	65,000	Building/structural improvements - refurbishment of employee lunchroom to include cabinets, counters, appliances, and replacement of administration area floor tiles.
			\$1,285,000	2018 Subtotal
2019	Sewer	G.O. Bonds	275,000	Site/security improvements - installation of 6,000 LF of 8' chain link security fencing around entire process area. Includes allowance for necessary tree and brush removal. \$75,000 allowance for pavement repairs.
	Sewer	G.O. Bonds	100,000	Hall Street Facility roof replacement with EPDM roofing system.
			\$375,000	2019 Subtotal
2020	Sewer	G.O. Bonds	1,500,000	Equipment/process improvements - replacement of 2 of 3 secondary clarifier drive mechanisms.
	Sewer	G.O. Bonds	100,000	Equipment/process improvements - update the original sludge digester construction cost estimate and associated cost benefit analysis from 2006 & perform an evaluation of other emerging sludge reduction technologies.
	Sewer	G.O. Bonds	100,000	Equipment/process improvements - allowance for necessary SCADA communication and controls improvements.
			\$1,700,000	2020 Subtotal
2021	Sewer	G.O. Bonds	1,625,000	Equipment/process improvements - replacement of last of 3 original secondary clarifier drive mechanisms; sludge loading conveyor upgrade; aeration blower replacement; sludge holding tank & grit blower replacement.
			\$1,625,000	2021 Subtotal
2022	Sewer	G.O. Bonds	2,375,000	Equipment/process improvements - replacement of 3rd of three original equipment screw pumps; WAS pump/drive replacement; SHT mixing system upgrade; scum processing equipment upgrade; design engineering services for sludge digester facility.
			\$2,375,000	2022 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#104-Hall Street WWTP Renovations	
2023	Sewer G.O. Bonds	12,250,000	Equipment/process improvements - construction of sludge digester facility designed in FY22; replacement of sludge dewatering equipment; Needs Assessment / Facility Master Plan update.
	Sewer G.O. Bonds	540,000	Building/structure improvements - allowance for necessary concrete/structural repairs to tanks & buildings; replacement of 3 garage by rolling doors.
	Sewer Capital Transfer	15,000	Mower replacement.
		\$12,805,000	2023 Subtotal
TOTAL		\$24,392,189	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #107-Beaver Meadow Club House and 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: Revenue increase from year round club house rental fees to add to golf enterprise fund. Renovation of outbuildings will maintain ability to service equipment an facility.

IMPACT IF NOT FUNDED: Deteriorated buildings will reduce efficiency of maintenance and storage activities. Total replacement will be required if buildings are not maintained.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Golf	G.O. Bonds	80,000	0	0	20,000	0	0	0	150,000	0	0	250,000
Golf	Capital Transfer	0	0	0	0	0	0	0	50,000	0	0	50,000
	Total	80,000	0	0	20,000	0	0	0	200,000	0	0	300,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #107-Beaver Meadow Club House and Buildings

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Golf G.O. Bonds	80,000	Cosmetic Upgrades: \$20,000 Indoor Golf Simulator: \$60,000
		\$80,000	2014 Subtotal
2017	Golf G.O. Bonds	10,000	Add an additional HVAC zone to accommodate Pro shop area
	Golf G.O. Bonds	10,000	New windows in Pro Shop
		\$20,000	2017 Subtotal
2021	Golf G.O. Bonds	150,000	Replace Outing Pavilion
	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
		\$200,000	2021 Subtotal
	TOTAL	\$300,000	

**2014-2023
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 M Safety M Facility Cond. N/A Productivity
 Replace L Mandates M Service Def. N/A Tax Base Exp. N/A City Master Pl.
 Rebuild N/A O + M Costs N/A Council Goals M Timeliness Water
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: An engineering study funded in FY 1998 has preliminarily identified deficiencies in the dam and spillway configuration and some age related deterioration of th structure. A more refined construction cost estimate will be available once the 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	G.O. Bonds	0	0	0	0	0	0	0	0	75,000	2,000,000	2,075,000
	Total	0	0	0	0	0	0	0	0	75,000	2,000,000	2,075,000

**2014-2023
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
2022	Water G.O. Bonds	75,000	Engineering forensic investigation, report and design of the Penacook Lake dam and spillway.
		\$75,000	2022 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.
		\$2,000,000	2023 Subtotal
	TOTAL	\$2,075,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

I. PROJECT TYPE: GSD Vehicles

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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	G.O. Bonds	133,000	0	0	112,000	64,000	125,000	60,000	175,000	0	0	669,000
General	G.O. Bonds	620,000	625,000	670,000	743,000	841,000	920,000	1,037,000	1,052,000	1,100,000	1,200,000	8,808,000
Sewer	G.O. Bonds	45,000	0	310,000	100,000	38,000	130,000	170,000	175,000	0	0	968,000
	Total	798,000	625,000	980,000	955,000	943,000	1,175,000	1,267,000	1,402,000	1,100,000	1,200,000	10,445,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General G.O. Bonds	250,000	Replace wheel loader HWY/COMF unit # 090
	Water G.O. Bonds	60,000	Replace one ton crew cab water utility truck (2004) unit #411
	General G.O. Bonds	55,000	Replace 4x4 1 ton dual wheel truck (2001) unit 037
	General G.O. Bonds	55,000	Replace 4x4 1 ton dump & plow (2002). 161
	General G.O. Bonds	53,000	Replace 1 ton crew cab pick-up truck (1995). 434 HWY
	General G.O. Bonds	53,000	Replace 1-Ton 4wd truck crew cab dual wheel diesel (1995). 1123 HWY
	Water G.O. Bonds	48,000	Replace 3/4-ton 4x4 pick-up truck with plow, spreader and lift gate for the treatment plant. (2004) 875
	Sewer G.O. Bonds	45,000	Replace 1 3/4-ton pick-up truck (2003) unit 108
	General G.O. Bonds	39,000	Replace 3 stainless steel 5CY sanders (1996,1996,1996) Units 1226SS, 1228SS, 1229SS
	General G.O. Bonds	26,000	Replace two (2) stainless steel 5cy sanders (2000, 2000) 0057SS, 1227SS
	General G.O. Bonds	25,000	Replace highway COMF pick-up truck (2002) unit 253
	General G.O. Bonds	25,000	Replace 1 public properties pick-up truck (2002) unit #252
	Water G.O. Bonds	25,000	Replace 1 water utility pick-up truck (2002) unit #254
	General G.O. Bonds	18,000	Replace out front rotary mower. Parks. DDD
	General G.O. Bonds	13,000	Replace one (1) 5cy stainless sander unit #0425SS
	General G.O. Bonds	8,000	Replace 1 stainless steel 3 cy sanders (2000) Unit # 0037SS
		\$798,000	2014 Subtotal
2015	General G.O. Bonds	275,000	Replace highway grader. (2002) Unit #008
	General G.O. Bonds	150,000	Replace 6 wheel dump truck (highways) unit #425
	General G.O. Bonds	95,000	Replace loader backhoe GSD Highways & Utilities Division unit #021
	General G.O. Bonds	60,000	Replace one, 1-ton 4X4 pick-up truck w/plow. 177
	General G.O. Bonds	20,000	Replace landscape trailer (1995) unit #184
	General G.O. Bonds	18,000	Replace out front rotary mower, parks. EEE
	General G.O. Bonds	7,000	Front mounted blower FFF

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#121-Equipment Replacement Program	
			\$625,000 2015 Subtotal
2016	General G.O. Bonds	320,000	Replace 2 sidewalk tractors; unit #1356 & 1358
	Sewer G.O. Bonds	250,000	Replace truck sludge hauler (2001) unit #112
	General G.O. Bonds	154,000	Replace one (1) six wheel dump truck unit # 056
	General G.O. Bonds	62,000	Replace two king cab pick up trucks, engineering. 455, 456
	Sewer G.O. Bonds	60,000	Replace one ton crew cab "brick" truck (2004) 135
	General G.O. Bonds	57,000	Replace 4x4 1-ton dual wheel F350 (2003) unit 038
	General G.O. Bonds	57,000	Replace 4x4 pick-up truck with dump body (2006) unit #1106
	General G.O. Bonds	20,000	Replace tractor, parks. (GGG)
		\$980,000	2016 Subtotal
2017	General G.O. Bonds	320,000	Replace two (2) 6 wheel dump trucks units #057,058
	General G.O. Bonds	76,000	Replace 2 - F250 4x4 pick-up trucks (2006, 2006) units 654, 655
	General G.O. Bonds	62,000	Replace airport/properties 1-ton pick-up truck with dump body. (2005) 901
	Sewer G.O. Bonds	62,000	Replace 1 4x2 F350 crew cab (2006) unit #703
	General G.O. Bonds	62,000	Replace F350 4x4 with tool body and lift gate (2004) unit #088
	General G.O. Bonds	55,000	Replace out front mower. Grounds/COMF 665
	Water G.O. Bonds	50,000	Replace vacuum excavator (2002) unit #134
	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 CEM
	Water G.O. Bonds	38,000	Replace 1 water utility 4X4 pick-up truck (2006) unit #821
	Sewer G.O. Bonds	38,000	Replace 4x4 pick-up unit #702 F250
	General G.O. Bonds	30,000	Replace 2 stainless steel 5cy sanders (2002, 2002) units 0056SS, 0058SS
	Water G.O. Bonds	24,000	One 5 door hatchback sedan (2009) unit #876
	General G.O. Bonds	23,000	Infield Pro Mower (Parks) III
	General G.O. Bonds	20,000	Replace tilt top trailer (1966) unit #065
	General G.O. Bonds	20,000	Replace tractor & mower unit # HHH parks
	General G.O. Bonds	15,000	Replace 1 stainless steel 5cy sander (1998) unit #0045SS

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:		GS-HIGHWAY / UTILITIES	#121-Equipment Replacement Program
	General G.O. Bonds	10,000	Replace 3.4cy stainless steel spreader for one ton (2002) 1106SS
		\$955,000	2017 Subtotal
2018	General G.O. Bonds	220,000	Replace 1 street sweeper (2002) unit #014
	General G.O. Bonds	100,000	Replace gang mower 164 unit #670
	General G.O. Bonds	100,000	Replace 1988 snow blower. Unit #001 HWY
	General G.O. Bonds	95,000	Replace 1 shop fork truck (1997) unit #149
	General G.O. Bonds	60,000	Replace 2 leaf blowers and boxes (1999,1998). 049, 050 HWY
	General G.O. Bonds	58,000	Replace cemetery F450 pick-up with dump body (2006) unit #601
	General G.O. Bonds	55,000	Replace skid steer tractor with accessories (2002) unit #098
	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
	Water G.O. Bonds	32,000	Replace 1 c1500 4x2 pick-up truck (2006) unit #871
	General G.O. Bonds	30,000	Replace leaf loader (2000) CEM unit #190
	General G.O. Bonds	25,000	Replace 1 5-ton tandem trailer (2000) unit #064
	General G.O. Bonds	23,000	Infield mower (parks) KKK
	General G.O. Bonds	20,000	Replace 1 low bed tilt top trailer (2004) unit #185
	General G.O. Bonds	18,000	Replace out front rotary mower, cemeteries unit #JJJ
	General G.O. Bonds	15,000	Replace 1- 20' trailer (2002) unit #189
	General G.O. Bonds	12,000	Replace 1 sweeper trailer (2003) unit #188
	General G.O. Bonds	10,000	Replace stainless steel 1.5cy sander (2000) unit #0601SS
		\$943,000	2018 Subtotal
2019	General G.O. Bonds	269,000	Replace 1 front end bucket loader (2001) unit #025
	General G.O. Bonds	260,000	Replace 4- F450 4x4 pick-up trucks (2009,2009,2009,2009) 1103,1104,1105, 669
	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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#121-Equipment Replacement Program
	General G.O. Bonds	40,000 Replace tow behind air compressor (2001) 407
	Water G.O. Bonds	40,000 Replace tow behind compressor (2001) 409
	General G.O. Bonds	40,000 Replace 1 3/4-ton crew cab pick-up truck (2008) unit #653
	Sewer G.O. Bonds	40,000 Replace 1 tow behind compressor (1993) unit #422
	General G.O. Bonds	38,000 Replace 3/4-ton 4x4 pick up and plow (2006) 1101
	General G.O. Bonds	38,000 Replace 1 K2500 3/4-ton 4x4 pick-up truck (2006) unit #651
	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
	General G.O. Bonds	20,000 Out front rotary mower (parks) LLL
	Water G.O. Bonds	15,000 Replace 1 spreader 1.5cy (2004) unit #0875SS
		\$1,175,000 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
	Sewer G.O. Bonds	170,000 Replace 6 wheel dump truck unit #753 S UTIL/COM
	General G.O. Bonds	170,000 Replace 1 six wheel dump (2006) unit #1224
	Water G.O. Bonds	60,000 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 1 1/2-ton supercar pick-up truck (2008) unit #904
	General G.O. Bonds	33,000 Replace 4X2 1 supercar pick-up truck (2010) unit #458
	General G.O. Bonds	18,000 Out front rotary mower MMM
		\$1,267,000 2020 Subtotal
2021	General G.O. Bonds	350,000 Replace two 6-wheel dump trucks (2008, 2008) units 1228,1229
	General G.O. Bonds	350,000 Replace two 6-wheel dump trucks units #1225 & 1227
	General G.O. Bonds	205,000 Replace one 10-wheel dump truck (2009) unit 1230

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#121-Equipment Replacement Program	
	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	18,000	Replace cemetery sweeper, cemeteries. NNN
	General G.O. Bonds	16,000	Replace 1 stainless 6cy sander (2008) unit 704SS
		\$1,402,000	2021 Subtotal
2022	General G.O. Bonds	274,000	Replace wheel loader unit #1301
	General G.O. Bonds	120,000	Blower Unit #1375
	General G.O. Bonds	120,000	Snow blower unit #004
	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	65,000	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
	General G.O. Bonds	40,000	Trailer #1401
	General G.O. Bonds	40,000	Leaf loader unit #1378
	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	Cargo van unit #602
	General G.O. Bonds	15,000	6 ton utility trailer unit #652
		\$1,100,000	2022 Subtotal
2023	General G.O. Bonds	720,000	Replace four (4) 6 wheel dump trucks units # 1231,1232,1233,1234
	General G.O. Bonds	370,000	Replace two (2) Trackless Sidewalk Tractors HWY/COMF Units #1363,1364
	General G.O. Bonds	50,000	Replace 20 ton low bed trailer (1989) unit #082
	General G.O. Bonds	29,000	Replace saltmarsh trailer PP/HALL unit #115

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#121-Equipment Replacement Program	
	General G.O. Bonds	25,000	Tandem trailer unit #061
	General G.O. Bonds	6,000	Utility trailer unit #1402
		<hr/>	
		\$1,200,000	2023 Subtotal
		<hr/>	
TOTAL		\$10,445,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #124-SCADA Instrumentation Improvements

