LEBANON CITY COUNCIL
NOVEMBER 30, 2021 - 5:30 PM
SPECIAL MEETING
COUNCIL CHAMBERS, CITY HALL OR REMOTE VIA VIRTUAL PLATFORM
LEBANONNH.GOV/LIVE

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1. Call to Order

To participate in this meeting, please join live via Microsoft Teams or call 929-229-5356 (access code: 680 083 151#). If you have trouble accessing this meeting, please email Shaun Mulholland.

The November 30, 2021 Special Meeting of the Lebanon City Council is hereby called to order.

2. Old Business

A. Review of 2022 Airport Budget (Continued from 11/29 – if needed)

B. Completion of Review of Capital Improvements Plan (Continued from 11/29 – if needed)

3. New Business

A. General Q & A – 2022 Proposed Budget

4. Adjournment

Meetings are open for in-person and remote attendance. Members of the public that wish to attend remotely may do so by going to LebanonNH.gov/Live where you will find instructions on how to enter the meeting. Members of the public will be able to participate and ask questions through the City's virtual platform or by phone. Please note: Should technical difficulties occur during the meeting that disrupts virtual or phone connection(s), the meeting will continue without remote access capabilities.

CIP Presentation DPW

11/29/2021

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. **DEPARTMENT –** Public Works/Cemetery Division

2. **PROJECT TITLE –** Property Acquisition

3. **PURPOSE OF PROJECT REQUEST FORM –** Acquire adjacent property as part of long-term Valley Cemetery growth.

4. **DEPARTMENT PRIORITY –** HIGH. Acquisition of this adjacent property, 226 Mascoma Street, Lot 90-26, will provide Valley Cemetery expansion and a right of way for a potential trail connection to the Mascoma Greenway.

5. **LOCATION –** Lebanon Valley Cemetery

6. **PROJECT DESCRIPTION/JUSTIFICATION –** Cemetery expansion to extend life of cemetery. Purchase price of $235,000.

2022 - 2027 Capital Improvement Program

Return on Investment:

This following is an estimate of revenues which are possible on the 226 Mascoma Street property:

- Assumptions: That City will construct a 10-foot-wide bike path with fence along east side of property abutting 222 Mascoma Street to give access to trails from the Greenway to the trails across Mascoma street.
- Property will be developed to provide 188 Lots with 3 graves per lot. Total full graves 564 @ $600 per grave = Revenue $338,400
- Each grave can hold total of 6 remains 1 full with 5 cremations- available space for 3,384 human remains
- Weekday Full burial cost- $450 X 564 = Revenue $253,800
- Weekday cremation cost-$200 X 2820 = $ 564,000
- **Total Possible revenue $1,156,200**

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #2

Property Acquisition - 226 Mascoma Street - Vallet Cemetery adjacent property

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				$0	$0	$0	$0	$0	$0	$0
Construction/Implementation				$0	$0	$0	$0	$0	$0	$0
Property/Equipment Acquisition				$235,000	$0	$0	$0	$0	$0	$235,000
			TOTAL	$235,000	$0	$0	$0	$0	$0	$235,000
FUNDING										
Current (Operating Budget)	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund	$235,000	$0	$0	$0	$0	$0	$235,000
	Supported by:	Water Rates	Wfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:	Landfill Fund		$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	**NHDOT**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**FAA**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**NHDOT Bureau of Aeronautics**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	**Water Investment Fees**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**____Public Facilities Impact Fees**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Other	Specify:	**____Private Contributions**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
			TOTAL	$235,000	$0	$0	$0	$0	$0	$235,000

8. NET EFFECT ON OPERATING COSTS

Debt Service				$0	$0	$0	$0	$0	$0	$0
Personnel				$0	$0	$0	$0	$0	$0	$0
Purchased Services				$0	$0	$0	$0	$0	$0	$0
Materials and Supplies				$0	$0	$0	$0	$0	$0	$0
Other				$0	$0	$0	$0	$0	$0	$0
			TOTAL	$0	$0	$0	$0	$0	$0	$0

9. NET EFFECT ON MUNICIPAL INCOME

				$0	$0	$0	$0	$0	$0	$0
				$0	$0	$0	$0	$0	$0	$0
Other				$0	$0	$0	$0	$0	$0	$0
			TOTAL	$0	$0	$0	$0	$0	$0	$0

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #1-Trues Brook Bridge

1. DEPARTMENT: Public Works

2.PROJECT TITLE & NUMBER: Trues Brook Bridge (NHDOT#24221) Bridge# (066/059)

3.PURPOSE OF PROJECT REQUEST FORM: Project Modification

4.DEPARTMENT PRIORITY: Maintenance of the City's infrastructure to provide and ensure safe public services. (RED LIST BRIDGE)

5. LOCATION: Trues Brook Road over Bloods Brook, 2nd Bridge

6. PROJECT DESCRIPTION/JUSTIFICATION: This Bridge was built in 1952 and rebuilt in 1986; it is showing signs of deterioration.

This bridge has been placed on the NHDOT Red-list. This Bridge is eligible for up to 80% NHDOT funding through the State Bridge Aid program with the balance of 20% being City funding. This request is to fund the Construction, ROW, and Construction Engineering in the future years. This project has currently been placed on the State's Ten Year plan with the state's construction estimate at $2,890,066. The NHDOT funding is a maximum of $2,312,053. Award must be made by June 30, 2022. The City Master Plan in Chapter 9 discusses the importance of maintenance of the City's bridges and infrastructure.

An Engineering Study was performed and can be found at the Department of Public Works including cost estimates. The 2014 Engineering Study Phase expended $66K. The recommended option chosen from the Engineering Study Phase was $3,483,000 (which is based on 2014 study phase estimate of $1.963M + 8 years of inflation at 5%/year + $263K for Preliminary Design & Final Engineering & Bid Phase (PS&E), $20,000 for Right Of Way (ROW) negotiation/ acquisition and $300k for the Construction Engineering phase. The current 2021 total project costs are estimated at $4,100,000 which includes the engineering study, preliminary and final engineering design, right-of-way, engineering construction costs and construction costs.

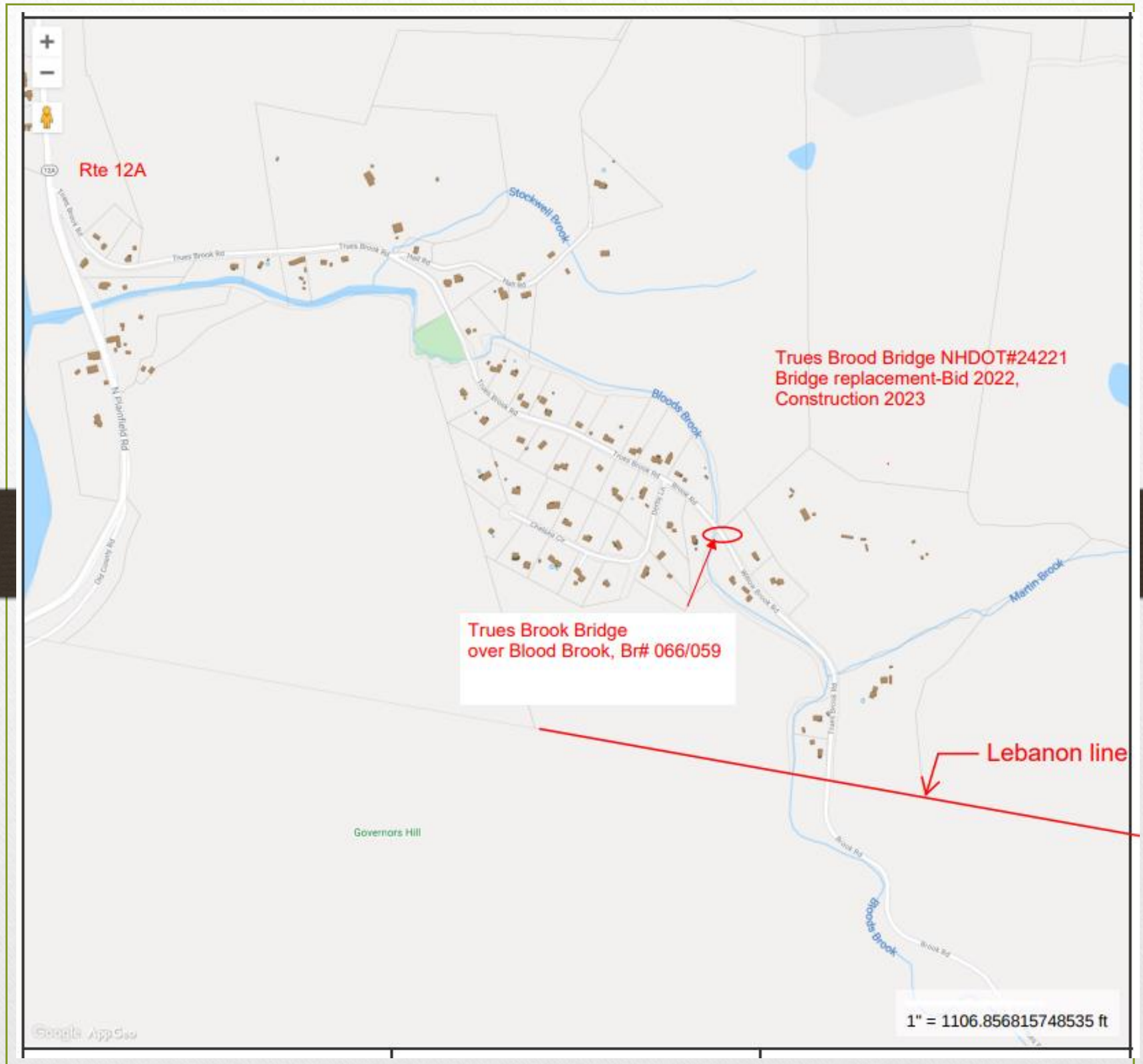
The PS&E phase is scheduled for 2021-22, ROW for 2022 and construction in 2022-2023.

