

2016 - 2021 CAPITAL IMPROVEMENTS PROGRAM

Lebanon, New Hampshire

PROJECT NUMBER: 2017G15

PROJECT: DPW CMOM (Capacity Management Operations Maintenance Plan)

DEPARTMENT: Public Works
PROJECT TITLE: DPW CMOM (Capacity Management Operations Maintenance Plan)
PURPOSE OF PROJECT REQUEST FORM: Modification
DEPARTMENT PRIORITY: MANDATORY
LOCATION: City Sewer - Citywide

DESCRIPTION / JUSTIFICATION: Evaluate the complete sewer system as part of the EPA's consent decree. The Sewer GIS mapping project plan is to develop a complete and accurate electronic sewer system map and accompanying database of the City's sewer infrastructure system. The mapping is developed utilizing existing City as-built records, City's CAD and GIS field data. The City of Lebanon is in a 40 square mile area. The City has over 58 miles of collection system: including gravity sewers and force mains and approximately 1550 manholes and 74 lamp-holes along with pump stations. This request is to model the system to truly understand the capacity of the system for planning purposes and to keep track for when the system is reaching it's capacity. This goes hand in hand with the mapping.

After the inspection and evaluating the condition a majority of the City's sewer lines and manhole structures to determine the maintenance and capacity needs of our system.

This project is part of the EPA's consent decree that requires us to establish a Capacity Management Operations Maintenance (CMOM) plan which will assist the City in the continued maintenance and upkeep of the sewer collection system. This will enable the City to utilize the System mapping to the fullest.

FINANCIAL PLAN AND PROJECT SCHEDULE:

	<u>Prior</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2016-2021</u>	<u>Total</u>
EXPENDITURES									
Design and Engineering	\$1,079,833	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$1,379,833
TOTAL	\$1,079,833	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$1,379,833
FUNDING									
	Sewage Collection/Disposal Improvements and Equipment								
Capital Reserve Fund	\$1,079,833	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$1,379,833
TOTAL	\$1,079,833	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$1,379,833
FUNDING SUMMARY									
Capital Reserve Fund	\$1,079,833	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$1,379,833
TOTAL	\$1,079,833	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$1,379,833

2016 - 2021 CAPITAL IMPROVEMENTS PROGRAM

Lebanon, New Hampshire

PROJECT NUMBER: 2017G15

PROJECT: DPW CMOM (Capacity Management Operations Maintenance Plan)

	<u>Prior</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2016-2021</u>	<u>Total</u>
RESPONSIBLE FUND:									
Sewage Collection and Disposal Fund	\$1,079,833	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$1,379,833
TOTAL	\$1,079,833	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$1,379,833

FINANCIAL RECAPITULATION:

Source of Funding												
<u>Year</u>	<u>Budget</u>	<u>Debt</u>	<u>Operating Budget</u>	<u>Capital Reserve Fund</u>	<u>Grant</u>	<u>Existing Funds</u>	<u>Other</u>	<u>Total</u>	<u>Expended (To Date)</u>	<u>Encumbered</u>	<u>Budget Balance</u>	<u>Funded Balance</u>
2011-2014	\$799,833	\$0	\$0	\$799,833	\$0	\$0	\$0	\$799,833	\$612,733	\$39,828	\$147,273	\$147,273
2015 (5/21)	\$280,000	\$0	\$0	\$280,000	\$0	\$0	\$0	\$280,000	\$625,161	\$355,100	\$99,573	\$99,573
	<u>\$1,079,833</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1,079,833</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1,079,833</u>				

CAPITAL RESERVE FUNDS:

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Sewage Collection and Disposal Improvements and Equipment							
Beginning Balance	\$117,248	\$87,248	\$287,248	\$187,248	(\$14,752)	\$185,248	\$385,248
Additions:	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
Withdrawals:							
2015-2020 CIP: Sewage Collection System Evaluation	(\$280,000)	\$0	\$0	\$0	\$0	\$0	\$0
2016-2021 CIP: DPW Fleet and Equipment Replacement	\$0	(\$50,000)	(\$50,000)	(\$50,000)	(\$50,000)	(\$50,000)	(\$50,000)
2016-2021 CIP: Sewage Collection System Evaluation	\$0	\$0	(\$300,000)	\$0	\$0	\$0	\$0
2016-2021 CIP: Mack Avenue Utility Replacement Project	\$0	\$0	\$0	(\$402,000)	\$0	\$0	\$0
Estimated Ending Balance	\$87,248	\$287,248	\$187,248	(\$14,752)	\$185,248	\$385,248	\$585,248

NOTE1: Excludes current year portfolio changes. NOTE2: New Hampshire law allows municipalities to raise and appropriate money to establish a capital reserve fund, reserve fund or trust fund; to finance in whole or in part capital improvements, including the acquisition of buildings, land and equipment, general property assessment update, tax maps and municipal and regional transportation improvements; for the maintenance and operation of a specific public facility or type of facility, a specific item or type of equipment; to establish municipal transportation improvement reserves; to create trust funds for the maintenance and operation of the city and any other public purpose that is not foreign to the city's institution or incompatible with the objects of its organization.