I. PROJECT TYPE: Water Distribution System

II. LOCATION: 53 Hutchins St. and pump 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. City Master Pl. Timeliness

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	Capital Transfer	0	0	25,000	0	0	25,000	0	0	25,000	0	75,000
	Total	0	0	25,000	0	0	25,000	0	0	25,000	0	75,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #124-SCADA Instrumentation Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	Water Capital Transfer	25,000	SCADA equipment and software needs assessment update. Review existing conditions and recommend future growth.
		<hr/>	
		\$25,000	2016 Subtotal
2019	Water Capital Transfer	25,000	SCADA equipment and software updates.
		<hr/>	
		\$25,000	2019 Subtotal
2022	Water Capital Transfer	25,000	SCADA equipment and software updates.
		<hr/>	
		\$25,000	2022 Subtotal
	TOTAL	<hr/>	
		\$75,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

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 N/A Safety M Facility Cond. H Productivity
 Replace N/A Mandates L Service Def. N/A Tax Base Exp. N/A City Master Pl.
 Rebuild L O + M Costs N/A Council Goals M 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 units for photocopying, printing from the desktop and scanning to the desktop. 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 copiers 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: Funds are provided from copier reserve for periodic replacement of these copiers through a surcharge per copy.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2013 PREVIOUS AMOUNT: 13,500

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

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	28,500	5,500	28,400	23,000	20,300	30,500	6,000	14,500	24,000	37,700	218,400
	Total	28,500	5,500	28,400	23,000	20,300	30,500	6,000	14,500	24,000	37,700	218,400

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General Capital Transfer	28,500	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 (New Interim Heights Community Center at the former Dame School) and Police, Records (CPD Headquarters).
		\$28,500	2014 Subtotal
2015	General Capital Transfer	5,500	Replace networked multi-functional copier/printer/scanner for the following City department (location): Finance, Collections (City Hall).
		\$5,500	2015 Subtotal
2016	General Capital Transfer	28,400	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), Finance, OMB (City Hall), Multiple departments (2nd floor City Hall), Library, Admin (2nd floor Library).
		\$28,400	2016 Subtotal
2017	General Capital Transfer	23,000	Replace networked multi-functional copiers/printers/scanners for the following City departments (locations): Finance, Accounting & Purchasing (COMF), Legal (Prosecutor's Office).
		\$23,000	2017 Subtotal
2018	General Capital Transfer	20,300	Replace networked multifunctional copier/printer/scanner for the following City departments (locations): Assessing (City Hall), Multiple departments (3rd floor of City Hall).
		\$20,300	2018 Subtotal
2019	General Capital Transfer	30,500	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 (New Community Center) and Police, Records (CPD Headquarters).
		\$30,500	2019 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	FINANCE PURCHASING	#130-Multi-Function Photocopy Machine		
2020	General Capital Transfer	6,000		Replace networked multi-functional copier/printer/scanner for the following City department (location): Finance, Collections (City Hall).
		\$6,000	2020 Subtotal	
2021	General Capital Transfer	14,500		Replace networked multi-functional copier/printer/scanner for the following City department (location): Multiple departments (2nd floor City Hall)
		\$14,500	2021 Subtotal	
2022	General Capital Transfer	24,000		Replace networked multi-functional copiers/printers/scanners for the following City departments (locations): Finance, Accounting & Purchasing (COMF), Legal (Prosecutor's Office).
		\$24,000	2022 Subtotal	
2023	General Capital Transfer	37,700		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), Finance, OMB (City Hall), Multiple departments (3rd floor City Hall), Library, Admin (2nd floor Library).
		\$37,700	2023 Subtotal	
	TOTAL	\$218,400		

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #230-Opticom Replacement

I. PROJECT TYPE: Public Safety

II. LOCATION: Various Intersections in the City

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: Start the planned systematic replacement of superannuated (over 15 years old) equipment which permits traffic signal preemption by units responding to emergencies (turns signals green in the direction of emergency vehicle travel).

SERVICE IMPACT: Provide continuous use of Opticom traffic control equipment.

IMPACT IF NOT FUNDED: Opticom traffic control equipment could fail or shut down preventing signal preemption by fire and rescue vehicles creating 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	12,500	0	12,500	0	12,500	0	12,500	0	12,500	0	62,500
	Total	12,500	0	12,500	0	12,500	0	12,500	0	12,500	0	62,500

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #230-Opticom Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General Capital Transfer	<u>12,500</u>	Opticom replacement (City Wide)
		\$12,500	2014 Subtotal
2016	General Capital Transfer	<u>12,500</u>	Opticom replacement (City Wide)
		\$12,500	2016 Subtotal
2018	General Capital Transfer	<u>12,500</u>	Opticom replacement (City Wide)
		\$12,500	2018 Subtotal
2020	General Capital Transfer	<u>12,500</u>	Opticom replacement (City Wide)
		\$12,500	2020 Subtotal
2022	General Capital Transfer	<u>12,500</u>	Opticom Replacement (city wide)
		\$12,500	2022 Subtotal
	TOTAL	<u>\$62,500</u>	

**2014-2023
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" value="L"/> Safety	<input type="checkbox" value="L"/> Facility Cond.	<input type="checkbox" value="L"/> 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" value="N/A"/> O + M Costs	<input type="checkbox" value="N/A"/> Council Goals	<input type="checkbox" value="L"/> Timeliness	
<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Ongoing programmed improvements to renovate and improve course conditions. Improvements typically consist of greens rehabilitation (begun in FY1999), te renovations (1999 user survey item), resurfacing of golf cart paths, and irrigation improvements.

SERVICE IMPACT: Repair costs will decline and player satisfaction will increase.

IMPACT IF NOT FUNDED: Existing condition will continue to decline, repair costs will increase and customer satisfaction will deteriorate.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Golf	G.O. Bonds	40,000	100,000	160,000	110,000	50,000	60,000	90,000	100,000	0	0	710,000
Golf	Capital Transfer	0	0	0	0	0	0	60,000	0	0	0	60,000
General	G.O. Bonds	0	60,000	0	0	0	0	0	0	0	0	60,000
	Total	40,000	160,000	160,000	110,000	50,000	60,000	150,000	100,000	0	0	830,000

**2014-2023
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
2014	Golf G.O. Bonds	40,000	Automatic Ball Dispenser: \$20,000 Teaching Area Improvements: \$20,000
		\$40,000	2014 Subtotal
2015	General G.O. Bonds	60,000	Replacement of existing culverts at 12th green, 14th/16th green, and 15th tee box as part of pond mitigation effort.
	Golf G.O. Bonds	50,000	Work on poor drainage areas at the 2nd, 10th, 14th, 15th, & 16th Fairways.
	Golf G.O. Bonds	40,000	1st green to 2nd ladies tee and 16th from start to 150 yard maker
	Golf G.O. Bonds	10,000	Expand to 4 sets of tee boxes. \$10,000 a year for next 4 years.
		\$160,000	2015 Subtotal
2016	Golf G.O. Bonds	150,000	Continued phased improvements of the irrigation pump station and control system recommended in the 2008 report.
	Golf G.O. Bonds	10,000	Expand Tee boxes
		\$160,000	2016 Subtotal
2017	Golf G.O. Bonds	90,000	Rebuild the 9th green complex
	Golf G.O. Bonds	10,000	Design of the 9th Green.
	Golf G.O. Bonds	10,000	Expand Tee boxes
		\$110,000	2017 Subtotal
2018	Golf G.O. Bonds	40,000	Improve awnings and a 3 season room.
	Golf G.O. Bonds	10,000	Expand Tee boxes
		\$50,000	2018 Subtotal
2019	Golf G.O. Bonds	60,000	Grind and pave
		\$60,000	2019 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	REC-GROUNDS	#235-Golf Course Grounds Improvements	
2020	Golf G.O. Bonds	90,000	Reconstruct the 4th green.
	Golf Capital Transfer	50,000	Improvements to the irrigation piping system.
	Golf Capital Transfer	10,000	Design reconstruction of the 4th green.
		<hr/>	
		\$150,000	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.
		<hr/>	
		\$100,000	2021 Subtotal
		<hr/>	
	TOTAL	\$830,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #244-Meter Improvements

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 are critical to the charges levied against the users of the water and sewer systems.

IMPACT IF NOT FUNDED: Instability of revenue in the 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	Capital Transfer	104,000	101,000	104,000	81,000	70,000	73,000	76,000	100,000	125,000	125,000	959,000
	Total	104,000	101,000	104,000	81,000	70,000	73,000	76,000	100,000	125,000	125,000	959,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Water Capital Transfer	104,000	Phased installation of meters and reading devices. 850 units.
		<u>\$104,000</u>	2014 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-WATER	#244-Meter Improvements		
2015	Water	Capital Transfer	101,000	Phased installation of meters and reading devices. 800 units.
			\$101,000	2015 Subtotal
2016	Water	Capital Transfer	104,000	Phased installation of meters and reading devices. 800 units.
			\$104,000	2016 Subtotal
2017	Water	Capital Transfer	81,000	Phased installation of meters and reading devices. 600 units.
			\$81,000	2017 Subtotal
2018	Water	Capital Transfer	70,000	Phased installation of meters and reading devices. 500 units.
			\$70,000	2018 Subtotal
2019	Water	Capital Transfer	73,000	Phased installation of meters and reading devices. 500 units.
			\$73,000	2019 Subtotal
2020	Water	Capital Transfer	76,000	Phased installation of meters and reading devices. 500 units.
			\$76,000	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
	TOTAL		\$959,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #245-Recurring Plant & Pump Station Capital Outlay

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Sewer	Capital Outlay	51,500	53,000	54,500	56,000	58,000	59,500	61,500	63,500	65,500	67,500	590,500
	Total	51,500	53,000	54,500	56,000	58,000	59,500	61,500	63,500	65,500	67,500	590,500

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Sewer Capital Outlay	51,500	Emergency/unanticipated capital equipment replacement.
		\$51,500	2014 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#245-Recurring Plant & Pump Station Capital Outlay		
2015	Sewer	Capital Outlay	53,000	Emergency/unanticipated capital equipment replacement.
			\$53,000	2015 Subtotal
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
	TOTAL		\$590,500	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #252-Fire Facility Renovations

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 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 / improvements to the existing fire stations on an annual basis.

SERVICE IMPACT: The station repairs are varied but most include projects and necessary replacement of building features. Staff will use these dollars to maximize energy efficiency at every opportunity.

IMPACT IF NOT FUNDED:

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	50,000	320,000	75,000	75,000	75,000	75,000	75,000	500,000	1,245,000
General	Capital Transfer	0	100,000	0	0	0	0	0	0	0	0	100,000
	Total	0	100,000	50,000	320,000	75,000	75,000	75,000	75,000	75,000	500,000	1,345,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #252-Fire Facility Renovations

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Transfer	100,000	Comprehensive facilities needs assessment / master plan for the 4 fire stations. Will include analysis of potential closure and relocation of Heights Station to East Concord.
		\$100,000	2015 Subtotal
2016	General G.O. Bonds	50,000	Replace HVAC System at Broadway Fire Station.
		\$50,000	2016 Subtotal
2017	General G.O. Bonds	200,000	Construct additional apparatus bay to the Broadway Station. (Pending Needs Assessment / Master Plan)
	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)
		\$320,000	2017 Subtotal
2018	General G.O. Bonds	75,000	Placeholder for miscellaneous Improvements to all 4 Fire Stations. (Pending outcome of Needs Assessment / Master Plan).
		\$75,000	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).
		\$75,000	2021 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	FIRE	#252-Fire Facility Renovations		
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	Design a new fire station in East Concord.
			<u>500,000</u>	2023 Subtotal
		TOTAL	<u>\$1,345,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #254-Emergency/Unanticipated Capital 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	Capital Outlay	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
	Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Water Capital Outlay	50,000	Emergency/unanticipated replacement of capital equipment.
		\$50,000	2014 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-WATER	#254-Emergency/Unanticipated Capital Equipment Replacement		
2015	Water	Capital Outlay	50,000	Emergency/unanticipated replacement of capital equipment.
			\$50,000	2015 Subtotal
2016	Water	Capital Outlay	50,000	Emergency/unanticipated replacement of capital equipment.
			\$50,000	2016 Subtotal
2017	Water	Capital Outlay	50,000	Emergency/unanticipated replacement of capital equipment.
			\$50,000	2017 Subtotal
2018	Water	Capital Outlay	50,000	Emergency/unanticipated replacement of capital equipment.
			\$50,000	2018 Subtotal
2019	Water	Capital Outlay	50,000	Emergency/unanticipated replacement of capital equipment.
			\$50,000	2019 Subtotal
2020	Water	Capital Outlay	50,000	Emergency/unanticipated replacement of capital equipment.
			\$50,000	2020 Subtotal
2021	Water	Capital Outlay	50,000	Emergency/unanticipated replacement of capital equipment.
			\$50,000	2021 Subtotal
2022	Water	Capital Outlay	50,000	Emergency/unanticipated replacement of capital equipment.
			\$50,000	2022 Subtotal
2023	Water	Capital Outlay	50,000	Emergency/unanticipated replacement of capital equipment.
			\$50,000	2023 Subtotal
	TOTAL		\$500,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #267-Signalization Project - South Main/Broadway Street

I. PROJECT TYPE: Intersections

II. LOCATION: South Main/Broadway Street Intersection

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. Intersection Improvement
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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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Impact Fees Traf Dist 3	0	0	0	0	0	0	250,000	0	0	0	250,000
	Total	0	0	0	0	0	0	250,000	0	0	0	250,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #267-Signalization Project - South Main/Broadway Street

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2020	General Impact Fees Traf Dist 3	250,000	Design and construct intersection improvements.
		<u>\$250,000</u>	2020 Subtotal
	TOTAL	<u>\$250,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #275-Pump Station Renovations

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 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 maintenance/repair costs will increase.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Sewer	Mountain Green Reserve	0	0	0	0	0	0	0	40,000	0	800,000	840,000
Sewer	G.O. Bonds	125,000	400,000	50,000	160,000	0	125,000	225,000	25,000	50,000	0	1,160,000
	Total	125,000	400,000	50,000	160,000	0	125,000	225,000	65,000	50,000	800,000	2,000,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #275-Pump Station Renovations

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Sewer G.O. Bonds	100,000	SCADA improvement design at all 8 pump stations
	Sewer G.O. Bonds	25,000	Electrical Arc Flash protection
		\$125,000	2014 Subtotal
2015	Sewer G.O. Bonds	400,000	SCADA construction and implementation
		\$400,000	2015 Subtotal
2016	Sewer G.O. Bonds	50,000	Loudon Road pump station emergency generator.
		\$50,000	2016 Subtotal
2017	Sewer G.O. Bonds	160,000	East Concord pump station improvements - standby generator replacement; electrical system upgrade.
		\$160,000	2017 Subtotal
2019	Sewer G.O. Bonds	75,000	Mall pump station Variable Speed Drives for the pumps.
	Sewer G.O. Bonds	50,000	Hannah Dustin pump station improvements - standby generator replacement.
		\$125,000	2019 Subtotal
2020	Sewer G.O. Bonds	200,000	East Concord pump station improvements - roof replacement.
	Sewer G.O. Bonds	25,000	SCADA upgrades
		\$225,000	2020 Subtotal
2021	Sewer Mountain Green Reserve	40,000	Mountain Green North generator replacement
	Sewer G.O. Bonds	25,000	East Concord Pump Station boiler replacement
		\$65,000	2021 Subtotal
2022	Sewer G.O. Bonds	50,000	Replace grinders at East Concord and Chenell Drive pump stations.