PROJECT REQUEST FORM #2: Trues Brook Bridge (NHDOT#24221)

Bridge# 066/059

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				Previous Avail	2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES											
Design/Engineering				263000	$0	$0	$0	$0	$0	$0	$0
Construction/Implementation					$4,100,000	$0	$0	$0	$0	$0	$4,100,000
Property/Equipment Acquisition				20000	$0	$0	$0	$0	$0	$0	$0
			TOTAL		$4,100,000	$0	$0	$0	$0	$0	$4,100,000
FUNDING											
Current (Operating Budget)	Specify Fund:				$0	$0	$0	$0	$0	$0	$0
	Specify Fund:				$0	$0	$0	$0	$0	$0	$0
	Specify Fund:				$0	$0	$0	$0	$0	$0	$0
	Specify Fund:				$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund		$820,000	$0	$0	$0	$0	$0	$820,000
	Supported by:	Water Rates	Wfund		$0	$0	$0	$0	$0	$0	$0
	Supported by:	Sewer Rates	Sfund		$0	$0	$0	$0	$0	$0	$0
	Supported by:				$0	$0	$0	$0	$0	$0	$0
	Supported by:				$0	$0	$0	$0	$0	$0	$0
	Supported by:				$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:				$0	$0	$0	$0	$0	$0	$0
	Specify Fund:				$0	$0	$0	$0	$0	$0	$0
	Specify Fund:				$0	$0	$0	$0	$0	$0	$0
	Specify Fund:				$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	NHDOT State Aid Bridge to cover 80% of these costs			$3,280,000	$0	$0	$0	$0	$0	$3,280,000
	Specify:	FAA			$0	$0	$0	$0	$0	$0	$0
	Specify:	NHDOT Bureau of Aeronautics			$0	$0	$0	$0	$0	$0	$0
	Specify:				$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	Water Investment Fees			$0	$0	$0	$0	$0	$0	$0
	Specify:	___ Public Facilities Impact Fees			$0	$0	$0	$0	$0	$0	$0
	Specify:				$0	$0	$0	$0	$0	$0	$0
Other	Specify:	___ Private Contributions			$0	$0	$0	$0	$0	$0	$0
	Specify:				$0	$0	$0	$0	$0	$0	$0
	Specify:				$0	$0	$0	$0	$0	$0	$0
	Specify:				$0	$0	$0	$0	$0	$0	$0
			TOTAL		$4,100,000	$0	$0	$0	$0	$0	$4,100,000


Rte 12A
Trues Brood Bridge NHDOT#24221
Bridge replacement-Bid 2022,
Construction 2023
Trues Brook Bridge
over Blood Brook, Br# 066/059
Lebanon line
Governors Hill
Stockwell Brook
Bloods Brook
Martin Brook
N Plainfield Rd
Trues Brook Rd
1" = 1106.856815748535 ft

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. DEPARTMENT: Public Works

2.PROJECT TITLE & NUMBER: Infrastructure Improvements – Kimball Street Reconstruction - Road/ Sidewalks/ Curbing/ Drainage/ Sewer/ Water

3.PURPOSE OF PROJECT REQUEST FORM: Infrastructure Improvements

4.DEPARTMENT PRIORITY: Modification- Maintenance, Rehabilitation and Replacement

5. LOCATION: Kimball Street and a small portion of Forest

6. PROJECT DESCRIPTION/JUSTIFICATION: The various street projects that are planned around the City of Lebanon provide for the ongoing heavy repair and reconstruction of the City's street infrastructure to include roadways, sidewalks, curbing, drainage, water and sewer lines as required. The City of Lebanon take environmental concerns into consideration. Environmental impacts are always minimized along with the impacts to the City and the residents. All City projects are designed and constructed to provide the citizens a higher level of service by replacing older utility lines and repairing roadways. The majority of all City projects take place in the City's Right of Way or within existing easements, however at times when this is not the case the City works with the homeowner to receive a license for working on their utility services or an easement on to their property.

The various streets projects that are planned around the City of Lebanon are to repair and replace old, falling, or undersized infrastructure. From the City of Lebanon master Plan Chapter 9: C-2b states "Roadway improvement projects, zoning district boundaries, and individual subdivision, zoning, site plan, driveway permit and building permit applications, should be undertaken so that roads remain appropriate to the abutting properties and compatible with adjacent land uses."

Kimball Street reconstruction is programmed for construction in 2022 based upon CIP funding from 2022 and SRF Funding. Costs include an update to the previous design

2022-2027 Capital Improvement Program

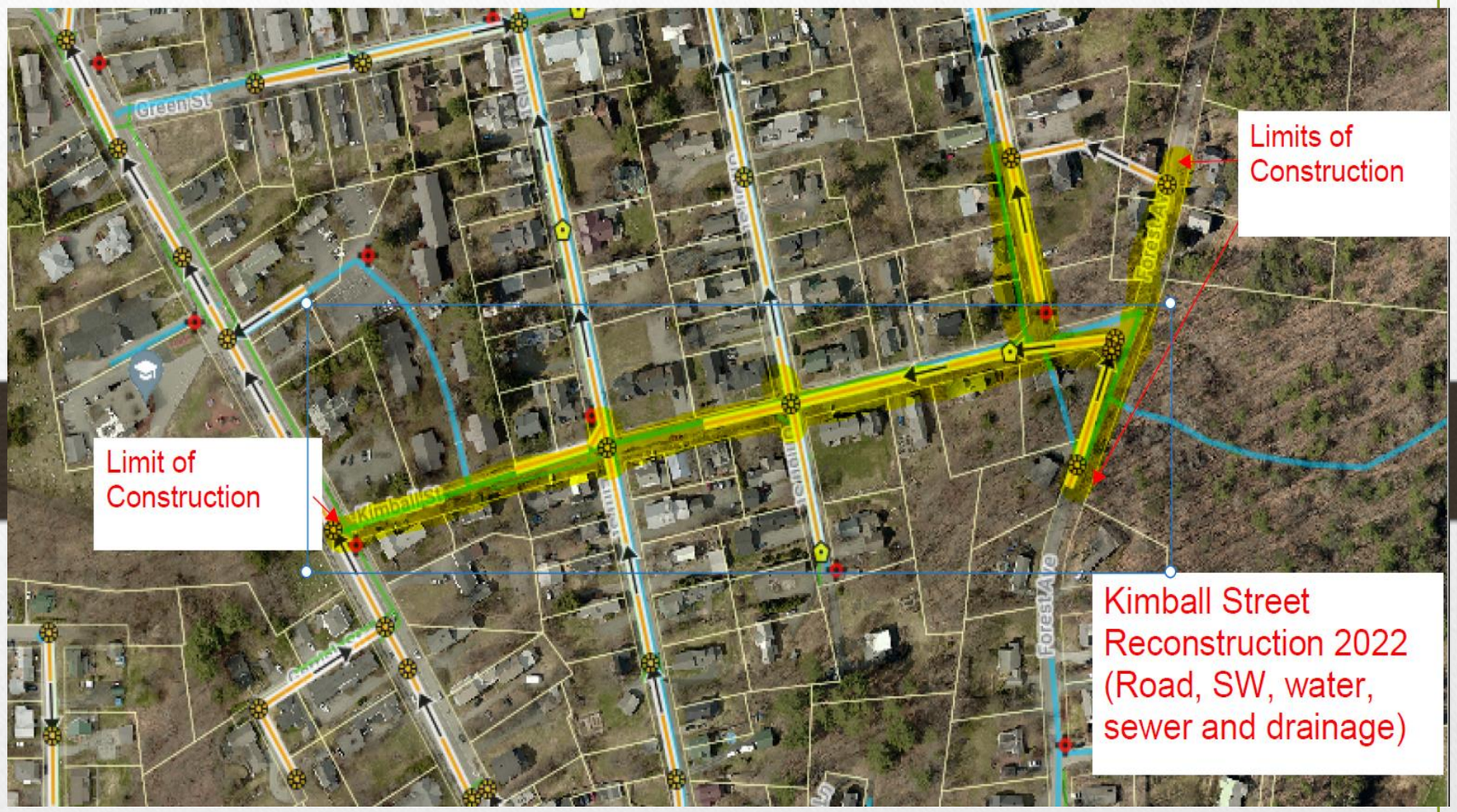
PROJECT REQUEST FORM #2: Kimball Street Reconstruction (Construction scheduled for 2022)

7. FINANCIAL PLAN AND PROJECT SCHEDULE

					2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES											
Design/Engineering		Previous $102,900			**$100,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$100,000
Construction/Implementation					**$3,300,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$3,300,000
Property/Equipment Acquisition					**$5,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$5,000
				TOTAL	**$3,405,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$3,405,000**
FUNDING											
Current (Operating Budget)		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Debt	35%	Supported by:	Taxes	Gfund	**$1,191,750**	**$0**	**$0**	**$0**	**$0**	**$0**	$1,191,750
	30%	Supported by:	Water Rates	Wfund	**$1,021,500**	**$0**	**$0**	**$0**	**$0**	**$0**	$1,021,500
	35%	Supported by:	Sewer Rates	Sfund	**$1,191,750**	**$0**	**$0**	**$0**	**$0**	**$0**	$1,191,750
		Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Capital Reserve Fund		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Grants		Specify:	**NHDOT**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:	**FAA**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:	**NHDOT Bureau of Aeronautics**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:	NHDES		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Existing Funds		Specify:	**Water Investment Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:	**Public Facilities Impact Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Other		Specify:	**Private Contributions**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
				TOTAL	**$3,405,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$3,405,000**

KIMBALL STREET and FOREST STREET INFRASTRUCTURE

KIMBALL STREET and FOREST STREET INFRASTRUCTURE



2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #1-Forest Ave.