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#275-Pump Station Renovations		
			\$50,000	2022 Subtotal
2023	Sewer	Mountain Green Reserve	400,000	Replace Mt Green south pump station
	Sewer	Mountain Green Reserve	400,000	Replace the Mt Green north pump station
			\$800,000	2023 Subtotal
	TOTAL		\$2,000,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #276-Public Properties Condition Report and 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 \$30 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #276-Public Properties Condition Report and Renovation Plan

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Transfer	150,000	Contract consultant services for a complete municipal building assessment. DuBois & King report update.
		<u>\$150,000</u>	2015 Subtotal
	TOTAL	<u>\$150,000</u>	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Impact Fees Traf Dist 4	12,500	0	0	0	0	0	0	0	0	0	12,500
General	Impact Fees Traf Dist 3	12,500	0	0	0	0	0	0	0	0	0	12,500
General	G.O. Bonds	0	0	0	0	100,000	0	150,000	0	0	0	250,000
General	Highway Reserve	70,000	150,000	175,000	0	0	0	0	0	0	0	395,000
	Total	95,000	150,000	175,000	0	100,000	0	150,000	0	0	0	670,000

**2014-2023
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
2014	General Highway Reserve	70,000	N. Main Street/Bouton Street/I-393 - Replace signal controller cabinet including all electronic components, install video detection and pedestrian countdown signals with blank out signs.
	General Impact Fees Traf Dist 4	12,500	Water Street Corridor. Impact Fee District 4 Share.
	General Impact Fees Traf Dist 3	12,500	Signal Coordination Improvements - Investigate and implement signal timing changes to enhance traffic signal coordination along the Water Street corridor including the signalized intersections at Old Turnpike Road, I-93 Exit 13, Hall Street, S. Main Street and Storrs Street. Funded by Impact Fee Districts 3 and 4, respectively.
		\$95,000	2014 Subtotal
2015	General Highway Reserve	150,000	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.
		\$150,000	2015 Subtotal
2016	General Highway Reserve	175,000	Pleasant Street/Green Street - Replace existing traffic signal equipment with new equipment including pedestrian countdown signals, blank out signs, audible pedestrian equipment, video detection and improve sidewalk corners, crosswalk geometry and pavement graphics.
		\$175,000	2016 Subtotal
2018	General G.O. Bonds	100,000	Pleasant Street/State Street - Replace existing traffic signal mast arm supports, install new equipment including pedestrian countdown signals, and improve sidewalk corners, crosswalk geometry and pavement graphics.
		\$100,000	2018 Subtotal
2020	General G.O. Bonds	150,000	Pleasant Street/Spring Street - Replace existing traffic signal equipment with new equipment including pedestrian countdown signals, blank out signs, audible pedestrian equipment, video detection and improve sidewalk corners, crosswalk geometry and pavement graphics.
		\$150,000	2020 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#283-Traffic Signals and Traffic Operations Improvements
	TOTAL	<u>\$670,000</u>

**2014-2023
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 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"/> Other
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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 in the years to come.

Internet GIS software has been operational on the web server 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 to 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 useless. 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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	3,500	3,500	3,500	3,500	128,500	53,500	3,500	3,500	0	0	203,000
Sewer	Capital Transfer	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	0	0	28,000
General	Capital Outlay	0	90,000	90,000	125,000	0	0	0	0	0	0	305,000
Water	Capital Transfer	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	0	0	28,000
Total		10,500	100,500	100,500	135,500	135,500	60,500	10,500	10,500	0	0	564,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General Capital Transfer	3,500	GIS Layer Development - See GIS Master Plan. Funding for GIS Interns.
	Water Capital Transfer	3,500	
	Sewer Capital Transfer	3,500	
	<u>\$10,500</u>		
2015	General Capital Outlay	90,000	Digital Tax Map Development - Phase 3
	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 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)
<u>\$100,500</u>		2015 Subtotal	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#297-Geographic Information Systems (GIS)	
2016	General Capital Outlay	90,000	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)
	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.
		\$100,500	2016 Subtotal
2017	General Capital Outlay	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.
	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)
		\$135,500	2017 Subtotal

**2014-2023
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 6
			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	2018 Subtotal
2019	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.
	Water Capital Transfer	3,500	GIS Layer Development (Water Portion)
	Sewer Capital Transfer	3,500	GIS Layer Development (Sewer Portion)
		\$60,500	2019 Subtotal
2020	Water Capital Transfer	3,500	2020 GIS Layer Development
	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.
		\$10,500	2020 Subtotal
2021	Water Capital Transfer	3,500	2021 GIS Layer Development (Water Portion)
	Sewer Capital Transfer	3,500	2021 GIS Layer Development (Sewer Portion)
	General Capital Transfer	3,500	GIS Layer Development - See GIS Master Plan. Funding for GIS Interns.
		\$10,500	2021 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CD-ENGINEERING SERVICES	#297-Geographic Information Systems (GIS)
TOTAL		<u>\$564,000</u>

**2014-2023
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.

The City will be hiring a consultant to scope projects out in a detailed fashion.

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.

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	103,000	0	0	0	0	0	0	103,000
Water	G.O. Bonds	0	0	0	36,500	0	0	0	0	0	0	36,500
Sewer	G.O. Bonds	0	0	0	36,500	0	0	0	0	0	0	36,500
Golf	G.O. Bonds	0	0	0	3,000	0	0	0	0	0	0	3,000
Arena	G.O. Bonds	0	0	0	3,000	0	0	0	0	0	0	3,000
Parking	G.O. Bonds	0	0	0	3,000	0	0	0	0	0	0	3,000
	Total	0	0	0	185,000	0	0	0	0	0	0	185,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	General G.O. Bonds	103,000	Funds for time collection software, e.g. Kronos or Stromberg (software and implementation est. \$160,000) plus hardware (est. \$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.
		<u>\$185,000</u>	2017 Subtotal
	TOTAL	<u>\$185,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #305-Fire Replace 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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	190,000	190,000	0	0	0	0	0	0	380,000
	Total	0	0	190,000	190,000	0	0	0	0	0	0	380,000

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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	FIRE	#305-Fire Replace Portable Radios		
2017	General G.O. Bonds		190,000	Systematic replacement of portable radios
			\$190,000	2017 Subtotal
	TOTAL		\$380,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #309-Fire Protective Equipment

I. PROJECT TYPE: Public Safety

II. LOCATION: All Stations

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="M"/> Productivity	
SERVED:	<input checked="" 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="L"/> 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	
	<input type="checkbox"/> 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	600,000	0	0	0	0	0	0	0	0	600,000
General	Capital Transfer	0	0	0	0	70,000	70,000	70,000	0	0	0	210,000
	Total	0	600,000	0	0	70,000	70,000	70,000	0	0	0	810,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #309-Fire Protective Equipment

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	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	2015 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
	TOTAL	\$810,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #321-Water Conservation, Supply Study and Rate Study and Master Plan Update

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 2010 was split into three phases. 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: As the City continues to grow, confirmation of the Master Plan recommendations will be necessary to plan for the capital costs and implementation.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	G.O. Bonds	0	0	30,000	90,000	0	0	200,000	0	0	0	320,000
	Total	0	0	30,000	90,000	0	0	200,000	0	0	0	320,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #321-Water Conservation, Supply Study and Rate Study and Master Plan Update

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. The three phase master plan update 2006-2010 recommended the Merrimack River as the City's water supply for the future. A Groundwater Development Zone of primary concern lies along the Merrimack River in the area targeted by the report on City and State Prison land.
		\$90,000	2017 Subtotal
2020	Water G.O. Bonds	200,000	Update the Master Plan completed in 2010.
		\$200,000	2020 Subtotal
	TOTAL	\$320,000	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	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

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: REC-GROUNDS #322-Picnic Shelters

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	General Capital Transfer	5,000	Refurbish the picnic shelter at Memorial Field.
		<u>\$5,000</u>	2017 Subtotal
2018	General Capital Transfer	5,000	Refurbish the picnic shelter at Keach Park.
		<u>\$5,000</u>	2018 Subtotal
2019	General Capital Transfer	5,000	Refurbish 2002 picnic shelter at Merrill Park.
		<u>\$5,000</u>	2019 Subtotal
	TOTAL	<u>\$15,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #323-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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	80,000	112,000	152,000	70,000	60,000	190,000	210,000	50,000	50,000	30,000	1,004,000
Sewer	Capital Transfer	5,500	0	0	0	0	0	0	0	0	0	5,500
Sewer	G.O. Bonds	35,000	50,000	70,000	37,500	20,000	70,000	70,000	25,000	25,000	15,000	417,500
Water	Capital Transfer	5,500	0	0	0	0	0	0	0	0	0	5,500
Water	G.O. Bonds	35,000	50,000	70,000	37,500	20,000	70,000	70,000	25,000	25,000	15,000	417,500
	Total	161,000	212,000	292,000	145,000	100,000	330,000	350,000	100,000	100,000	60,000	1,850,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #323-COMF Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General G.O. Bonds	70,000	Sprinkler system repair to the vehicle storage area three sprinkler systems due to deficiencies. Administration building dry sprinkler system, replacement of existing sprinkler pipe due to corrosion caused by micro-organisms. Ceiling tiles and painting.
	Sewer G.O. Bonds	35,000	Sprinkler system repair to the vehicle storage area three sprinkler systems due to deficiencies. Administration building dry sprinkler system, replacement of existing sprinkler pipe due to corrosion caused by micro-organisms. Ceiling tiles and painting.
	Water G.O. Bonds	35,000	Sprinkler system repair to the vehicle storage area three sprinkler systems due to deficiencies. Administration building dry sprinkler system, replacement of existing sprinkler pipe due to corrosion caused by micro-organisms. Ceiling tiles and painting.
	General G.O. Bonds	10,000	Repair stairs and landing at parts department loading dock.
	Water Capital Transfer	5,500	Repair stairs and landing at parts department loading dock
	Sewer Capital Transfer	5,500	Repair stairs and landing at parts department loading dock
			\$161,000
2015	General G.O. Bonds	100,000	Elastometric Roof Coating for the standing seam roofs.
	Sewer G.O. Bonds	50,000	Elastometric Roof Coating for the standing seam roofs.
	Water G.O. Bonds	50,000	Elastometric Roof Coating for the standing seam roofs.
	General G.O. Bonds	12,000	Arc Flash analysis, signage and training.
		\$212,000	2015 Subtotal
2016	General G.O. Bonds	110,000	Elastometric Roof Coating for the standing seam roofs.
	Sewer G.O. Bonds	55,000	Elastometric Roof Coating for the standing seam roofs.
	Water G.O. Bonds	55,000	Elastometric Roof Coating for the standing seam roofs.
	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
	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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#323-COMF Improvements	
	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.
	General G.O. Bonds	12,000	Replace Temper for outside air for AC-4 and MAU-6, plus other minor improvements
		\$292,000	2016 Subtotal
2017	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	20,000	Elastometric Roof Coating for the standing seam roofs.
	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.
	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	12,500	Elastometric Roof Coating for the standing seam roofs.
	Sewer G.O. Bonds	12,500	Elastometric Roof Coating for the standing seam roofs.
	Sewer G.O. Bonds	10,000	Repaint walls and replace carpet in all principal areas of the facility. Sewer Fund portion
	Water G.O. Bonds	10,000	Repaint walls and replace carpet in all principal areas of the facility. Water Fund portion
		\$145,000	2017 Subtotal
2018	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	2018 Subtotal
2019	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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#323-COMF Improvements	
	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)
		\$330,000	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
	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	2020 Subtotal
2021	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	2021 Subtotal
2022	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	2022 Subtotal
2023	General G.O. Bonds	30,000	Crack seal and seal coat existing pavement. General Fund share.
	Sewer G.O. Bonds	15,000	Crack seal and seal coat existing pavement. Sewer Fund share.
	Water G.O. Bonds	15,000	Crack seal and seal coat existing pavement. Water Fund share.
		\$60,000	2023 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#323-COMF Improvements
TOTAL		<u>\$1,850,000</u>

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #332-Facility Security Measures

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #332-Facility Security Measures

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	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	2014 Subtotal
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.

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-WATER	#332-Facility Security Measures		
			\$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.
			\$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
	TOTAL		\$250,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #335-Thermal Imaging

I. PROJECT TYPE: Public Safety

II. LOCATION: All Stations

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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	30,000	0	0	0	0	30,000	30,000	0	0	0	90,000
	Total	30,000	0	0	0	0	30,000	30,000	0	0	0	90,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #335-Thermal Imaging

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General Capital Transfer	30,000	Phase 2 of 2 for thermal imaging equipment replacement.
		<u>\$30,000</u>	2014 Subtotal
2019	General Capital Transfer	30,000	Phase 1 of 2. Systematic replacement of thermal imaging cameras. Anticipated to replace cameras purchased from FY2012.
		<u>\$30,000</u>	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
		<u>\$30,000</u>	2020 Subtotal
	TOTAL	<u>\$90,000</u>	

**2014-2023
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, acquisitions will be made from among the following: 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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	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

2014-2023
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
2023	General G.O. Bonds	500,000	Placeholder for potential land acquisition for park development.
		<u>\$500,000</u>	2023 Subtotal
	TOTAL	<u>\$500,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SOLID WASTE #344-Reclamation Facility

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Solid Waste	Capital Transfer	0	0	0	0	0	0	0	75,000	0	0	75,000
	Total	0	0	0	0	0	0	0	75,000	0	0	75,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: GS-SOLID WASTE #344-Reclamation Facility

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	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #345-Reopen Well Supply at Pump Station 2

I. PROJECT TYPE: Water Treatment

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

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: 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 2010 Wright - Pierce Engineering report.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	G.O. Bonds	0	0	0	0	0	0	150,000	1,500,000	0	0	1,650,000
	Total	0	0	0	0	0	0	150,000	1,500,000	0	0	1,650,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #345-Reopen Well Supply at Pump Station 2

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.
		<hr/>	
		\$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.
		<hr/>	
		\$1,500,000	2021 Subtotal
		<hr/>	
	TOTAL	\$1,650,000	

**2014-2023
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:

<input type="checkbox"/> New	<input type="checkbox" value="L"/> Safety	<input type="checkbox" value="L"/> Facility Cond.	<input type="checkbox" value="N/A"/> 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="N/A"/> 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	
<input type="checkbox"/> 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	G.O. Bonds	40,000	25,000	30,000	20,000	100,000	0	0	4,000,000	0	0	4,215,000
	Total	40,000	25,000	30,000	20,000	100,000	0	0	4,000,000	0	0	4,215,000

**2014-2023
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
2014	Water G.O. Bonds	40,000	Cleaning, crack sealing and re-application of cementitious coating and reconditioning/replacing altitudes valve and appurtenant controls for the Snow Pond Tank.
		\$40,000	2014 Subtotal
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
2018	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	2018 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
	TOTAL	\$4,215,000	

**2014-2023
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: Annual planned acquisitions of open space and conservation easements in accordance with the priorities of the Open Space Section of the Master Plan 2030. 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Other	Trust	500,000*	500,000	500,000	500,000	0	0	0	0	0	0	2,000,000
	Total	500,000	500,000	500,000	500,000	0	0	0	0	0	0	2,000,000

**2014-2023
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
2014	Other Trust	500,000	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	2014 Subtotal
2015	Other Trust	500,000	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	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	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	\$2,000,000	

**2014-2023
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: 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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	175,000	65,000	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	0	275,000	65,000	0	340,000

**2014-2023
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 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	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.
		\$275,000	2021 Subtotal
2022	General G.O. Bonds	65,000	Basketball and tennis courts - renovation or reconstruction.
		\$65,000	2022 Subtotal
	TOTAL	\$340,000	

**2014-2023
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: 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	30,000	0	0	0	60,000	0	0	0	90,000
General	Capital Transfer	0	15,000	0	0	0	0	0	0	0	0	15,000
	Total	0	15,000	30,000	0	0	0	60,000	0	0	0	105,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #359-Merrill Park

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Transfer	15,000	Softball field back stop replacement.
		<u>\$15,000</u>	2015 Subtotal
2016	General G.O. Bonds	30,000	Upgrade playground equipment to achieve handicap accessibility.
		<u>\$30,000</u>	2016 Subtotal
2020	General G.O. Bonds	60,000	Rehab & Stripe parking lot.
		<u>\$60,000</u>	2020 Subtotal
	TOTAL	<u>\$105,000</u>	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	125,000	0	0	125,000
	Total	0	0	0	0	0	0	0	125,000	0	0	125,000

**2014-2023
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>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #361-Hooksett Turnpike Bridge

I. PROJECT TYPE: Bridges

II. LOCATION: Hooksett Turnpike Bridge over Bela Brook

III. PROJECT OBJECTIVES AND BACKGROUND

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

DESCRIPTION: Replace the existing substandard bridge over Bela Brook. Provide a structure that is acceptable to state standards. The present bridge deck and superstructure is rated in poor condition due to structurally deficient components. This bridge is currently listed as the last red lined bridge on the State inventory list.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	149,800	0	0	0	0	0	149,800
Other	State	0	0	0	0	599,200	0	0	0	0	0	599,200
	Total	0	0	0	0	749,000	0	0	0	0	0	749,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #361-Hooksett Turnpike Bridge

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>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #368-Police Portable & Mobile Radio Replacement Program/System Upgrades

I. PROJECT TYPE: Public Safety

II. LOCATION: Police

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="L"/> Productivity	
	<input checked="" 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 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	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, for the previous three years, we replaced both portable and mobile radios that were 10 to 15 years old. The goal of this CIP project is to establish routine replacement of radios for the Police Department's subscriber units. Radio system upgrades to 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	100,000	150,000	250,000	0	0	0	0	0	0	500,000
	Total	0	100,000	150,000	250,000	0	0	0	0	0	0	500,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: POLICE - OPERATIONS #368-Police Portable & Mobile Radio Replacement Program/System Upgrades

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	100,000	Portable radio replacement.
		<u>\$100,000</u>	2015 Subtotal
2016	General G.O. Bonds	150,000	Point to Point microwave: Police Headquarters to Plausawa and Plausawa to Penacook.
		<u>\$150,000</u>	2016 Subtotal
2017	General G.O. Bonds	250,000	Console and Dispatch Furniture upgrades.
		<u>\$250,000</u>	2017 Subtotal
	TOTAL	<u>\$500,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #370-Police Officers 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	75,000	0	0	0	0	75,000	0	0	150,000
	Total	0	0	75,000	0	0	0	0	75,000	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.
		<u>\$75,000</u>	2016 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	POLICE - OPERATIONS	#370-Police Officers Ballistic Vest Replacement Program	
2021	General G.O. Bonds	75,000	Replace vests purchased in FY2016.
		\$75,000	2021 Subtotal
	TOTAL	\$150,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #372-Pump Station Improvements

I. PROJECT TYPE: Water Treatment

II. LOCATION: Through-out City

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input type="checkbox" value="L"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="H"/> Productivity	
SERVED:	<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 water systems 5 pump stations which serve the City, as follows:

- Pump Station #2: Pembroke Well Field;
- Pump Station #3: Penacook Street,
- Pump Station #4: Hutchin Street (at the plant),
- Pump Station #5: Broad Cove Road (at the Contoocook River)
- Pump Station #6: Mountain Road.

Phase II of the current 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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #372-Pump Station Improvements

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	G.O. Bonds	0	250,000	50,000	200,000	350,000	0	0	0	0	1,200,000	2,050,000
	Total	0	250,000	50,000	200,000	350,000	0	0	0	0	1,200,000	2,050,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Water G.O. Bonds	250,000	Replace Pump Station #5 Generator (Broad Cove Road).
		<u>\$250,000</u>	2015 Subtotal
2016	Water G.O. Bonds	50,000	Pump Station # 6 Mountain Road interim motor control center and pump upgrades.
		<u>\$50,000</u>	2016 Subtotal
2017	Water G.O. Bonds	200,000	Penacook pump station motor and pump refurbishment, as well as motor control center and variable speed drive upgrades.
		<u>\$200,000</u>	2017 Subtotal
2018	Water G.O. Bonds	350,000	Rebuild Mountain Road pump station. Structural, architectural, and site improvements.
		<u>\$350,000</u>	2018 Subtotal
2023	Water G.O. Bonds	1,200,000	Phase III of the Master Plan recommends a boosted pressure zone north east of Portsmouth Street.
		<u>\$1,200,000</u>	2023 Subtotal
	TOTAL	<u>\$2,050,000</u>	

**2014-2023
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 required 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	0	0	25,000	0	0	0	0	0	0	25,000	50,000
	Total	0	0	25,000	0	0	0	0	0	0	25,000	50,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Capital Transfer	25,000	Systematic replacement of fire department boats.
		\$25,000	2016 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	FIRE	#375-Fire Department Boats		
2023	General Capital Transfer		25,000	Systematic replacement of fire department boats
			\$25,000	2023 Subtotal
	TOTAL		\$50,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #376-Hose Replacement

I. PROJECT TYPE: Public Safety

II. LOCATION: All Engines

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: Systematic replacement of fire hose carried on all pumper trucks.

SERVICE IMPACT: Periodically, some of the existing hose inventory fails its annual service testing. This results in having to remove and replace hose from reserve apparatus.

IMPACT IF NOT FUNDED: Inability to equip fire engines with required hose which 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	0	15,000	0	17,500	0	17,500	0	20,000	0	20,000	90,000
	Total	0	15,000	0	17,500	0	17,500	0	20,000	0	20,000	90,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Transfer	15,000	Systematic replacement of fire hose.
		\$15,000	2015 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	FIRE	#376-Hose Replacement		
2017	General	Capital Transfer	17,500	Systematic replacement of fire hose.
			\$17,500	2017 Subtotal
2019	General	Capital Transfer	17,500	Systematic replacement of fire hose.
			\$17,500	2019 Subtotal
2021	General	Capital Transfer	20,000	Systematic replacement of fire hose.
			\$20,000	2021 Subtotal
2023	General	Capital Transfer	20,000	Systematic replacement of fire hose.
			\$20,000	2023 Subtotal
	TOTAL		\$90,000	

**2014-2023
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: Pedestrian safety improvements implemented in a comprehensive manner throughout Concord to improve the livability of our neighborhoods, reduce traffic speeds and enhance pedestrian and vehicular safety has always been a priority with City Council. With its continued commitment to the Greater Concord Coalition for Safe Communities and the Safe Routes to School Program, this project is specifically intended to coordinate and promote safety improvement projects throughout the community.

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. Growing pressure to increase 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Other	State	0	0	100,000	0	0	0	0	0	0	0	100,000
General	Donations	0	0	0	0	25,000	0	0	0	0	0	25,000
General	G.O. Bonds	0	0	0	0	40,000	0	0	0	0	0	40,000
	Total	0	0	100,000	0	65,000	0	0	0	0	0	165,000

**2014-2023
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
2016	Other State	100,000	Final design and construction of pedestrian safety improvements in conjunction with a project funded by an NHDOT Safe Routes Grant. This project provides sidewalk and crosswalk improvements as well as additional safety features at targeted safe routes locations.
		\$100,000	2016 Subtotal
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
		\$65,000	2018 Subtotal
	TOTAL	\$165,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #381-Old Landfill Reuse

I. PROJECT TYPE: Parks and Open Space

II. LOCATION: City wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED	<input type="checkbox"/> New	<input checked="" type="checkbox"/> M Safety	<input type="checkbox"/> N/A Facility Cond.	<input type="checkbox"/> N/A Productivity	
SERVED:	<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 shall include the evaluation of the Old Suncook Road Landfill as a neighborhood park. This effort shall include creation of a master park plan for Old Suncook Road within the context of a neighborhood public participation program and within the limitations of the site due to the environmental conditions at the property. Said park plan shall be incorporated into the design and construction of future improvements for the Old Suncook Road land fill.

In addition to exploring the potential recreational uses of the Old Suncook Road Landfill, this project shall, per City Council direction during the budget process also examine the suitability of public and privately owned lands within Recreational Impact Fee District 4 for future park development.

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:

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #381-Old Landfill Reuse

V. PROJECT USEFUL LIFE (In Years): 30 Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	75,000	100,000	6,700,000	0	0	0	0	0	6,875,000
General	Impact Fees Rec Dist 4	0	25,000	0	0	0	0	0	0	0	0	25,000
	Total	0	25,000	75,000	100,000	6,700,000	0	0	0	0	0	6,900,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Impact Fees Rec Dist 4	25,000	Old Suncook Road Landfill. Recreational Reuse Master Plan Phase II. Community Outreach.
		\$25,000	2015 Subtotal
2016	General G.O. Bonds	75,000	Old Suncook Road Landfill Conceptual Closure and Preliminary Gas Collection Plan. (CDD)
		\$75,000	2016 Subtotal
2017	General G.O. Bonds	100,000	Old Suncook Road Landfill Recreational Reuse Final plans. (CDD)
		\$100,000	2017 Subtotal
2018	General G.O. Bonds	6,700,000	Construction of Old Suncook Road Landfill cap and associated recreational improvements. (construction April 2018, 2 year project) Landfill cap estimated at \$5.7 Million. Recreational Improvements estimated at \$1 Million. Figures are tentative estimates pending final design.
		\$6,700,000	2018 Subtotal
	TOTAL	\$6,900,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #383-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"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
SERVED:	<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	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 building, 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:

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #383-Airport Terminal Building

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

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Airport	G.O. Bonds	0	0	0	0	0	0	0	0	175,000	0	175,000
Other	Federal	0	0	0	0	0	0	0	0	3,150,000	0	3,150,000
Other	State	0	0	0	0	0	0	0	0	175,000	0	175,000
	Total	0	0	0	0	0	0	0	0	3,500,000	0	3,500,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2022	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>	2022 Subtotal
	TOTAL	<u>\$3,500,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #403-Vehicle Replacement

I. PROJECT TYPE: Parking

II. LOCATION: Replacement Vehicle for Parking Enforcement and Meter Tech

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"/> 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			

City Master Pl.
 Motor Vehicle Equipment

DESCRIPTION: Replacement of Parking Division vehicles.

SERVICE IMPACT: 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.

IMPACT IF NOT FUNDED: Unreliable vehicles make enforcement and maintenance operations less efficient, thereby increasing costs to the Parking Fund while simultaneously inhibiting the ability to maximize revenues through enforcement actions.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Parking	Capital Outlay	30,000	0	0	0	0	0	40,000	0	0	0	70,000
	Total	30,000	0	0	0	0	0	40,000	0	0	0	70,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Parking Capital Outlay	30,000	Replacement of 2001 Parking Technician Truck. Vehicle might be retained and used for snow removal for certain municipal parking lots in order to reduce expenses associated with contracted snow plowing / removal services.

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	POLICE - OPERATIONS	#403-Vehicle Replacement	
		<u>\$30,000</u>	2014 Subtotal
2020	Parking Capital Outlay	40,000	Replace Parking Jeep.
		<u>\$40,000</u>	2020 Subtotal
	TOTAL	<u>\$70,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #407-Roof Rehabilitation on City Buildings

I. PROJECT TYPE: Public Buildings

II. LOCATION: Police Department, Main Library, City Hall, Annex, Penacook Library, Heights Community Center, White Park 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 Public Facilities
 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	400,000
	Total	0	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	400,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #407-Roof Rehabilitation on City Buildings

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.
		\$50,000	2016 Subtotal
2017	General G.O. Bonds	50,000	Placeholder for roof maintenance / replacement. Location to be determined.
		\$50,000	2017 Subtotal
2018	General G.O. Bonds	50,000	Placeholder for roof maintenance / replacement. Location to be determined.
		\$50,000	2018 Subtotal
2019	General G.O. Bonds	50,000	Placeholder for roof maintenance / replacement. Location to be determined.
		\$50,000	2019 Subtotal
2020	General G.O. Bonds	50,000	Placeholder for roof maintenance / replacement. Location to be determined.
		\$50,000	2020 Subtotal
2021	General G.O. Bonds	50,000	Placeholder for roof maintenance / replacement. Location to be determined.
		\$50,000	2021 Subtotal
2022	General G.O. Bonds	50,000	Placeholder for roof maintenance / replacement. Location to be determined.
		\$50,000	2022 Subtotal
2023	General G.O. Bonds	50,000	Placeholder for roof maintenance / replacement. Location to be determined.
		\$50,000	2023 Subtotal
	TOTAL	\$400,000	

**2014-2023
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:	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Safety	<input checked="" type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
	<input type="checkbox"/> Replace	<input checked="" type="checkbox"/> Mandates	<input checked="" 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 checked="" type="checkbox"/> Timeliness	<input type="checkbox"/> Public Facilities
	<input type="checkbox"/> 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.

Project is contingent upon the new "City-wide Multigenerational Community Center Project" not moving forward. See CIP 443 for more detail.

SERVICE IMPACT: Potential loss of available rental of facility due to noncompliant means of egress.

IMPACT IF NOT FUNDED: Reduced revenues from lost rentals as well as increased liability to the City in the event of a fire or other emergency at the facility.