1.DEPARTMENT: Public Works

2.PROJECT TITLE & NUMBER: Infrastructure Improvements – Forest Ave.
Reconstruction - Road/ Sidewalks/ Curbing/ Drainage/ Sewer/ Water

3.PURPOSE OF PROJECT REQUEST FORM: Infrastructure Improvements

4. DEPARTMENT PRIORITY: New- Maintenance, Rehabilitation and Replacement

5. LOCATION: Forest Ave.

6. PROJECT DESCRIPTION/JUSTIFICATION: The various street projects that are planned around the City of Lebanon provide for the ongoing heavy repair and reconstruction of the City's street infrastructure to include roadways, sidewalks, curbing, drainage, water and sewer lines as required. The City of Lebanon take environmental concerns into consideration. Environmental impacts are always minimized along with the impacts to the City and the residents. All City projects are designed and constructed to provide the citizens a higher level of service by replacing older utility lines and repairing roadways. The majority of all City projects take place in the City's Right of Way or within existing easements, however at times when this is not the case the City works with the homeowner to receive a license for working on their utility services or an easement on to their property.

The various streets projects that are planned around the City of Lebanon are to repair and replace old, falling, or undersized infrastructure. From the City of Lebanon master Plan Chapter 9: C-2b states "Roadway improvement projects, zoning district boundaries, and individual subdivision, zoning, site plan, driveway permit and building permit applications, should be undertaken so that roads remain appropriate to the abutting properties and compatible with adjacent land uses."

Forest Ave. reconstruction is programmed for design in 2022 and Construction in 2023 with CIP and SRF funding in 2023. Costs in 2022 include an update to the previous design plans and to include a basin that is tied to the City's sewer system. A drainage study was included in Kimball Streets design with a drainage study to identify improvements for

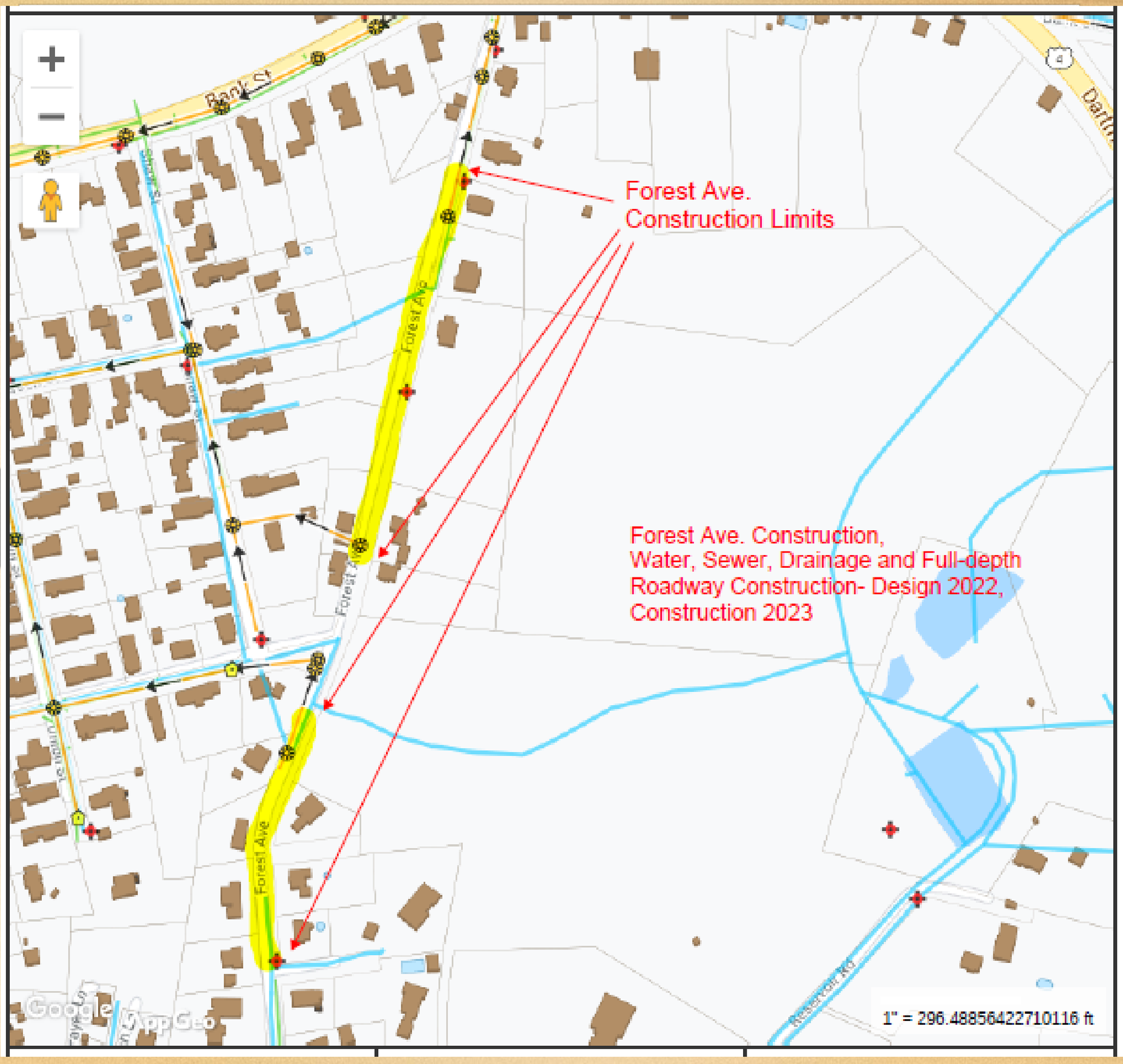
drainage which will be required to address the Forest Avenue drainage issues and proposed drainage infrastructure sizing to accommodate larger storm events for the receiving drainage system on the downgradient streets, i.e Shaw, Union, Elm, Green, Bank Street, etc. Forest Ave. construction costs include road, drainage, sewer, water, curbing.

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #2: Forest Ave. Reconstruction (Construction in 2023)

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				$150,000	$0	$0	$0	$0	$0	$150,000
Construction/Implementation					$2,350,000	$0	$0	$0	$0	$2,350,000
Property/Equipment Acquisition					$0	$0	$0	$0	$0	$0
			TOTAL	$150,000	$2,350,000	$0	$0	$0	$0	$2,500,000
FUNDING										
Current (Operating Budget)	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	40% Supported by:	Taxes	Gfund	$45,000	$940,000	$0	$0	$0	$0	$985,000
	30% Supported by:	Water Rates	Wfund	$60,000	$705,000	$0	$0	$0	$0	$765,000
	30% Supported by:	Sewer Rates	Sfund	$60,000	$705,000	$0	$0	$0	$0	$765,000
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	NHDOT		$0	$0	$0	$0	$0	$0	$0
	Specify:	FAA		$0	$0	$0	$0	$0	$0	$0
	Specify:	NHDOT Bureau of Aeronautics		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	Water Investment Fees		$0	$0	$0	$0	$0	$0	$0
	Specify:	____Public Facilities Impact Fees		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Other	Specify:	____Private Contributions		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
			TOTAL	$165,000	$2,350,000	$0	$0	$0	$0	$2,515,000


Forest Ave.
Construction Limits
Forest Ave. Construction,
Water, Sewer, Drainage and Full-depth
Roadway Construction- Design 2022,
Construction 2023
Bank St
Forest Ave
Forest Ave
1" = 296.48856422710116 ft

PROJECT REQUEST FORM #1-Mack Avenue

1. DEPARTMENT Public Works

2.PROJECT TITLE Infrastructure Improvements – Mack Avenue - Road/ Sidewalks/ Curbing/ Drainage/ Sewer/ Water

3.PURPOSE OF PROJECT REQUEST FORM Modifiaction: Infrastructure Improvements

4.DEPARTMENT PRIORITY Maintenance, Rehabilitation and Replacement

5.LOCATION Mack Avenue Reconstruction in 2023

6.PROJECT DESCRIPTION/JUSTIFICATION

The various street projects that are planned around the City of Lebanon provide for the ongoing heavy repair and reconstruction of the City's street infrastructure to include roadways, sidewalks, curbing, drainage, water and sewer lines as required. The City of Lebanon takes environmental concerns into consideration. Environmental impacts are always minimized along with the impacts to the City and the residents. All City projects are designed and constructed to provide the citizens a higher level of service by replacing older utility lines and repairing roadways. The majority of all City projects take place in the City's Right of Way or within existing easements, however at times when this is not the case the City works with the homeowner to receive a license for working on their utility services or an easement on to their property.

The various streets projects that are planned around the City of Lebanon are to repair and replace old, falling, or undersized infrastructure. From the City of Lebanon master Plan Chapter 9: C-2b states "Roadway improvement projects, zoning district boundaries, and individual subdivision, zoning, site plan, driveway permit and building permit applications, should be undertaken so that roads remain appropriate to the abutting properties and compatible with adjacent land uses."