IV PREVIOUS FISCAL YEAR AUTHORIZED: PREVIOUS AMOUNT: 0

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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #408-East Concord Community Center

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	75,000	0	0	0	0	0	75,000
General	Capital Transfer	0	20,500	0	0	0	0	0	0	0	0	20,500
	Total	0	20,500	0	0	75,000	0	0	0	0	0	95,500

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	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	7,500	Sprinkler deficiencies discovered in annual inspection. Subject to CIP 443 City-wide Multi-generational Community Center project.
	General Capital Transfer	5,000	Test switch for the fire alarm system / daycare user. Subject to CIP 443 City-wide Multi-generational Community Center project.
		\$20,500	2015 Subtotal
2018	General G.O. Bonds	45,000	Refurbishment / replacement of fire escape system. Subject to CIP 443 City-wide Multi-generational Community Center project.
	General G.O. Bonds	30,000	Paint interior, refresh carpet and tile floors. Subject to CIP 443 City-wide Multi-generational Community Center project.
		\$75,000	2018 Subtotal
	TOTAL	\$95,500	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #410-TV Video Inspection COBRA Unit

I. PROJECT TYPE: Sewer Collection

II. LOCATION:

III. PROJECT OBJECTIVES AND BACKGROUND

NEED New N/A Safety M Facility Cond. M Productivity
 SERVED: Replace L Mandates M Service Def. N/A Tax Base Exp. N/A 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: 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: The unit is reaching it's useful life. This advanced design of the video interface will now allow users to quickly access videos on CD/DVD. This addition will make the unit more efficient and the data more accessible to other City departments. The new equipment will tie into the GIS System thereby electronically linking a specific video to a particular pipe. This change will also permit the equipment to be used to its full potential.

IMPACT IF NOT FUNDED: There are storage issues with VHS tapes and difficulty in locating the information needed on the tapes in a timely manner. The tapes are not easily accessible for use by other City departments. Copying and dubbing tapes require a television set and two VCRs as opposed to simply using the computer. The shelf life of VHS tapes is shorter than a CD/DVD. Without this change the equipment will not be used to its full potential.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Sewer	Capital Transfer	0	0	0	0	0	15,000	0	0	0	20,000	35,000
Sewer	G.O. Bonds	80,000	0	0	0	0	0	80,000	0	0	0	160,000
	Total	80,000	0	0	0	0	15,000	80,000	0	0	20,000	195,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #410-TV Video Inspection COBRA Unit

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Sewer G.O. Bonds	80,000	Replace mainline and service line inspection camera, hardware and software.
		\$80,000	2014 Subtotal
2019	Sewer Capital Transfer	15,000	Replace lateral service line inspection camera, hardware and software.
		\$15,000	2019 Subtotal
2020	Sewer G.O. Bonds	80,000	Replace mainline and service line inspection camera, hardware and software.
		\$80,000	2020 Subtotal
2023	Sewer Capital Transfer	20,000	Replace lateral service line inspection camera, hardware and software.
		\$20,000	2023 Subtotal
	TOTAL	\$195,000	

**2014-2023
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: This project entails implementation of the current Solid Waste Master Plan as well as completion of a study in order to develop and analyze funding options in anticipation of when tipping fees are next expected to increase at the termination of the recently extended Wheelabrator contract.

SERVICE IMPACT: This project will develop funding options for residential solid waste collection and disposal in order to mitigate the impact on the property tax rate which may result from new tipping fees to be established as part of new contract with Wheelabrator.

IMPACT IF NOT FUNDED: Planning will continue using in-house staff with guidance from the Solid Waste Advisory Committee.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Solid Waste	Capital Transfer	0	0	0	0	25,000	0	0	0	0	0	25,000
	Total	0	0	0	0	25,000	0	0	0	0	0	25,000

2014-2023
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. Project schedule subject to ongoing negotiations with Solid Waste Co-Op and Incinerator.
		\$25,000	2018 Subtotal
	TOTAL	\$25,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #432-Parking Garage Repair - Firehouse Block Garage

I. PROJECT TYPE: Parking

II. LOCATION: Firehouse Parking Garage

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 Parking
 Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Fund cost estimate for repairs to the Fire House Block Garage as recommended by the 2006 Condition Survey completed by DuBois King and Desman Engineers. The work includes: structural repairs, renovation of the stair towers, waterproofing, repair of expansion joints and drainage improvements. If funds are provided, this project will be done in conjunction with the Durgin Block Garage repairs. It is anticipated that the project will take two construction seasons.

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: Deteriorated stairways could become a safety hazard and liability. Water seepage will deteriorate concrete surface and reinforcing bar causing structural failure which 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Parking	Capital Close-out	35,000	0	0	0	0	0	0	0	0	0	35,000
Parking	Capital Transfer	0	50,000	0	0	0	0	0	60,000	0	0	110,000
	Total	35,000	50,000	0	0	0	0	0	60,000	0	0	145,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: POLICE - OPERATIONS #432-Parking Garage Repair - Firehouse Block Garage

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Parking Capital Close-out	35,000	Glass enclosure for stair towers.
		<u>\$35,000</u>	2014 Subtotal
2015	Parking Capital Transfer	50,000	Deck Membrane Maintenance.
		<u>\$50,000</u>	2015 Subtotal
2021	Parking Capital Transfer	60,000	Routine deck maintenance and repairs.
		<u>\$60,000</u>	2021 Subtotal
	TOTAL	<u>\$145,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #433-Parking Garage Repair - Durgin Block 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: Fund cost estimate for repairs to the Durgin Parking Garage as recommended by inspections completed in FY2012-2013 by the HL Turner Group. The work includes, but is not limited to, repairs to structural steel, waterproofing, repair of expansion joints, as well as drainage improvements. If funding is provided, the project will be done in conjunction with the Firehouse Garage repairs. It is anticipated that the project will take two construction seasons.

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: Water seepage will deteriorate concrete surface and reinforcing bar causing structural failure which 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 loss of parking supply for downtown merchants, thereby potentially having a negative effect on nearby businesses. Continued deterioration of the facility which 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Parking	G.O. Bonds	0	1,900,000	0	0	0	0	0	0	0	0	1,900,000
Parking	Capital Transfer	0	0	0	0	0	0	0	60,000	0	0	60,000
	Total	0	1,900,000	0	0	0	0	0	60,000	0	0	1,960,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #433-Parking Garage Repair - Durgin Block Garage

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Parking G.O. Bonds	1,900,000	Repairs to structural steel and concrete deck, including membrane replacement.
		<u>\$1,900,000</u>	2015 Subtotal
2021	Parking Capital Transfer	60,000	Routine deck maintenance and repairs.
		<u>\$60,000</u>	2021 Subtotal
	TOTAL	<u>\$1,960,000</u>	

**2014-2023
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	<input checked="" type="checkbox"/> New	<input type="checkbox" value="M"/> Safety	<input type="checkbox" value="N/A"/> Facility Cond.	<input type="checkbox" value="N/A"/> Productivity	
SERVED:	<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 type="checkbox"/> Rebuild	<input type="checkbox" value="N/A"/> O + M Costs	<input type="checkbox" value="H"/> Council Goals	<input type="checkbox" value="L"/> Timeliness	Targeted Neighborhoods
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

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: 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	0	25,000	0	0	0	25,000	0	0	25,000	0	75,000
	Total	0	25,000	0	0	0	25,000	0	0	25,000	0	75,000

**2014-2023
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
2015	General Capital Transfer	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	2015 Subtotal
2019	General Capital Transfer	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 Capital Transfer	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	\$75,000	

**2014-2023
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 SERVED:	<input type="checkbox"/> New	<input type="text" value="N/A"/> Safety	<input type="text" value="H"/> 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="L"/> 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="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.

Dubbed the "Heights Community Center Study", this ambitious study effort included numerous public input sessions and surveys aimed to best determine the needs of City residents. This planning effort ultimately recommended the development of a new 32,700 SF state-of-the-art facility, which would feature new gymnasium and locker room spaces, multipurpose spaces (community meeting rooms, conference and kitchen space), facilities for youth and teen programs, learning / technology areas, as well as facilities for various arts and culture programs. The project was also envisioned to feature construction of a 138 space parking lot to augment existing parking at Keach Park. At the time, the estimated construction cost of the project is \$11 million (2004 dollars, excluding design). The facility would have the ability to serve over 900 occupants simultaneously. Following the completion of this Study, in August 2004 the City acquired a residence at #28 Canterbury Road to provide land to help site a new Heights Community Center for the sum of \$290,000.

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 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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CITY MANAGER /OPERATION #443-City-Wide Community Center
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.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	720,000	8,900,000	0	0	0	0	0	0	0	9,620,000
General	Impact Fees Rec Dist 1	5,000	0	0	0	0	0	0	0	0	0	5,000
General	Impact Fees Rec Dist 2	50,107	0	0	0	0	0	0	0	0	0	50,107
General	Impact Fees Rec Dist 3	30,000	0	0	0	0	0	0	0	0	0	30,000
General	Impact Fees Rec Dist 4	44,666	0	0	0	0	0	0	0	0	0	44,666
Other	Federal	0	0	475,000	0	0	0	0	0	0	0	475,000
General	Donations	0	0	1,400,000	0	0	0	0	0	0	0	1,400,000
	Total	129,773	720,000	10,775,000	0	0	0	0	0	0	0	11,624,773

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General Impact Fees Rec Dist 2	50,107	Advance building and site plan concepts completed as part of January 2011 Feasibility Study to 15% drawings. Effort shall include coordination with stakeholders & general public, as well as creation of graphics for fundraising efforts. Shall also include update of project budget.

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CITY MANAGER /OPERATION	#443-City-Wide Community Center	
	General Impact Fees Rec Dist 4	44,666	Impact Fee District 4 Share.
	General Impact Fees Rec Dist 3	30,000	Impact Fee District 3 Share
	General Impact Fees Rec Dist 1	5,000	Impact Fee District 1 Share.
		\$129,773	2014 Subtotal
2015	General G.O. Bonds	720,000	Final design of a new City Wide Community Center, including bid specifications and construction administration.
		\$720,000	2015 Subtotal
2016	General G.O. Bonds	8,900,000	Construction - GO Bond Share
	General Donations	1,400,000	Construction - Donation Share. Potentially funded through the NH Community Development Finance Authority's "CDIP" Tax Credit Program.
	Other Federal	475,000	Construction - Grant Share. Potential Community Development Block Grant.
		\$10,775,000	2016 Subtotal
	TOTAL	\$11,624,773	

**2014-2023
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 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 Old Turnpike Road Landfill was closed in 1992. As a part of the closure a methane gas collection and extraction system was installed.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Solid Waste	Capital Transfer	0	0	0	20,000	0	0	0	0	0	0	20,000
	Total	0	0	0	20,000	0	0	0	0	0	0	20,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	Solid Waste Capital Transfer	20,000	Placeholder for rehabilitation of blower system and wells. Costs to be refined as project approaches.
		\$20,000	2017 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SOLID WASTE	#447-Landfill Condensation Remediation
TOTAL		<u>\$20,000</u>

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	Capital Outlay	54,200	56,000	57,000	61,000	63,000	63,000	63,000	65,000	68,000	72,000	622,200
	Total	54,200	56,000	57,000	61,000	63,000	63,000	63,000	65,000	68,000	72,000	622,200

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Water Capital Outlay	29,000	Hydrant replacement
	Water Capital Outlay	25,200	Valve replacement.
		<u>\$54,200</u>	2014 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-HIGHWAY / UTILITIES #448-Hydrant and Valve Replacement Program

2015	Water Capital Outlay	30,000	Hydrant replacement
	Water Capital Outlay	26,000	Valve replacement.
		\$56,000	2015 Subtotal
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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#448-Hydrant and Valve Replacement Program	
2022	Water Capital Outlay	35,000	Hydrant replacement
	Water Capital Outlay	33,000	Valve replacement
		<hr/>	
		\$68,000	2022 Subtotal
2023	Water Capital Outlay	37,000	Hydrant replacement
	Water Capital Outlay	35,000	Valve replacement
		<hr/>	
		\$72,000	2023 Subtotal
		<hr/>	
	TOTAL	\$622,200	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	G.O. Bonds	0	0	0	0	0	0	0	50,000	0	0	50,000
Water	Capital Transfer	0	0	0	30,000	0	0	0	0	0	0	30,000
	Total	0	0	0	30,000	0	0	0	50,000	0	0	80,000

**2014-2023
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 Capital Transfer	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>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #460-Downtown Complete Streets Improvement Project

I. PROJECT TYPE: Sidewalks and Streetscapes

II. LOCATION: Downtown Concord (between Centre and Storrs/Perley Streets)

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	Economic Development
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: In FY2006, the City and Concord 20/20 Program provided Main Street Concord, Inc., now known as Intown Concord, with \$40,000 to develop a streetscape improvement plan for the core of Downtown. This plan was published in October 2006 and presented to Council in January 2007. The plan is focused on implementing improvements which will improve safety for motorists and pedestrians, as well as beautify downtown. The plan identifies moderate scale improvements which do not require significant utility relocations or a major overhaul of downtown traffic flow.

In late FY2010, Concord 20/20 and Main Street Concord embarked on the "Rethinking Main Street Project". The purpose of that initiative is to update the 2006 Streetscape Plan with a focus on the downtown central business district between Centre Street and Perley Street. It is anticipated that alternative concepts for streetscape and traffic improvements will be developed by that undertaking. In late 2010, City Council accepted the planning report and authorized the City Manager to apply for grants to fund portions of the project.

In June 2012, City Council was notified of a \$4.71 million TIGER grant award for the project. Because of this, the project was expedited to FY2014 for design and construction.

SERVICE IMPACT: As a complete street, the project will improve walkability and aesthetic appearance of downtown. Sidewalks which are not ADA compliant will be improved and brought into compliance. Minor impacts for downtown snow removal might occur.

IMPACT IF NOT FUNDED: Property owners in downtown will not be encouraged to invest in their properties. Major pedestrian safety issues will persist. Existing ADA sidewalk deficiencies will continue to persist.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 06 PREVIOUS AMOUNT: 20,000

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

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #460-Downtown Complete Streets Improvement Project

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Donations	1,570,000*	0	0	0	0	0	0	0	0	0	1,570,000
General	G.O. Bonds	1,285,000	0	0	0	0	0	0	0	0	0	1,285,000
Other	Federal	4,281,000	0	0	0	0	0	0	0	0	0	4,281,000
Other	Tax Increment Financing	2,500,000*	0	0	0	0	0	0	0	0	0	2,500,000
	Total	9,636,000	0	0	0	0	0	0	0	0	0	9,636,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Other Federal	4,281,000	Construction of roadway and streetscape improvements along Main Street from Storrs Street (north) to Storrs Street (south) including the construction of special downtown crosswalks, streetscape features, heated sidewalks, ornamental lighting, signage and street furniture.
	Other Tax Increment Financing	2,500,000	Installation of underground utilities on South Main Street between the Concord Food Co-Op and Thompson Street. Project to be financed by a General Obligation Bond supported by the Sears Block TIF District. Project is being undertaken in conjunction with the Downtown Complete Streets initiative in order facilitate redevelopment of the NH Employment Security property at 32-34 South Main Street.
	General Donations	1,570,000	Construction of roadway and streetscape improvements along Main Street from Storrs Street (north) to Storrs Street (south) including the construction of special downtown crosswalks, streetscape features, heated sidewalks, ornamental lighting, signage and street furniture. This anticipates \$1.12 million in tax credits from the NHCDFR and \$450,000 financed by a Special Assessment District. Note - no portion of the private share was paid towards design, thus full \$1.57 million is owed to project.
	General G.O. Bonds	1,285,000	Construction of roadway and streetscape improvements along Main Street from Storrs Street (north) to Storrs Street (south) including the construction of special downtown crosswalks, streetscape features, heated sidewalks, ornamental lighting, signage and street furniture. City Share was \$1.57 million; however this figure accounts for the City's share of design (\$286,000). Figure rounded to nearest \$5,000 for purposes of bond issuance.
		\$9,636,000	2014 Subtotal
	TOTAL	\$9,636,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #466-Penacook WWTP Renovations

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 WWTP 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Sewer	G.O. Bonds	450,000	150,000	650,000	360,000	0	85,000	450,000	0	50,000	500,000	2,695,000
Sewer	Capital Transfer	0	0	0	0	25,000	25,000	0	0	0	0	50,000
	Total	450,000	150,000	650,000	360,000	25,000	110,000	450,000	0	50,000	500,000	2,745,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SEWER #466-Penacook WWTP Renovations

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Sewer G.O. Bonds	325,000	Building/structural improvements - phase 2 of concrete repair project initiated in FY13. This phase includes 2nd SBR and chlorine contact tanks.
	Sewer G.O. Bonds	60,000	Equipment/process improvements - EQ tank drain valve replacement.
	Sewer G.O. Bonds	40,000	Site improvements - crack filling and sealing of roadways and sidewalks. Includes allowance for necessary pavement repairs.
	Sewer G.O. Bonds	25,000	Building systems improvements - electrical system arc flash hazard analysis.
		<u>\$450,000</u>	2014 Subtotal
2015	Sewer G.O. Bonds	100,000	Equipment/process improvements - design engineering for grit removal system.
	Sewer G.O. Bonds	50,000	Building systems improvements - underground storage tank replacement.
		<u>\$150,000</u>	2015 Subtotal
2016	Sewer G.O. Bonds	650,000	Equipment/process improvements - construction of grit removal system designed in FY15, together with project oversight and inspections.
		<u>\$650,000</u>	2016 Subtotal
2017	Sewer G.O. Bonds	250,000	Building/structure improvements - roof replacement.
	Sewer G.O. Bonds	110,000	Equipment/process improvements - sludge transfer pumps and drives.
		<u>\$360,000</u>	2017 Subtotal
2018	Sewer Capital Transfer	25,000	Equipment/process improvements - SBR motivator pump rebuild.
		<u>\$25,000</u>	2018 Subtotal
2019	Sewer G.O. Bonds	50,000	Site/security improvements - allowance for necessary pavement repairs.
	Sewer G.O. Bonds	35,000	Equipment/process improvements - EQ tank drain pump.
	Sewer Capital Transfer	25,000	Equipment/process improvements - SBR motivator pump rebuild.
		<u>\$110,000</u>	2019 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-SEWER	#466-Penacook WWTP Renovations		
2020	Sewer G.O. Bonds	250,000		Building systems improvements - electrical switchgear upgrade.
	Sewer G.O. Bonds	200,000		Equipment/process improvements - EQ tank algae control improvements; SCADA system improvements.
		\$450,000		2020 Subtotal
2022	Sewer G.O. Bonds	50,000		Equipment/process improvements - plant water pump system replacement.
		\$50,000		2022 Subtotal
2023	Sewer G.O. Bonds	500,000		Building/structure improvements - concrete/structural repairs.
		\$500,000		2023 Subtotal
	TOTAL	\$2,745,000		

**2014-2023
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	<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: 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 required by Federal Aviation Administration (FAA). Said assessment must be completed prior to 2015 per FAA regulations.

SERVICE IMPACT: Reconstruction 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)

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Airport	Capital Transfer	0	25,000	0	0	0	0	0	0	0	0	25,000
Other	State	0	25,000	125,000	100,000	0	0	0	0	0	0	250,000
Airport	G.O. Bonds	0	0	125,000	100,000	0	0	0	0	0	0	225,000
Other	Federal	0	450,000	2,250,000	1,800,000	0	0	0	0	0	0	4,500,000
	Total	0	500,000	2,500,000	2,000,000	0	0	0	0	0	0	5,000,000

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	
		\$500,000	
2016	Other Federal	2,250,000	Rehabilitate and light Taxiway A-south. Federal portion.
	Airport G.O. Bonds	125,000	
	Other State	125,000	
		\$2,500,000	
2017	Other Federal	1,800,000	Rehabilitate Taxiway A North and existing itinerant apron. Federal portion.
	Airport G.O. Bonds	100,000	
	Other State	100,000	
		\$2,000,000	
TOTAL		\$5,000,000	

**2014-2023
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"/> 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	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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Airport	Capital Transfer	9,631	0	0	0	0	0	0	0	27,778	0	37,409
Other	Federal	0	0	0	0	0	0	0	0	500,000	0	500,000
Other	State	0	0	0	0	0	0	0	0	27,778	0	27,778
	Total	9,631	0	0	0	0	0	0	0	555,556	0	565,187

**2014-2023
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
2014	Airport Capital Transfer	9,631	Install new pump for self serve Avgas, replace motor, seals and bearings for Jet and Avgas.
		\$9,631	2014 Subtotal
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.
		\$555,556	2022 Subtotal
	TOTAL	\$565,187	

**2014-2023
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 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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	0	0	25,000	25,000	0	10,000	0	25,000	0	60,000	145,000
	Total	0	0	25,000	25,000	0	10,000	0	25,000	0	60,000	145,000

**2014-2023
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	Main Floor Self-check Unit. Life expectancy of the Main Floor self-check unit purchased in 2006 is anticipated to be ten (10) years. Replacement of the unit is therefore expected to be needed in FY 2016, when it is anticipated that the vendor will no longer maintain the library's current model.
		\$25,000	2016 Subtotal
2017	General Capital Transfer	25,000	Library Automation Server replacement. Vendor information: "The proposed hardware configuration can be expected to support the Millennium system (in its current configuration) for 3 years. For optimum performance, Innovative recommends a server upgrade every three years." The server was replaced in FY 2013, so this will be a replacement cycle of four (4) years.
		\$25,000	2017 Subtotal
2019	General Capital Transfer	10,000	Microfilm Reader/Printer Replacement--1 workstation.
		\$10,000	2019 Subtotal
2021	General Capital Transfer	25,000	Library Automation Server replacement. Vendor information: "The proposed hardware configuration can be expected to support the Millennium system (in its current configuration) for 3 years. For optimum performance, Innovative recommends a server upgrade every three years." If server is replaced in FY 2017, this will be a replacement cycle of four (4) years.
		\$25,000	2021 Subtotal
2023	General Capital Transfer	25,000	Main Floor Service Desk. Replacement service desk on Main Floor to enhance public service and to provide ergonomic working conditions for library staff.
	General Capital Transfer	25,000	Children's Room Self-check Unit. Life expectancy of the Children's Room self-check unit purchased in 2011 is anticipated to be ten (10) years. Replacement of the unit is therefore expected to be needed in FY 2021, when it is anticipated that the vendor will no longer maintain the library's current model.
	General Capital Transfer	10,000	eCommerce Kiosk & Software. To facilitate the payment of fines and fees by credit card with our library automation system onsite or remotely.
		\$60,000	2023 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	LIBRARY	#477-Library Equipment Replacement	
	TOTAL		<u>\$145,000</u>

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #478-North Pembroke Road Bridge (NHDOT 183/156) - Replacement/Rehabilitation

I. PROJECT TYPE: Bridges

II. LOCATION: North Pembroke Road @ 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: Replace the existing substandard bridge on North Pembroke Road over the Soucook River. Continued damage and fatigue to the concrete bridge deck has 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 maintenance 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.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Donations	0	0	0	114,150	0	0	0	0	0	0	114,150
General	Highway Reserve	0	0	0	38,050	0	0	0	0	0	0	38,050
Other	State	0	0	0	608,800	0	0	0	0	0	0	608,800
	Total	0	0	0	761,000	0	0	0	0	0	0	761,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #478-North Pembroke Road Bridge (NH DOT 183/156) - Replacement/Rehabilitation

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	

**2014-2023
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	<input checked="" type="checkbox"/> New	<input type="checkbox"/> L Safety	<input type="checkbox"/> H Facility Cond.	<input type="checkbox"/> H Productivity	
SERVED:	<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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #479-Storm Water Enterprise Mechanism

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	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
2016	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	2016 Subtotal
	TOTAL	\$50,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #482-Asset Management

I. PROJECT TYPE: Information Technology & Communications

II. LOCATION: Various City locations

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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Water	Capital Transfer	0	0	0	20,000	0	0	0	0	0	0	20,000
Water	G.O. Bonds	0	0	0	0	0	90,000	0	0	0	0	90,000
	Total	0	0	0	20,000	0	90,000	0	0	0	0	110,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-WATER #482-Asset Management

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2017	Water Capital Transfer	20,000	Asset management: work will describe the steps and tasks associated with preparing an asset management strategy.
		\$20,000	2017 Subtotal
2019	Water G.O. Bonds	90,000	Asset Management. The integration of formal Asset management.
		\$90,000	2019 Subtotal
	TOTAL	\$110,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-SOLID WASTE #483-Transfer Station Modifications

I. PROJECT TYPE: Solid Waste Management

II. LOCATION: Old Turnpike Road Landfill Site

III. PROJECT OBJECTIVES AND BACKGROUND

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

DESCRIPTION: The Transfer Station on Old Turnpike Road was initially constructed as part of the landfill closure in 1990-1992. The facility has experienced several operational changes and several structural modifications since initial construction.

Pending the results of ongoing negotiations with the Incinerator and Regional Solid Waste Co-operative, funds may be needed to design and construct modifications to the existing transfer station to accommodate the City's solid waste needs.

SERVICE IMPACT: The limited life and usefulness of the aged structure would require additional staffing and longer hours of operation. The potential expiration of the contract with Wheelabrator will require the ability to handle and transfer greater volumes.

IMPACT IF NOT FUNDED: Limited options for waste disposal with subsequent increases in disposal fees.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Solid Waste	G.O. Bonds	750,000*	0	0	0	0	0	0	0	0	0	750,000
	Total	750,000	0	0	0	0	0	0	0	0	0	750,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: GS-SOLID WASTE #483-Transfer Station Modifications

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Solid Waste G.O. Bonds	750,000	Placeholder: Construct modifications to the existing transfer station on Old Turnpike Road as may be required due to ongoing negotiations with the Incinerator and Regional Solid Waste Co-operative.
		<u>\$750,000</u>	2014 Subtotal
	TOTAL	<u>\$750,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #484-Police Station Building Rehabilitation

I. PROJECT TYPE: Public Safety

II. LOCATION: Police Station, Green 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="L"/> Productivity	
<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="L"/> City Master Pl.
<input checked="" type="checkbox"/> Rebuild	<input type="checkbox" value="H"/> O + M Costs	<input type="checkbox" value="L"/> 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: 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	0	0	10,000	0	0	0	0	0	0	0	10,000
General	G.O. Bonds	0	550,000	0	0	0	0	0	0	0	0	550,000
	Total	0	550,000	10,000	0	0	0	0	0	0	0	560,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #484-Police Station Building Rehabilitation

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
2016	General Capital Transfer	10,000	Clean and refurbish duct work for operational efficiency.
		\$10,000	2016 Subtotal
	TOTAL	\$560,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #490-Microfilm Conversion to Digital Format

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. All CPD 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. A present, 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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #490-Microfilm Conversion to Digital Format

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	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
2015	General Capital Transfer	35,000	Scan microfilms to digital format.
		<u>\$35,000</u>	2015 Subtotal
	TOTAL	<u>\$35,000</u>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #492-Runway Protection Zones Runways 17/35 & 12/30 - Obstruction Removal

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 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 City's numerous grant contracts with the FAA and State of New Hampshire for major construction projects done over the years at the Airport 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 the 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Other	State	0	11,400	0	0	0	0	0	0	0	0	11,400
Airport	Capital Transfer	0	11,400	0	0	0	0	0	0	0	0	11,400
Other	Federal	0	205,200	0	0	0	0	0	0	0	0	205,200
	Total	0	228,000	0	0	0	0	0	0	0	0	228,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #492-Runway Protection Zones Runways 17/35 & 12/30 - 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	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	149,800	0	0	0	0	0	149,800
Other	State	0	0	0	0	599,200	0	0	0	0	0	599,200
	Total	0	0	0	0	749,000	0	0	0	0	0	749,000

2014-2023
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>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #500-South Fruit Street, Memorial Field Access Drive Signalized Intersection

I. PROJECT TYPE: Intersections

II. LOCATION: South Fruit Street at Memorial Field and State Office Complex intersection.

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 Intersection Improvement
 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	0	50,000	275,000	325,000
Other	State	0	0	0	0	0	0	0	0	50,000	150,000	200,000
	Total	0	0	0	0	0	0	0	0	100,000	425,000	525,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #500-South Fruit Street, Memorial Field Access Drive Signalized Intersection

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	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Impact Fees Traf Dist 2	0	0	90,000	0	0	0	0	0	0	0	90,000
Other	State	0	0	360,000	0	0	0	0	0	0	0	360,000
	Total	0	0	450,000	0	0	0	0	0	0	0	450,000

**2014-2023
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	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Other	Federal	35,000*	35,000	35,000	35,000	0	0	0	0	0	0	140,000
	Total	35,000	35,000	35,000	35,000	0	0	0	0	0	0	140,000

**2014-2023
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
2014	Other Federal	35,000	Historical / architectural surveys of City Villages and Neighborhoods, including historic and prehistoric archeological resources as funding is available.
		\$35,000	2014 Subtotal
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	\$140,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #507-Basin Street Brownfield Redevelopment Plan

I. PROJECT TYPE: Community Planning/Implementation

II. LOCATION: Basin and Hall Streets

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 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Other	Federal	0	0	175,000	0	0	0	0	0	0	0	175,000
	Total	0	0	175,000	0	0	0	0	0	0	0	175,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-COMMUNITY PLANNING #507-Basin Street Brownfield 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	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CITY MANAGER /OPERATION #508-Former Allied Leather Tannery Complex Redevelopment Project

I. PROJECT TYPE: Economic Development

II. LOCATION: #31-35 East Street, 15 Crescent Street, and 4 Crescent Street

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

DESCRIPTION: Project involves redevelopment of 2 sites which once comprised the former Allied Leather Tannery Complex. The first site, known as the Penacook Mill, is 3.64 acres in size and is located at #35 East Street. The second site is located at 4 Crescent Street and is 2.11 acres in size.