Mack Avenue is programmed in year 2022 for design and construction 2023. Project costs include engineering design and reconstruction of roadway including sidewalk, curbing, drainage, water and sewer utilities. Mack Avenue has been on the list for streets reconstruction since 2010. The cast watermain needs replacement and the lack of positive drainage has deteriorated the street, so full depth reconstruction is proposed. These pipes are 80+ years old. The sewer line has been very problematic over the years

with staff having to clean the main on a quarterly basis due to roots and bad pipes. This line though separated does have Inflow & Infiltration problems. The water main is an old cast iron line that is the main connector line between the CSO #9 and CSO #10 project areas.

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #2: Mack Ave CIP Infrastructure

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				$200,000	$0	$0	$0	$0	$0	$200,000
Construction/Implementation				$0	$1,900,000	$0	$0	$0	$0	$1,900,000
Property/Equipment Acquisition				$0	$0	$0	$0	$0	$0	$0
			TOTAL	$200,000	$1,900,000	$0	$0	$0	$0	$2,100,000
FUNDING										
Current (Operating Budget)	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund 40%	$80,000	$760,000	$0	$0	$0	$0	$840,000
	Supported by:	Water Rates	Wfund 30%	$60,000	$570,000	$0	$0	$0	$0	$630,000
	Supported by:	Sewer Rates	Sfund 30%	$60,000	$570,000	$0	$0	$0	$0	$630,000
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	NHDOT		$0	$0	$0	$0	$0	$0	$0
	Specify:	FAA		$0	$0	$0	$0	$0	$0	$0
	Specify:	NHDOT Bureau of Aeronautics		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	Water Investment Fees		$0	$0	$0	$0	$0	$0	$0
	Specify:	____Public Facilities Impact Fees		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Other	Specify:	____Private Contributions		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
			TOTAL	$200,000	$1,900,000	$0	$0	$0	$0	$2,100,000

Mack Ave. Construction Limits
Mack Ave. Design 2022-Construction 2023-Full Depth Roadway, Water,Sewer,Storm,SWSRF-Funding
1" = 404.3954494536698 ft
Google AppGeo

Mack Ave. Construction Limits
Mack Ave. Design 2022-Construction 2023-Full Depth Roadway, Water,Sewer,Storm,SWSRF-Funding

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. **DEPARTMENT:** Public Works - Water Distribution

2. **PROJECT TITLE:** Water System Improvements Miracle Mile

3. **PURPOSE OF PROJECT REQUEST FORM:** This is a NEW Project in 2022.

   There are 90 miles of water main throughout the City consisting of various pipe types, ages and pipe sizes. The pipe types include cast iron (pre 1960), ductile iron, PVC and galvanized steel. Pipe ages date back to the early 1900's. Pipe sizes range from 1 inch to 16 inches in diameter. An asset management study was completed in 2021 identifying watermain and appurtenances that are in need of replacement and/or are undersized and have the highest risk of failure. A list of proposed watermain infrastructure improvements has been developed based on their risk of failure and the impacts that it would have on businesses and the community. To ensure distribution and delivery of water throughout the water system, it is necessary to perform these upgrades to the watermains, gate valves and fire hydrants. A multi-year improvement plan is proposed.

   The Miracle Mile watermain is ranked high on the risk of failure. This project includes watermain replacement or watermain lining along with associated roadway improvements consisting of mill/shim/overlay improvement.

4. **DEPARTMENT PRIORITY:** NEW - Maintenance, a continuation of public water services.

5. **LOCATION:** Miracle Mile (Dudley Bridge to Mechanic Street at the Mascoma River bridge near the I-89 northbound offramp).

6. **PROJECT DESCRIPTION/JUSTIFICATION:** This project is intended to upgrade the watermain on Miracle Mile. This proposed watermain infrastructure project on Miracle Mile has risen to the top of City water system infrastructure needs showing the need of replacement based on its risk of failure and the impacts that it would have on the businesses and community. This 12" waterline that is being proposed to be improved is along US4. It consists of 5,500 lf of main that connects

to two sides of watermains that have been replaced over the last 12 years. This is a major corridor connecting Lebanon and West Lebanon where there are many restaurants, retail, grocer, doctor's offices, urgent care centers, auto dealerships, service stations, and entertainment area along many more businesses. This line has experienced multiple breaks over the past decade where it has impacted those businesses. This project is to slip-line this line so that those businesses receive water without the detrimental impacts to their businesses from another break.

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #2 Water System Improvements Miracle Mile

7. FINANCIAL PLAN AND PROJECT SCHEDULE

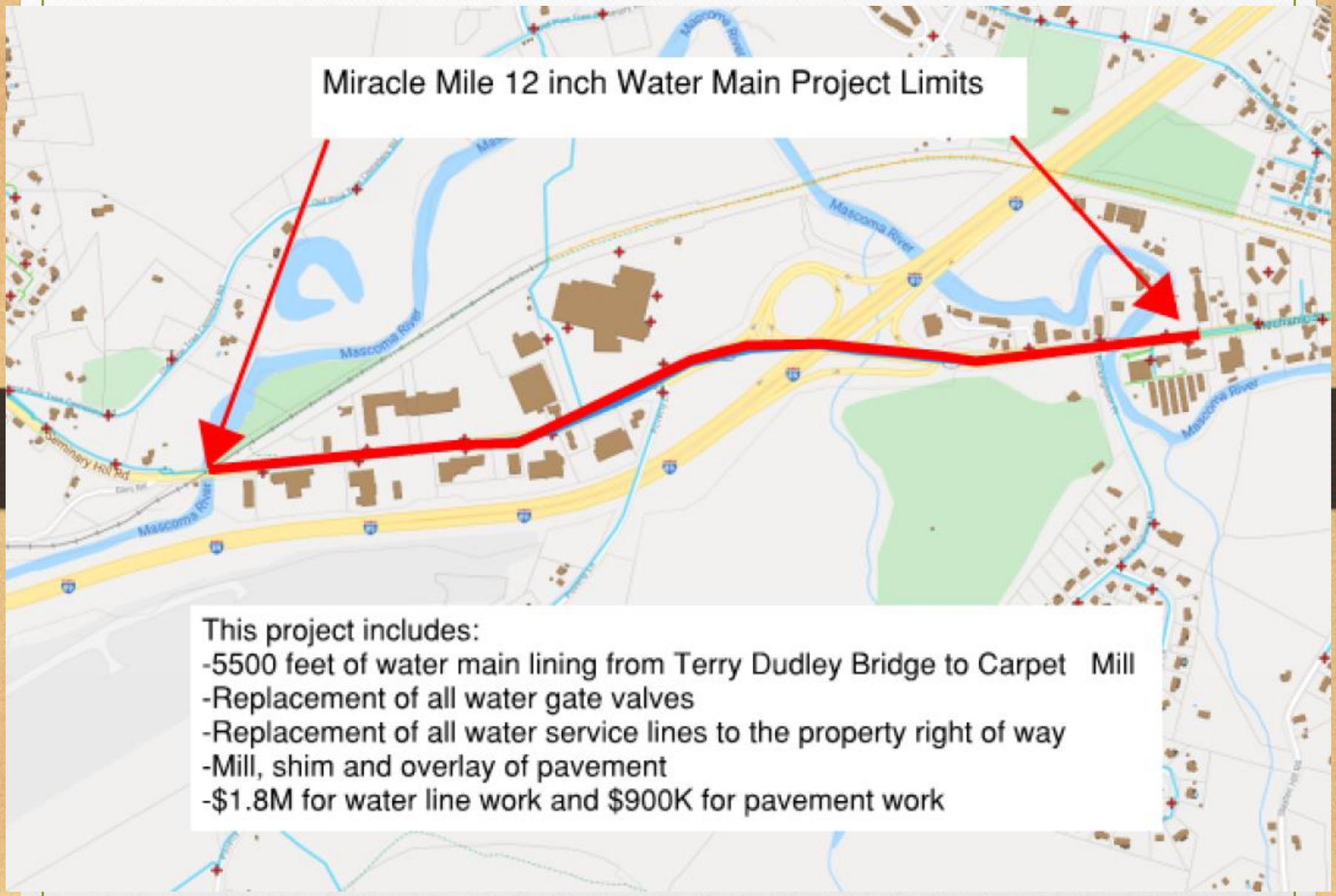
				2022	2023	2024	2025	2026	2027	2021 - 2026
EXPENDITURES										
Design/Engineering				$100,000	$0	$0	$0	$0	$0	$100,000
Design and Construction -				$0	$0	$0	$0	$0	$0	$0
Construction/Implementation				$2,600,000	$0	$0	$0	$0	$0	$2,600,000
Property/Equipment Acquisition				$0	$0	$0	$0	$0	$0	$0
			TOTAL	$2,700,000	$0	$0	$0	$0	$0	$2,700,000
FUNDING										
Current (Operating Budget)	Specify Fund:	Water Operating Budget - Survey Services and water Modelling		$0	$0	$0	$0	$0	$0	$0
	Specify Fund:	Water Operating Budget - Gate Valves & Hydrants		$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund	$900,000	$0	$0	$0	$0	$0	$900,000
Water Gate Valves and Hydrants	Supported by:	Water Rates	Wfund	$1,800,000	$0	$0	$0	$0	$0	$1,800,000
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	**NHDOT**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**FAA**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**NHDOT Bureau of Aeronautics**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**NHDES**		$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	**Water Development Fees or Capital Reserves**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**____Public Facilities Impact Fees**		$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
Other	Specify:	**____Private Contributions**		$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
			TOTAL	$2,700,000	$0	$0	$0	$0	$0	$2,700,000