The City initiated this project in 2002 after it condemned the Penacook Mill. During the period of 2003 through 2006, the City incrementally acquired both site (which at the time were comprised of 6 different parcels). Since acquiring these sites, the City has invested significant resources to demolish structures, complete environmental cleanup, as well as other activities to prepare these properties for redevelopment.

In 2005, the City entered into a Development Agreement with a private Developer concerning the sale and renovation of the Penacook Mill into a mixed use project featuring 45 residential condominiums. However, the project later proved economically infeasible. This circumstance, coupled with the collapse of a portion of the mill building, resulted in that project being cancelled. Consequently, during FY 2009 the City appropriated \$375,000 to proceed with demolition of Penacook Mill, as well as other activities. Demolition was completed in June 2008.

During FY2010, the City entered into an Agreement with DEW Crescent Street Properties LLC of Williston, Vermont concerning sale and redevelopment of 4 Crescent Street and 35 East Street. Closing on the sale of #4 Crescent Street occurred on February 1, 2011 and construction began in April 2011 to develop the property into a new medical clinic for Concord Hospital's Penacook Family Physician's practice. To support this effort, in June 2010 the City created the Penacook Village Tax Increment Financing District and appropriated approximately \$1.09 million in funds to make infrastructure improvements to encourage redevelopment of the former Tannery sites and surrounding private property. Construction of the new 15,000SF medical office building and associated off site improvements was completed in November 2011.

In FY2012 the City secured \$600,000 in US EPA funding to complete cleanup of the remaining Tannery site at 27, 31, &35 Canal Street. This grant was matched with \$120,000 in City funds. Cleanup is set to be completed in FY 2014.

On April 26, 2012 the City acquired two additional parcels known as the former Amazon Realty Lots at 5 & 11 Canal Street, just west of the remaining Tannery site, for the purpose of developing a municipal parking lot and public park to support the Allied Leather Tannery Project.

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CITY MANAGER /OPERATION #508-Former Allied Leather Tannery Complex Redevelopment Project
 This CIP contemplates further expansion of the Penacook Village Tax Increment Finance District to support redevelopment of the remaining tannery site at #27, 31, & 35 Canal Street parcels once final environmental cleanup is completed in FY2014.

SERVICE IMPACT: Any additional City investment in the project will likely be in the form of grants or Tax Increment Financing (TIF). Ultimately, redevelopment of the site will create incremental demand for additional municipal services. Additional operating and maintenance costs associated with new infrastructure and increment service demand associated with new private development will be borne by the TIF District and/or General Fund.

IMPACT IF NOT FUNDED: The remaining portion of the Allied Leather Tannery Site shall continue to remain in a blighted condition which will in turn hinder redevelopment and revitalization of Penacook Village. The City will also not be able to recoup its significant investment in this project (either in the form of revenues from the sale of the property or additional tax revenues created by new development at the site).

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2002 PREVIOUS AMOUNT: 4,782,000

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

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Donations	265,000*	0	0	0	0	0	0	0	0	0	265,000
General	Econ. Dev. Reserve	25,000	0	0	0	0	0	0	0	0	0	25,000
Other	Tax Increment Financing	1,665,000*	0	0	0	0	0	0	0	0	0	1,665,000
Other	Trust	93,000*	0	0	0	0	0	0	0	0	0	93,000
	Total	2,048,000	0	0	0	0	0	0	0	0	0	2,048,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	Other Tax Increment Financing	1,665,000	Design and construction of public improvements to support redevelopment of the former Allied Leather Tannery site to be acquired by a private developer. Projects include construction of a new branch library for Penacook Village, as well as a riverfront park, rehabilitation and expansion of the Canal Street Municipal Parking Lot, as well as improvements to Canal and Crescent Streets.
	General Donations	265,000	Donations Share
	Other Trust	93,000	Trust Share of Project. Anticipated use of the Soderstrom Trust to finance construction of the new Penacook Branch Library.

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	CITY MANAGER /OPERATION	#508-Former Allied Leather Tannery Complex Redevelopment Project
	General Econ. Dev. Reserve	25,000 Conceptual site plan for new riverfront park, Canal Street Municipal Parking Lot, and Library; together with evaluation of 4,100SF building for renovation into potential Branch Library. Additional funding to supplement existing available funds previously appropriated by the City Council as part of CIP 508 and the Penacook Village TIF District.
		2014 Subtotal
		\$2,048,000
TOTAL		\$2,048,000

**2014-2023
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" value="H"/> Safety	<input type="checkbox" value="H"/> Facility Cond.	<input type="checkbox" value="H"/> 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="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="M"/> Timeliness	
	<input type="checkbox"/> 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 mad 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: Due to reductions in vehicle replacement due to the City's weakened fiscal condition, it is important to provide a funding source to help keep older vehicles and equipment in service until such time as they can be replaced in the future. If key pieces of equipment are placed out of commission due to lack of funding for repairs, the City would be unable to complete mission 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Outlay	20,000	25,000	26,000	27,000	28,000	29,000	30,000	32,000	35,000	38,000	290,000
	Total	20,000	25,000	26,000	27,000	28,000	29,000	30,000	32,000	35,000	38,000	290,000

**2014-2023
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
2014	General Capital Outlay	20,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$20,000</u>	2014 Subtotal
2015	General Capital Outlay	25,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$25,000</u>	2015 Subtotal
2016	General Capital Outlay	26,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$26,000</u>	2016 Subtotal
2017	General Capital Outlay	27,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$27,000</u>	2017 Subtotal
2018	General Capital Outlay	28,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$28,000</u>	2018 Subtotal
2019	General Capital Outlay	29,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$29,000</u>	2019 Subtotal
2020	General Capital Outlay	30,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$30,000</u>	2020 Subtotal
2021	General Capital Outlay	32,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$32,000</u>	2021 Subtotal
2022	General Capital Outlay	35,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		<u>\$35,000</u>	2022 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-HIGHWAY / UTILITIES	#512-Emergency Vehicle Repairs	
2023	General Capital Outlay	38,000	Miscellaneous emergency repairs to vehicles / equipment across the organization as required.
		\$38,000	2023 Subtotal
	TOTAL	\$290,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #514-Airport Terminal Building Parking Improvements

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

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Airport	G.O. Bonds	0	0	0	0	0	0	0	0	320,000	0	320,000
	Total	0	0	0	0	0	0	0	0	320,000	0	320,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #514-Airport Terminal Building Parking 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>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #515-Winter Recreational Opportunities at Beaver Meadow Golf Course

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"/> 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"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

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 afford the golf course enterprise fund an additional revenue stream.

IMPACT IF NOT FUNDED: Residents will have less winter recreational opportunities.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	40,000	0	0	0	0	0	0	0	40,000
General	Impact Fees Rec Dist 1	0	0	0	42,000	0	0	0	0	0	0	42,000
	Total	0	0	40,000	42,000	0	0	0	0	0	0	82,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: REC-GROUNDS #515-Winter Recreational Opportunities at Beaver Meadow Golf Course

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.
		\$40,000	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
		\$42,000	2017 Subtotal
	TOTAL	\$82,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #518-Bridge System Maintenance/Repairs

I. PROJECT TYPE: Bridges

II. LOCATION: City-wide

III. PROJECT OBJECTIVES AND BACKGROUND

NEED SERVED: New H Safety M Facility Cond. M Productivity
 Replace H Mandates H Service Def. N/A Tax Base Exp. L 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: This project is intended to provide funding for major maintenance or repair work on the City's bridges as mandated by NHDOT and FHWA, but not full reconstruction.

SERVICE IMPACT: Maintain structural integrity and repair of the City's bridge inventory with no change in regular maintenance costs.

IMPACT IF NOT FUNDED: Continued deterioration of major bridge 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Outlay	0	135,000	0	0	0	0	0	0	0	0	135,000
	Total	0	135,000	0	0	0	0	0	0	0	0	135,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: CD-ENGINEERING SERVICES #518-Bridge System Maintenance/Repairs

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General Capital Outlay	135,000	Loudon Road - Replacement of bridge expansion joints - east and west abutment approaches and scupper drains.
		<u>\$135,000</u>	2015 Subtotal
	TOTAL	<u>\$135,000</u>	

**2014-2023
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" value="H"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="H"/> Productivity	
<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="H"/> Council Goals	<input type="checkbox" value="H"/> Timeliness	
<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	415,000	0	0	0	0	0	0	0	415,000
General	Impact Fees Traf Dist 4	0	0	85,000	0	0	0	0	0	0	0	85,000
	Total	0	0	500,000	0	0	0	0	0	0	0	500,000

2014-2023
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
2016	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	2016 Subtotal
	TOTAL	\$500,000	

**2014-2023
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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #520-Intersection Safety Improvements

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	30,000	50,000	50,000	130,000
	Total	0	0	0	0	0	0	0	30,000	50,000	50,000	130,000

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.
		<u>\$30,000</u>	2021 Subtotal
2022	General G.O. Bonds	50,000	Reconstruction of the Graham Road / Snow Pond Intersection.
		<u>\$50,000</u>	2022 Subtotal
2023	General G.O. Bonds	50,000	Reconstruction of the Carter Hill / Lakeview Drive Intersection.
		<u>\$50,000</u>	2023 Subtotal
	TOTAL	<u>\$130,000</u>	

**2014-2023
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 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 Concord Police Department Firearms Range (outdoor) has not been improved or rehabilitated in approximately 10 years. The training house is in disrepair and requires a rebuild. 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.

SERVICE IMPACT: Very few dollars 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 qualify.

IMPACT IF NOT FUNDED: Firearms training and qualification is mandatory for police officers. If the range continues to deteriorate, it will be render unsafe 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)

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Close-out	10,000	0	0	0	0	0	0	0	0	0	10,000
General	G.O. Bonds	50,000	50,000	50,000	0	0	0	0	0	0	0	150,000
	Total	60,000	50,000	50,000	0	0	0	0	0	0	0	160,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #521-Police Firearms Range Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General Capital Close-out	10,000	Improvements to Fire Arms Range, including reconstruction of a retaining wall and berm rehabilitation.
	General G.O. Bonds	50,000	Phase I: Lead excavation / removal / disposal and berm reconstruction.
		\$60,000	2014 Subtotal
2015	General G.O. Bonds	50,000	Phase II: Driveway repairs and resurfacing of existing lot.
		\$50,000	2015 Subtotal
2016	General G.O. Bonds	50,000	Phase III: Repair of live fire house including awning construction.
		\$50,000	2016 Subtotal
	TOTAL	\$160,000	

**2014-2023
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 usefulness for purpose. A telephone communications system, one capable of both voice and data transmissions will be needed to be compatible with current technology.

SERVICE IMPACT: The City will continue to rely on its telephone system to be a reliable form of communications for emergency services, Citizens interaction, and alarm system.

IMPACT IF NOT FUNDED: If not funded we run the risk of not being able for citizens to contact city representatives. Departments will not be able to contact outside agencies.

IV PREVIOUS FISCAL YEAR AUTHORIZED: 2001

PREVIOUS AMOUNT:

V. PROJECT USEFUL LIFE (In Years):

15

Expected Bond Term (in Years)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: INFORMATION TECHNOLOGY #525-Telephone System Replacement Program

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Sewer	Capital Transfer	0	0	20,000	0	0	0	0	0	0	0	20,000
Parking	Capital Outlay	0	0	4,000	0	0	0	0	0	0	0	4,000
Golf	Capital Transfer	0	0	3,000	0	0	0	0	0	0	0	3,000
General	Capital Transfer	0	0	200,000	0	0	0	0	0	0	0	200,000
Arena	Capital Transfer	0	0	3,000	0	0	0	0	0	0	0	3,000
Water	Capital Transfer	0	0	20,000	0	0	0	0	0	0	0	20,000
Total		0	0	250,000	0	0	0	0	0	0	0	250,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General Capital Transfer	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), Consultation for Design and replacement of telephone system (\$50,000).
	Water Capital Transfer	20,000	Water share of above
	Sewer Capital Transfer	20,000	Sewer share of above
	Parking Capital Outlay	4,000	Parking share of the above.
	Golf Capital Transfer	3,000	Golf share of the above.
	Arena Capital Transfer	3,000	Arena Share of above
		\$250,000	2016 Subtotal
TOTAL		\$250,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: FIRE #527-Cardiac Monitor Replacement Program

I. PROJECT TYPE: Public Safety

II. LOCATION: All City Ambulances

III. PROJECT OBJECTIVES AND BACKGROUND

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

DESCRIPTION: The systematic replacement of the cardiac monitors used by the Fire Department.

SERVICE IMPACT: The existing cardiac monitors were purchased and placed in service in 2004. While they remain an effective tool in treating critically ill patients, technological advances and increased maintenance costs would compel their replacement. Monitors available today are equipped with several diagnostic tools that we otherwise augment with separate, expensive devices.

IMPACT IF NOT FUNDED: Continued use of existing monitors would yield higher maintenance costs and less than optimal patient care.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	350,000	0	0	0	0	0	0	0	0	0	350,000
	Total	350,000	0	0	0	0	0	0	0	0	0	350,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: FIRE #527-Cardiac Monitor Replacement Program

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General G.O. Bonds	350,000	This project would provide for the complete replacement of the cardiac monitors used by the Fire Department on their Ambulances. The existing monitors were placed in service in 2004.
		<u>\$350,000</u>	2014 Subtotal
	TOTAL	<u>\$350,000</u>	

**2014-2023
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 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: Replace worn out playground equipment in pocket parks throughout the City

SERVICE IMPACT: Repair costs will decline and player satisfaction will increase.

IMPACT IF NOT FUNDED: Existing condition will continue to decline, 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Outlay	0	0	0	0	0	0	0	0	15,000	0	15,000
General	G.O. Bonds	0	0	0	0	0	0	0	0	185,000	0	185,000
	Total	0	0	0	0	0	0	0	0	200,000	0	200,000

**2014-2023
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>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #529-Parking Garage Repair - Capital Commons 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: Scheduled maintenance will have nominal impact on parking use during work.