8. NET EFFECT ON OPERATING COSTS

Debt Service				$0	$0	$0	$0	$0		$0
Personnel				$0	$0	$0	$0	$0		$0
Purchased Services				$0	$0	$0	$0	$0		$0
Materials and Supplies				$0	$0	$0	$0	$0		$0
Other				$0	$0	$0	$0	$0		$0
			TOTAL	$0	$0	$0	$0	$0		$0

9. NET EFFECT ON MUNICIPAL INCOME

				$0	$0	$0	$0	$0		$0
				$0	$0	$0	$0	$0		$0
Other				$0	$0	$0	$0	$0		$0
			TOTAL	$0	$0	$0	$0	$0		$0


Miracle Mile 12 inch Water Main Project Limits
Mascoma River
Seminary Hill Rd
This project includes:
-5500 feet of water main lining from Terry Dudley Bridge to Carpet Mill
-Replacement of all water gate valves
-Replacement of all water service lines to the property right of way
-Mill, shim and overlay of pavement
-$1.8M for water line work and $900K for pavement work

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. **DEPARTMENT –** Public Works/Solid Waste Division

2. **PROJECT TITLE –** Replacement of Landfill Tarp Machine

3. **PURPOSE OF PROJECT REQUEST FORM –** NEW - Maintain Solid Waste Division Equipment

4. **DEPARTMENT PRIORITY –** MAINTENANCE refers to a continuation of public services, the conservation of endangered resources, or the finishing of partially completed projects. The current tarp machine is past its useable life and needs to be replaced.

5. **LOCATION –** Lebanon Landfill

6. **PROJECT DESCRIPTION/JUSTIFICATION –** This piece of equipment is used to cover waste received at the landfill. State Solid Waste Rules and the Facility permit requires the application of cover material or an alternative. Using tarps instead of soils or other cover products aids in conserving valuable airspace at the Lebanon Landfill. The replacement of this equipment is a recommendation from the Lebanon Solid Waste/Recycling Business Plan. Examples below.

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #2 Landfill Tarp Machine - Cover

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				$0	$0	$0	$0	$0	$0	$0
Construction/Implementation				$0	$0	$0	$0	$0	$0	$0
Property/Equipment Acquisition				$100,000	$0	$0	$0	$0	$0	$100,000
			TOTAL	$100,000	$0	$0	$0	$0	$0	$100,000
FUNDING										
Current (Operating Budget)	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Water Rates	Wfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Solid Waste Fund	Swfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:	Landfill Equipment Fund		$100,000	$0	$0	$0	$0	$0	$100,000
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	**NHDOT**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**FAA**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**NHDOT Bureau of Aeronautics**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	**Water Investment Fees**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**____ Public Facilities Impact Fees**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Other	Specify:	**____ Private Contributions**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
			TOTAL	$100,000	$0	$0	$0	$0	$0	$100,000

Tarp Deployment System with a similar Compactor to the City's

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. **DEPARTMENT –** Public Works/Solid Waste Division

2. **PROJECT TITLE –** Landfill Gas Collection and Control System (GCCS)

3. **PURPOSE OF PROJECT REQUEST FORM –** Improvements to landfill gas collection system to improve gas output.

4. **DEPARTMENT PRIORITY –** Adding additional landfill gas collection infrastructure is required by our permit with the NHDES and our approved operating plan.

5. **LOCATION –** Lebanon Solid Waste Facility - Landfill

6. **PROJECT DESCRIPTION/JUSTIFICATION –** NHDES Env-Sw 806.07 Rules requires the City to control decomposition gases from the Landfill to prevent hazards to health, safety, and property. The City installed an active landfill gas (LFG) extraction system in 2013 to comply with this regulation. Since 2013, the City has continued operations within Landfill Phase II-C and needs to expand the existing GCCS infrastructure into areas that do not currently have LFG extraction components. The project will consist of installing a series of LFG extraction wells and LFG collection trenches that will be tied into the existing GCCS infrastructure that is under a vacuum system. The project was designed by a professional engineer licensed in the State of New Hampshire in 2020 and permitted through the NHDES Solid Waste Bureau.

This is a multi-year project with the initial design performed in 2020 and with the GCCS installed by a contractor in years 2020 through 2025 and construction coordination by DPW-Solid Waste staff.

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #2 Landfill Gas Collection Project

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				$0	$0	$0	$0	$0	$0	$0
Construction/Implementation				$137,800	$144,700	$151,900	$0	$0	$0	$434,400
Property/Equipment Acquisition				$0	$0	$0	$0	$0	$0	$0
			TOTAL	$137,800	$144,700	$151,900	$0	$0	$0	$434,400
FUNDING										
Current (Operating Budget)	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:	SW Operating Budget		$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Water Rates	Wfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Solid Waste Fund	Swfund	$137,800	$144,700	$151,900	$0	$0	$0	$434,400
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	NHDOT		$0	$0	$0	$0	$0	$0	$0
	Specify:	FAA		$0	$0	$0	$0	$0	$0	$0
	Specify:	NHDOT Bureau of Aeronautics		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	Water Investment Fees		$0	$0	$0	$0	$0	$0	$0
	Specify:	____ Public Facilities Impact Fees		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Other	Specify:	____ Private Contributions		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
			TOTAL	$137,800	$144,700	$151,900	$0	$0	$0	$434,400

Installation of Gas Collection - Summer 2021

PROJECT REQUEST FORM #1

1. **DEPARTMENT –** Public Works/Solid Waste Division

2. **PROJECT TITLE –** Landfill Gas Utilization Project

3. **PURPOSE OF PROJECT REQUEST FORM –**

The City has recently received a proposal from a selected vendor (Vergent Power System) for $4,537,057 for the construction of a 1.0 MW microturbine gas to energy project as well as a proposal from Liberty Utilities for $625,000 ($500k +25%) for upgrades to the electrical grid. These upgrades identified by Liberty Utilities and National grid are necessary in order for the project to connect to the electrical distribution system and substation.

There is a balance of $3,800,000 in previously appropriated funds for this Landfill gas to Energy project resulting in a request for additional funding of $1,362,057.

4. **DEPARTMENT PRIORITY –**

This project is in keeping with the City's Master Plan; Energy, chapter 13. This project has the potential of generating revenues from the sale of electricity as well reducing energy costs for the City as a whole.

5. **LOCATION –** Lebanon Solid Waste Facility - Landfill Gas Generator Station
The landfill gas to energy program will be developed and managed at the Lebanon Solid Waste Facility; 370 Plainfield Rd, West Lebanon, NH

6. **PROJECT DESCRIPTION/JUSTIFICATION –**

This is a 1.0 MW gas to energy project consisting of five 200 MW microturbines and a landfill gas treatment system to be located the landfill site. The City solicited proposed in 2021 from interested contractors and it was determined that Vergent Power System's proposal was in the best interest of the city. In addition Liberty Utilities recently completed an impact study identifying upgrades would be needed to the electrical distribution system and at the connecting substation for the 1MW facility to distribute generated power.

The recommended upgrades are necessary to connect the LF gas generator to the distribution grid. Installation of equipment is estimated to take 12 months.

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #2

Landfill - Additional Funds to Vergent/Waldron and Liberty Utilities/National Grid Electrical Grid Improvements Project

Note: There exists $3,800,000 in the current appropriation for this project

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering - Studies will be complete in 2021				$0	$0	$0	$0	$0	$0	$0
Construction/Implementation - Vergent Power System/Waldrons and LU and NG				$1,362,057	$0	$0	$0	$0	$0	$1,362,057
Property/Equipment Acquisition				$0	$0	$0	$0	$0	$0	$0
			TOTAL	$1,362,057	$0	$0	$0	$0	$0	$1,362,057
FUNDING										
Current (Operating Budget)	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:	SW Operating Budget		$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Water Rates	Wfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Solid Waste Fund	Swfund	$1,362,057	$0	$0	$0	$0	$0	$1,362,057
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	NHDOT		$0	$0	$0	$0	$0	$0	$0
	Specify:	FAA		$0	$0	$0	$0	$0	$0	$0
	Specify:	NHDOT Bureau of Aeronautics		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	Water Investment Fees		$0	$0	$0	$0	$0	$0	$0
	Specify:	____ Public Facilities Impact Fees		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Other	Specify:	____ Private Contributions		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
			TOTAL	$1,362,057	$0	$0	$0	$0	$0	$1,362,057

Clean
&
Green
C200S

2022 Capital Improvement Plan Budget

CITY OF LEBANON, NH

Capital Improvement Program

- Developed and updated annually to review proposed budget expenditures relative to community's capital needs.
- Prepared in accordance with statutory requirements (RSA 674:5-8) and based on and supportive of the goals of the Master Plan.
- Required to cover at least 6 years to allow community to plan for upcoming large expenditures to avoid significant fluctuations in spending and tax rates to the extent feasible.
- Although the annual budget is a Council responsibility, the Planning Board is responsible for preparing and adopting the CIP; it is first and foremost a planning document.
- Must have adopted Master Plan to have a CIP; must have adopted CIP to have Impact Fees and Growth Management Ordinances.
- Constantly evolving and changing throughout the preparation and review process.