IMPACT IF NOT FUNDED: Deterioration of parking structure which could result in loss of revenue due to decreased usage and more expensive 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Parking	Capital Transfer	0	0	0	0	60,000	0	0	0	0	0	60,000
	Total	0	0	0	0	60,000	0	0	0	0	0	60,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: POLICE - OPERATIONS #529-Parking Garage Repair - Capital Commons Garage

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2018	Parking Capital Transfer	60,000	Programmed Parking Deck Membrane and Drainage System Maintenance.
		<u>\$60,000</u>	2018 Subtotal
	TOTAL	<u>\$60,000</u>	

**2014-2023
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 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="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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Golf	Capital Outlay	0	0	0	70,000	0	25,000	30,000	0	0	0	125,000
Golf	G.O. Bonds	15,000	35,000	25,000	0	0	0	95,000	0	0	0	170,000
	Total	15,000	35,000	25,000	70,000	0	25,000	125,000	0	0	0	295,000

**2014-2023
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
2014	Golf G.O. Bonds	15,000	Replace top dresser.
		\$15,000	2014 Subtotal
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	\$295,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #534-Tie Down Base Apron 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Other	Federal	0	90,000	675,000	1,077,000	0	0	0	0	0	0	1,842,000
Other	State	0	5,000	37,500	59,445	0	0	0	0	0	0	101,945
Airport	Capital Transfer	0	5,000	37,500	59,445	0	0	0	0	0	0	101,945
	Total	0	100,000	750,000	1,195,890	0	0	0	0	0	0	2,045,890

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #534-Tie Down Base Apron Rehabilitation and Expansion

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	Other Federal	90,000	Design reconstruction and expansion of tie-down area.
	Other State	5,000	State share.
	Airport Capital Transfer	5,000	City share.
		\$100,000	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	1,077,000	Reconstruct existing based airport tie down aprons. (Federal portion)
	Airport Capital Transfer	59,445	Reconstruct existing based airport tie down aprons. (City portion)
	Other State	59,445	Reconstruct existing based airport tie down aprons. (State portion)
		\$1,195,890	2017 Subtotal
	TOTAL	\$2,045,890	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #535-Emergency Facilities Repairs

I. PROJECT TYPE: Public Buildings

II. LOCATION: All City Facility Locations

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="M"/> 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="checkbox" value="N/A"/> 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	Public Facilities
	<input type="checkbox"/> 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 repair/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):

Expected Bond Term (in Years)

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Outlay	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
	Total	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General Capital Outlay	25,000	Emergency facility repairs.
		<u>\$25,000</u>	2014 Subtotal

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#535-Emergency Facilities Repairs
2015	General Capital Outlay	25,000
		Emergency facility repairs.
		\$25,000
		2015 Subtotal
2016	General Capital Outlay	25,000
		Emergency facility repairs.
		\$25,000
		2016 Subtotal
2017	General Capital Outlay	25,000
		Emergency facility repairs.
		\$25,000
		2017 Subtotal
2018	General Capital Outlay	25,000
		Emergency facility repairs.
		\$25,000
		2018 Subtotal
2019	General Capital Outlay	25,000
		Emergency facility repairs.
		\$25,000
		2019 Subtotal
2020	General Capital Outlay	25,000
		Emergency facility repairs.
		\$25,000
		2020 Subtotal
2021	General Capital Outlay	25,000
		Emergency facility repairs.
		\$25,000
		2021 Subtotal
2022	General Capital Outlay	25,000
		Emergency facility repairs.
		\$25,000
		2022 Subtotal
2023	General Capital Outlay	25,000
		Emergency facility repairs.
		\$25,000
		2023 Subtotal
	TOTAL	\$250,000

**2014-2023
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:

<input type="checkbox"/> New	<input type="checkbox" value="L"/> Safety	<input type="checkbox" value="M"/> Facility Cond.	<input type="checkbox" value="L"/> Productivity	
<input checked="" type="checkbox"/> Replace	<input type="checkbox" value="H"/> Mandates	<input type="checkbox" value="L"/> Service Def.	<input type="checkbox" value="L"/> 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="N/A"/> Council Goals	<input type="checkbox" value="N/A"/> Timeliness	Airport

Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis

DESCRIPTION: Replace hangers 1, 2, and 3 in accordance with the 2006 Airport Master Plan. These hangers were constructed in the early 1930's and have exhausted their useful life.

SERVICE IMPACT: The hanger infrastructure requires ongoing maintenance and the plumbing, electrical and heating systems are substandard and inefficient.

IMPACT IF NOT FUNDED: Lost opportunity to reduce ongoing operating and maintenance costs.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Airport	Capital Transfer	0	0	0	0	0	0	0	0	81,500	0	81,500
Other	Federal	0	0	0	0	0	0	0	0	1,477,000	0	1,477,000
Other	State	0	0	0	0	0	0	0	0	81,500	0	81,500
	Total	0	0	0	0	0	0	0	0	1,640,000	0	1,640,000

**2014-2023
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	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 Federal	477,000	Replace hangar 1 (Federal share).
	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.
	Other State	26,500	Replace hangar 1 (State Share).
	Airport Capital Transfer	26,500	Replace hanger 1 (City share).
		\$1,640,000	2022 Subtotal
	TOTAL	\$1,640,000	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Impact Fees Traf Dist 4	0	0	0	0	0	0	75,000	0	0	0	75,000
General	G.O. Bonds	0	0	0	0	0	0	0	425,000	0	0	425,000
	Total	0	0	0	0	0	0	75,000	425,000	0	0	500,000

2014-2023
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>	

**2014-2023
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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CD-ENGINEERING SERVICES #543-Merrimack River Greenway Trail Project

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
Other State		0	0	0	0	0	0	0	0	1,600,000	0	1,600,000
General Donations		0	0	0	0	0	0	0	0	400,000	0	400,000
	Total	0	0	0	0	0	0	0	0	2,000,000	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	

**2014-2023
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	Intersection Improvement
	<input type="checkbox"/> Total-Cost-of-Ownership (TCO) or Life-cycle Cost (LCC) analysis				

DESCRIPTION: Periodic maintenance and structural repairs of roundabout infrastructure at critical intersections.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Outlay	0	0	0	0	50,000	50,000	0	0	0	0	100,000
	Total	0	0	0	0	50,000	50,000	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

**2014-2023
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>	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #551-Library Buildings 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 damage could damage / ruin portion 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	0	20,000	10,000	0	0	0	0	0	20,000	35,000	85,000
General	G.O. Bonds	20,000	75,000	40,000	30,000	140,000	50,000	30,000	20,000	0	0	405,000
	Total	20,000	95,000	50,000	30,000	140,000	50,000	30,000	20,000	20,000	35,000	490,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: GS-PUBLIC PROPERTIES #551-Library Buildings Maintenance

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General G.O. Bonds	20,000	Repair sprinkler system deficiencies found in yearly inspection. (Green Street)
		\$20,000	2014 Subtotal
2015	General G.O. Bonds	75,000	Penacook Library handicap ramp replacement.
	General Capital Transfer	15,000	Refurbish front entry door and ornamental metal work. (Green Street)
	General Capital Transfer	5,000	Penacook Library fire escape repairs
		\$95,000	2015 Subtotal
2016	General G.O. Bonds	40,000	Roof repair / replacement (Green Street)
	General Capital Transfer	10,000	Penacook Library chimney repair
		\$50,000	2016 Subtotal
2017	General G.O. Bonds	30,000	HVAC improvements (Green Street)
		\$30,000	2017 Subtotal
2018	General G.O. Bonds	140,000	Bathroom renovations (\$40,000) (Green Street) Seal exterior granite (\$100,000) (Green Street)
		\$140,000	2018 Subtotal
2019	General G.O. Bonds	50,000	Doors & window replacement. (Green Street)
		\$50,000	2019 Subtotal
2020	General G.O. Bonds	30,000	Handicap accessibility improvements. (Green Street)
		\$30,000	2020 Subtotal
2021	General G.O. Bonds	20,000	Paint. (Green Street)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT:	GS-PUBLIC PROPERTIES	#551-Library Buildings Maintenance	
		\$20,000	2021 Subtotal
2022	General Capital Transfer	20,000	Flooring replacement / improvements. (Green Street)
		\$20,000	2022 Subtotal
2023	General Capital Transfer	35,000	General facility maintenance, paint, carpet, flooring. (Green Street)
		\$35,000	2023 Subtotal
	TOTAL	\$490,000	

**2014-2023
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 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: The Police Department seeks to replace its aging 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 after approximately 10 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	32,000	0	0	0	0	0	0	0	0	32,000
	Total	0	32,000	0	0	0	0	0	0	0	0	32,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: POLICE - OPERATIONS #555-Handgun Replacement

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	General G.O. Bonds	32,000	The Police Department seeks to replace its current standard issue handgun (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 @ 650.00 = \$58,500.00. 90 trade-in @ \$300.00 = \$27,000.00. Net Cost approximately \$31,500.00. (Current holsters should accommodate this newer model). Bond Costs: \$500
		\$32,000	2015 Subtotal
TOTAL		\$32,000	

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #557-Memorial Field Facilities Improvements

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: On-going maintenance and improvement projects. Previous projects completed include drainage, irrigation, safety, seating improvements for the baseball field, fence and tennis court improvements, as well as rehabilitation of softball field dugouts and football locker rooms. Other facility maintenance and improvements programmed include resurfacing the running track, maintaining the grandstands and parking areas.

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: Facility condition and maintainability will decline.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	0	0	30,000	0	0	0	0	0	0	0	30,000
General	Donations	0	0	50,000	0	0	0	0	0	0	0	50,000
General	G.O. Bonds	400,000	60,000	125,000	0	100,000	175,000	100,000	0	0	0	960,000
	Total	400,000	60,000	205,000	0	100,000	175,000	100,000	0	0	0	1,040,000

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #557-Memorial Field Facilities Improvements

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2014	General G.O. Bonds	200,000	Repair water problems at Press Box and construct a new concession stand.
	General G.O. Bonds	200,000	Reconstruction of existing parking lot, including limited drainage and access improvements.
		\$400,000	2014 Subtotal
2015	General G.O. Bonds	60,000	Electrical panel improvements.
		\$60,000	2015 Subtotal
2016	General G.O. Bonds	125,000	Sand blast and paint bleachers
	General Donations	50,000	Replace seating and walkway boards at the football stadium.
	General Capital Transfer	30,000	Reclaim and pave beneath selected bleacher sections.
		\$205,000	2016 Subtotal
2018	General G.O. Bonds	100,000	Resurface the track. Last resurfacing in 2008.
		\$100,000	2018 Subtotal
2019	General G.O. Bonds	175,000	Full depth reconstruction of 5 tennis courts
		\$175,000	2019 Subtotal
2020	General G.O. Bonds	100,000	Replace and upgrade bleachers
		\$100,000	2020 Subtotal
	TOTAL	\$1,040,000	

**2014-2023
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 Hall 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). Relocation of the Finance Department from the COMF back to the City Hall Campus is also a potential outcome of this project.

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.

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: CITY MANAGER /OPERATION #558-City Hall Campus Renovation / Expansion

Expanded staff parking will help meet ongoing parking needs and create additional on-street parking opportunities for the public.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	0	0	0	0	960,000	8,000,000	0	8,960,000
	Total	0	0	0	0	0	0	0	960,000	8,000,000	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	

**2014-2023
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	<input type="checkbox"/> New	<input checked="" type="checkbox"/> M Safety	<input checked="" type="checkbox"/> M Facility Cond.	<input type="checkbox"/> Productivity	
SERVED:	<input type="checkbox"/> Replace	<input checked="" type="checkbox"/> L Mandates	<input checked="" type="checkbox"/> L Service Def.	<input checked="" type="checkbox"/> N/A Tax Base Exp.	<input type="checkbox"/> City Master Pl.
	<input type="checkbox"/> Rebuild	<input checked="" type="checkbox"/> H O + M Costs	<input type="checkbox"/> Council Goals	<input checked="" type="checkbox"/> M Timeliness	
	<input type="checkbox"/> 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: It is essential for a Fire Department to have a viable training facility.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	820,000	0	0	0	0	0	0	0	820,000
	Total	0	0	820,000	0	0	0	0	0	0	0	820,000

2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT

PROJECT: FIRE #560-Fire Training Facility

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2016	General G.O. Bonds	820,000	Construction of new Fire Training Grounds facility at Old Turnpike Road.
		<u>\$820,000</u>	2016 Subtotal
	TOTAL	<u>\$820,000</u>	

**2014-2023
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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Capital Transfer	0	40,000	40,000	20,000	0	0	0	0	0	0	100,000
	Total	0	40,000	40,000	20,000	0	0	0	0	0	0	100,000

**2014-2023
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
2015	General Capital Transfer	40,000	Replace failing fire alarm cabling along Airport Road
		\$40,000	2015 Subtotal
2016	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.
		\$40,000	2016 Subtotal
2017	General Capital Transfer	20,000	Replace Digitize Equipment in Communications Center. This system receives and decodes the alarm signals received in the Communications Center.
		\$20,000	2017 Subtotal
	TOTAL	\$100,000	

**2014-2023
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 Master Plan. Statute requires that a City's or Town's Master Plan be updated from "time to time," and a generally 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. It is likely that the build-out analysis will change significantly.

IMPACT IF NOT FUNDED: Poor long-range planning leads to haphazard development, which can result in the loss of land resources as well as economic development 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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	G.O. Bonds	0	0	0	100,000	0	0	0	0	0	0	100,000
	Total	0	0	0	100,000	0	0	0	0	0	0	100,000

**2014-2023
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
		\$100,000	2017 Subtotal
	TOTAL	\$100,000	

**2014-2023
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 new cameras featuring better resolution as well as increased pan / zoom capabilities. Cameras will be hardwired to the Police Department, thereby providing live feed capabilities.

SERVICE IMPACT: Project will improve security and safety for the general public in the three parking garages, thereby helping to deter vandalism and other criminal activity, as well as encourage expanded use of each facility.

IMPACT IF NOT FUNDED: Status quo security and surveillance conditions shall remain unchanged.

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	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	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

2014-2023
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
2015	Parking G.O. Bonds	100,000	Upgrade surveillance systems in all 3 parking garages.
		<u>\$100,000</u>	2015 Subtotal
	TOTAL	<u>\$100,000</u>	

**2014-2023
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="checkbox"/> Safety	<input type="checkbox"/> Facility Cond.	<input type="checkbox"/> Productivity	
SERVED:	<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	<input type="checkbox"/> 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, and installation of a small playground. Improvements may also include 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 will 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)

**2014-2023
CAPITAL IMPROVEMENT PROGRAM
DETAIL PROJECT LISTING BY DEPT**

PROJECT: REC-GROUNDS #567-Penacook Riverfront Park

VI. PROJECT FUND SUMMARY

Fund	Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Ten Years
General	Impact Fees Rec Dist 1	0	35,000	0	0	0	0	0	0	0	0	35,000
Other	Federal	0	80,000	0	0	0	0	0	0	0	0	80,000
General	Donations	0	18,000	0	0	0	0	0	0	0	0	18,000
General	G.O. Bonds	0	50,000	0	0	0	0	0	0	0	0	50,000
	Total	0	183,000	0	0	0	0	0	0	0	0	183,000

VII. PROJECT FUND DETAIL

Fiscal Year	Fund Type	Amount	Action
2015	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>	2015 Subtotal
	TOTAL	<u>\$183,000</u>	