Capital Improvement Program Items

- Any physical public betterment and related studies.
- Acquisition of land
- Construction of new buildings & facilities valued in excess of $50,000.
- Facilities engineering design and preconstruction costs in excess of $50,000
- Major planning related studies utilizing consultants at a cost in excess of $25,000.
- Reconstruction of existing facilities resulting in more capacity for growth

CIP Funding Sources

- General Obligations Bonds
- State Revolving Funds-Water and Sewer
- Capital Reserve Funds
- Grants and Loan Forgiveness

2022 CIP Budget Comparison

2021

- General Fund- **$4,980,701**
- Sewer Fund- **$1,088,870**
- Water Fund-**$175,870**
- Solid Waste Fund-**$440,000**
- Airport Fund-**$3,039,700**

- **TOTAL- $9,725,141**

2022

- General Fund- **$6,621,700**
- Sewer Fund- **$1,094,810**
- Water Fund-**$3,109,940**
- Solid Waste Fund- **$1,599,860**
- Airport Fund-**$1,775,000**

- **TOTAL- $14,201,310**

GENERAL FUND DEBT LIMITATIONS

Statutory Debt Ceiling - $74 Million

City Policy Debt Ceiling - $43 Million

Debt Retirement

- 2021 $3.5 Million
- 2022 $3.5 Million

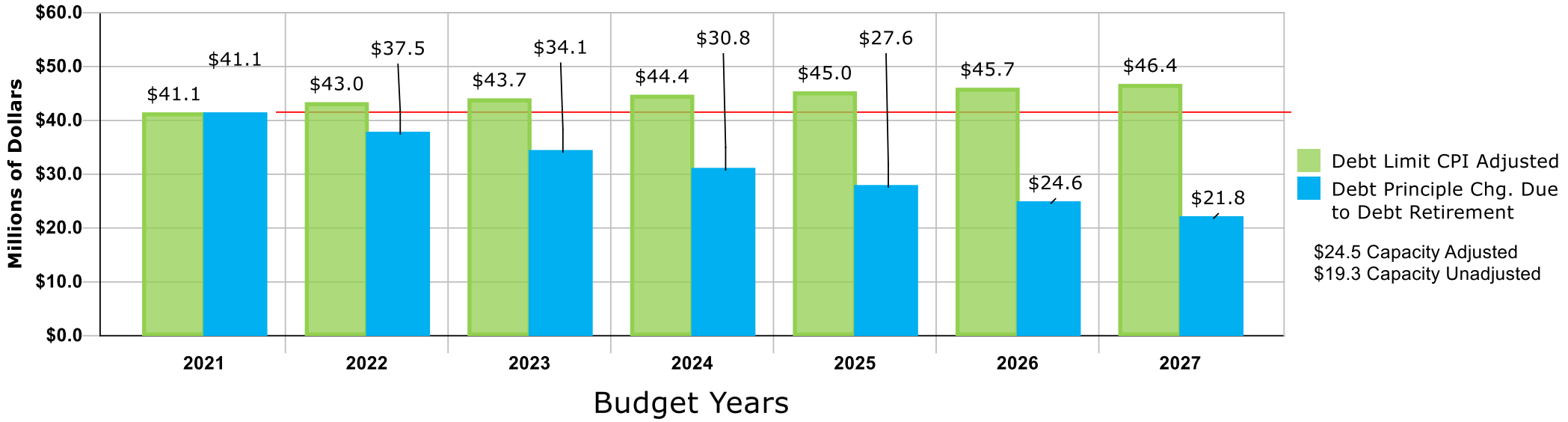
REVISED POLICY-GEN. FUND

- Base line debt ceiling set at the 2021 amount $41,159,000

General Fund			
FY	Principle	Interest	Total
2016	$48,192,630	$14,634,472	$62,827,102
2017	$47,110,673	$13,672,130	$60,782,803
2018	$45,323,622	$12,676,115	$57,999,737
2019	$43,550,175	$11,694,827	$55,245,001
2020	$41,651,172	$10,698,317	$52,349,489
2021	$41,159,000	$9,959,992	$51,118,992

- Adjusted annually by growth in the economy based on the CPI year over year from June to June

General Fund Debt Management Plan



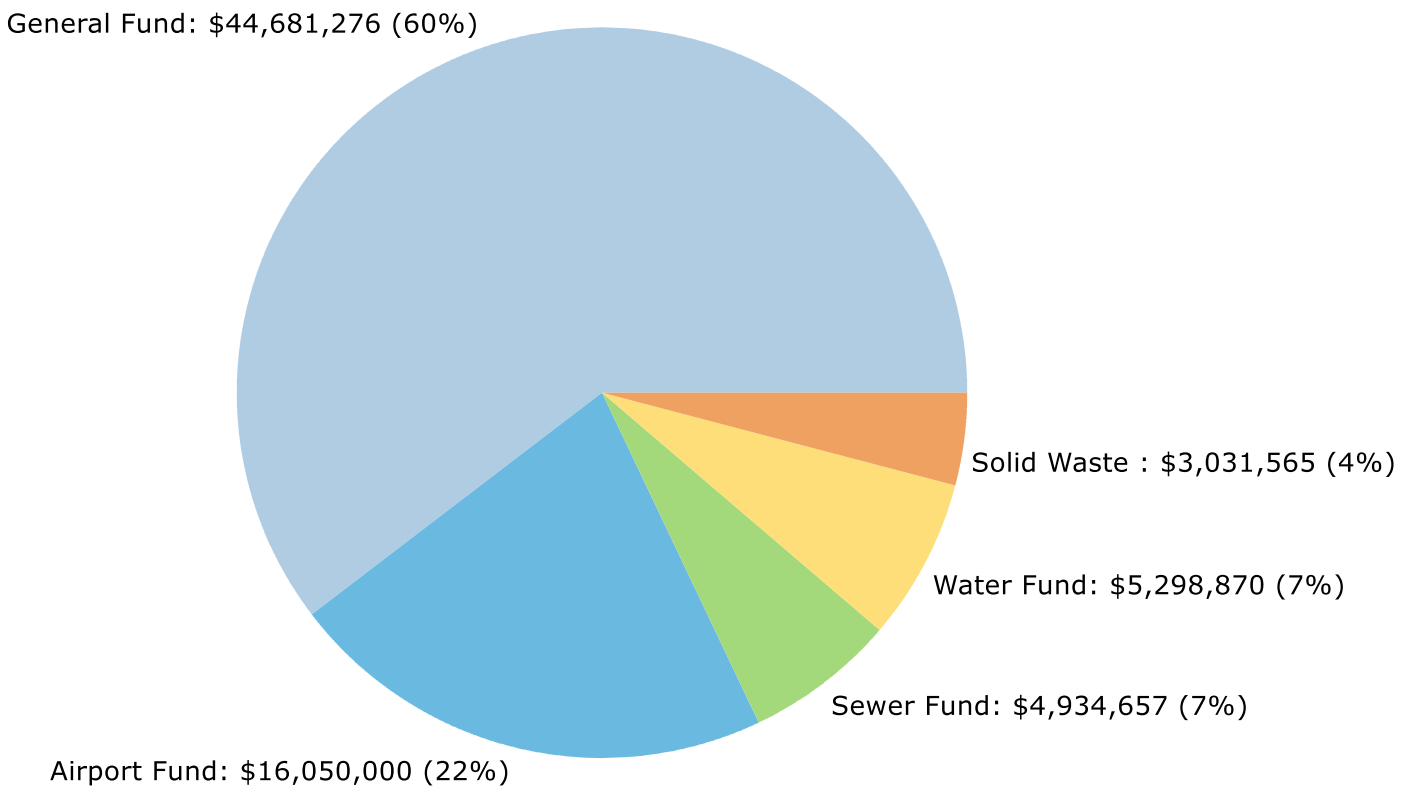
*NOTE: The Debt Limit CPI Adjusted will be adjusted by the actual average CPI ending on June 30th of each year with a 12 month look back. This chart uses a CPI of 4.6% for 2021 and an average CPI of 1.5% for the subsequent years which is the average CPI change from year over year from 2016 to 2020..

ROLLING 6 -YEAR PERIOD

- The debt ceiling is calculated on a rolling six-year period based upon the CIP.

- Debt attributable and paid by Tax Increment Finance Districts or Special Assessment Districts is not included in the debt ceiling
- Large projects that cause exceedance of the debt ceiling would freeze incurring debt until the amount owed was below the ceiling.

CIP Breakdown by Fund



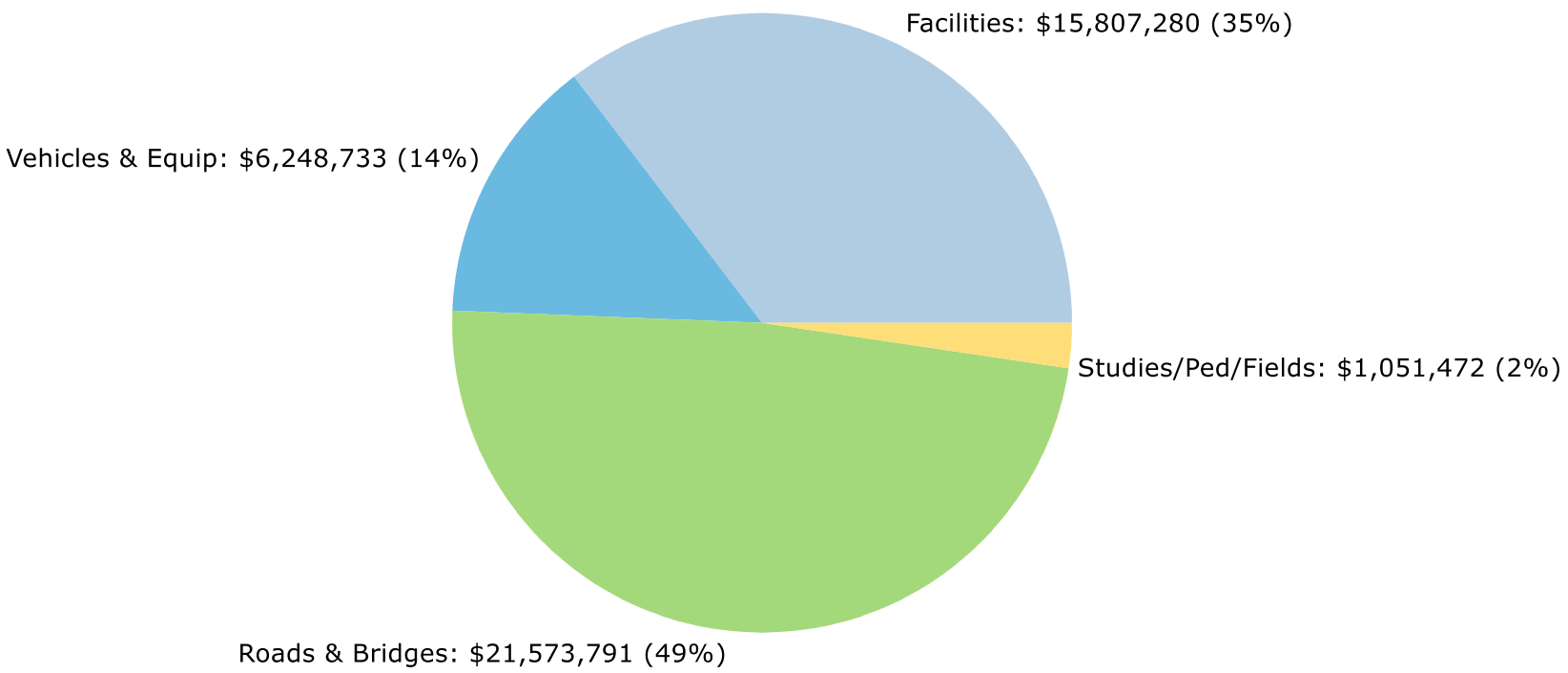
Long Term Plan-General Fund

- 6 Year Capital Improvements Plan
- Debt Load Stabilization Plan
  - Leveling of the General Fund Debt.
  - Limit new debt to the amount of debt being retired over the 6 Year period + CPI growth factor
- Facilities
- Streets and Bridges
- Vehicles and Equipment

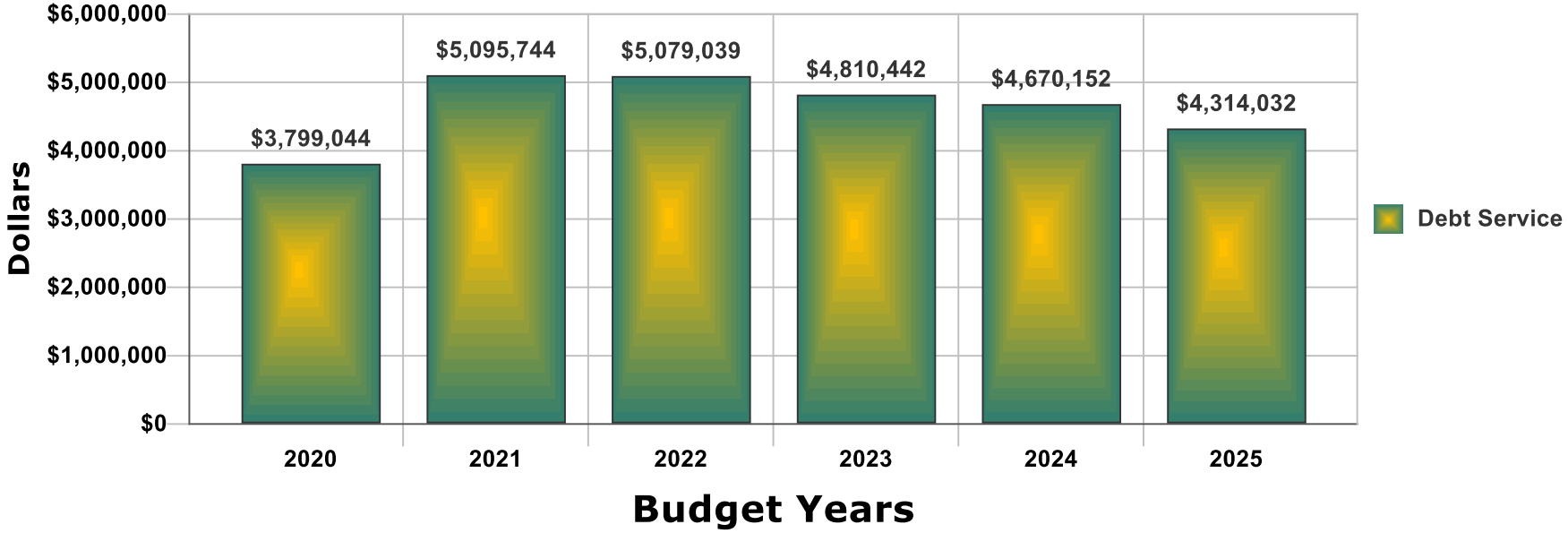
What's Missing?

- Second Fire Station Replacement
- Community Center Project
- Athletic Fields
- Westboro Yard/Trail Improvements
- City Hall Upgrades
- Police Station Renovation/Expansion
- Hanover St. Improvements
- Downtown Roadway Reconfiguration
- Climate Action Plan
- Sidewalk Extension Plan

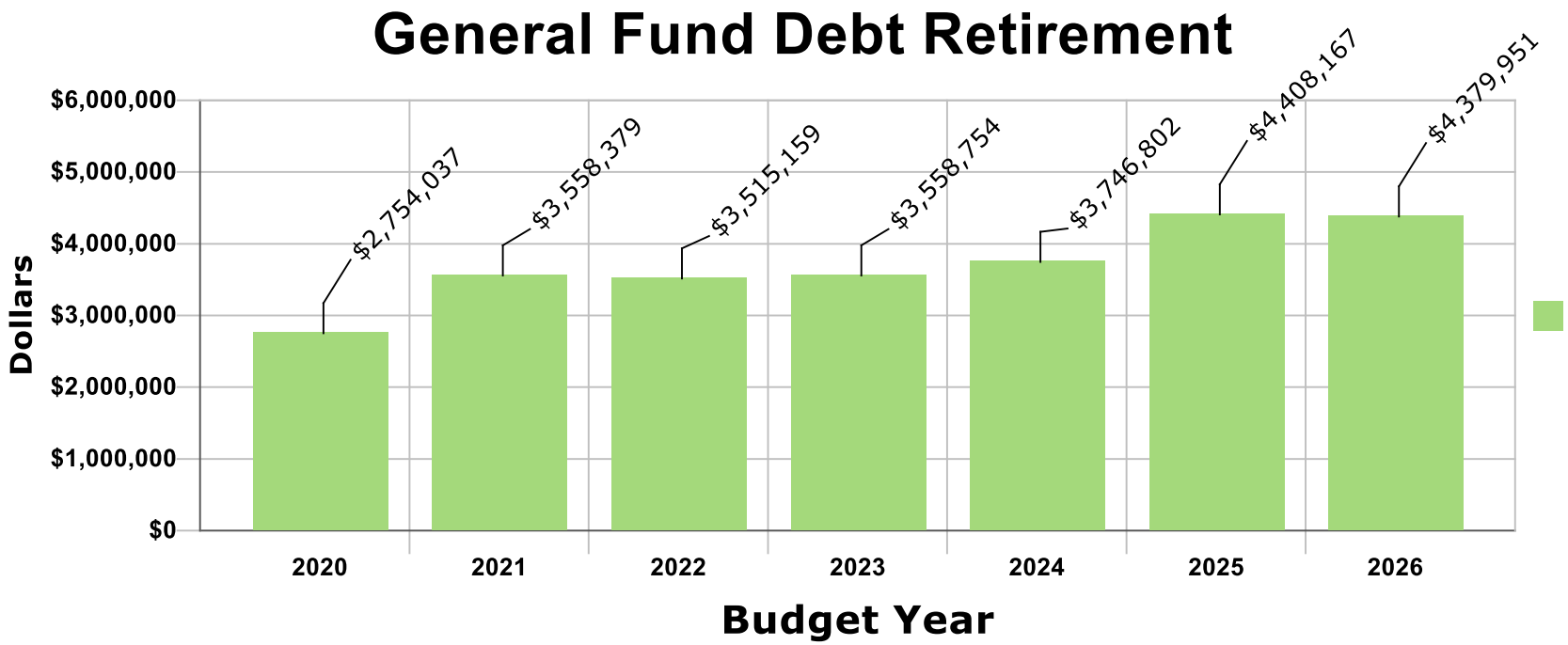
General Fund CIP Functional Areas



General Fund Debt Service



*Includes existing projects and projects in the CIP.



This chart represents the amount of principal retired from the City's General Fund Debt load

Long Term Plan-Sewer Fund

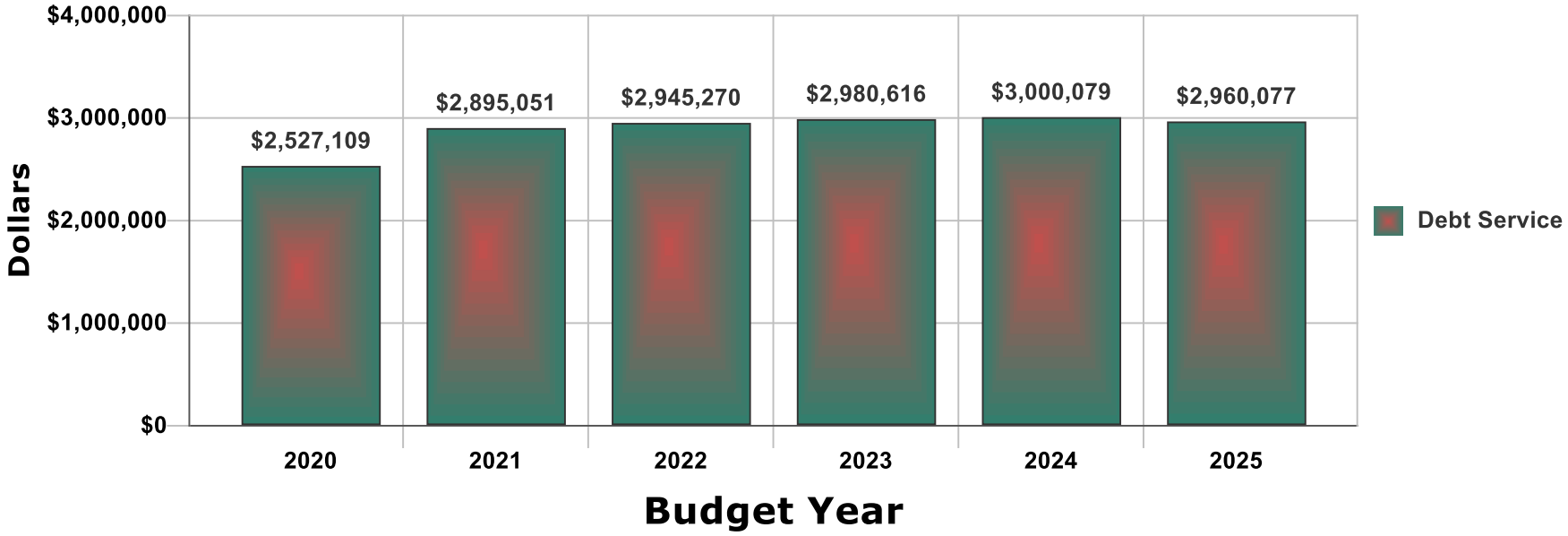
SEWER COLLECTION SYSTEM REHABILITATION

SEWER INTERCEPTOR REHABILITATION

WWTF UPGRADES

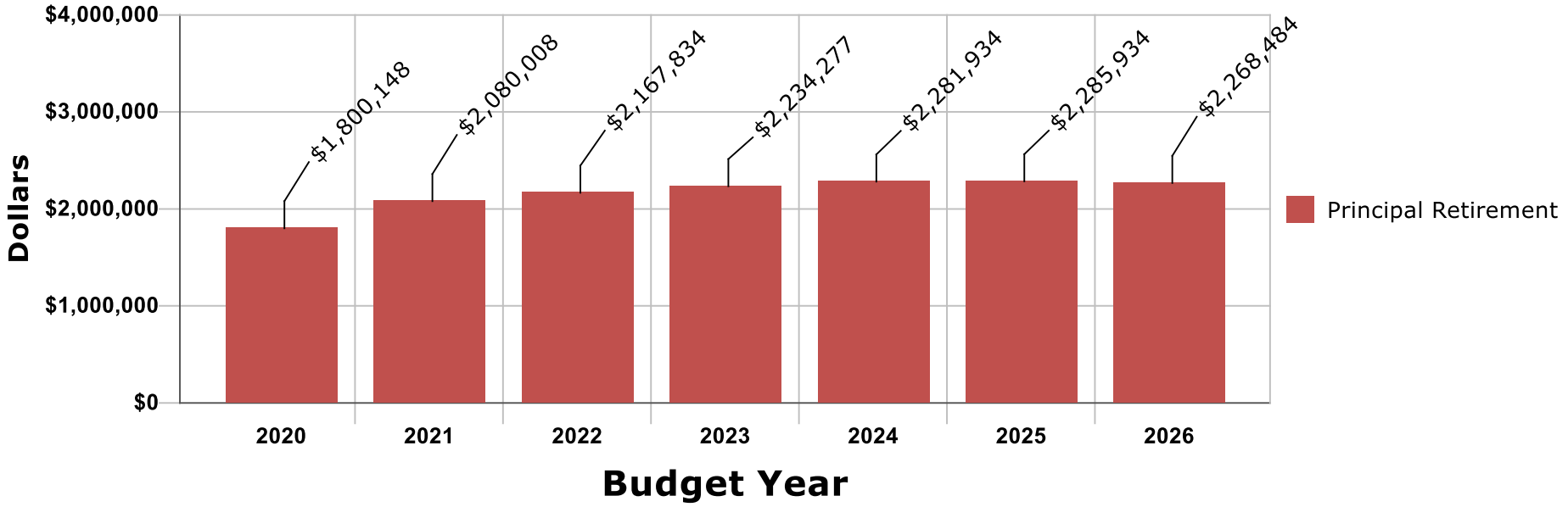
VEHICLE & EQUIPMENT REPLACEMENT

Sewer Fund Debt. Service



*Includes existing approved projects and projects in the CIP

Sewer Fund Debt Retirement



This chart depicts the debt principal retired in each budget year.

Long Term Plan-Water Fund

Secondary Water Supply

Distribution System Improvements

- Mack Ave. Project
- Kimball St./Forest Ave. Project
- Mechanic St. water line rehabilitation
- Gate Valves and Fire Hydrants

What's Missing?

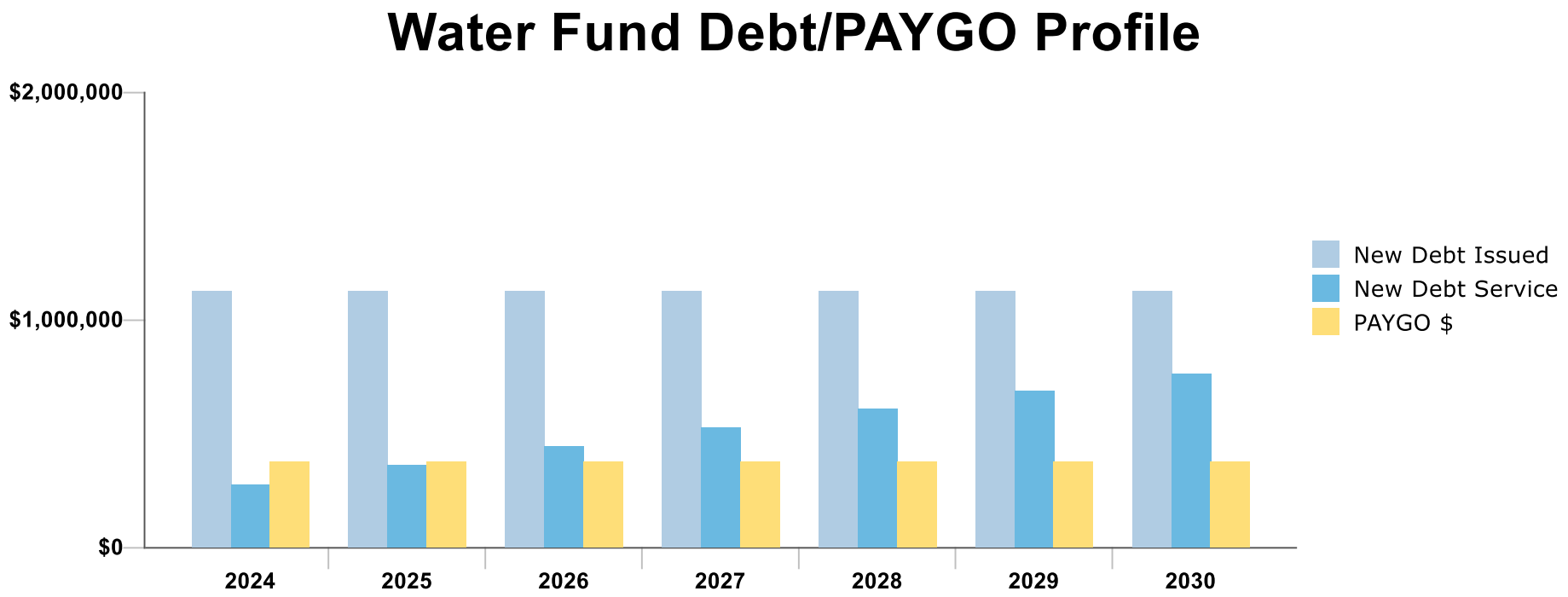
- Second Water Source/New Well
- Mechanic St. Water Main lining
- Lake View Dr. Water Main Replacement
- Hanover St. Water Main Replacement
- Richardson Place Water Main Replacement
- Gould Rd. Water Main Replacement
- Water Main from WTP to Prospect Hill Water Tank Replacement
- Water Main from Forest Ave. to Prospect Hill Water Tank

WATER FUND DEBT MANAGEMENT PLAN STARTING IN 2024

The recently approved debt management structure includes a fixed component annual increase of 5% and a variable component added to that based upon the % increase of the CPI (starting in January of 2024)

After accounting for the increase in operating expenses, the additional revenue generated would pay for increases in debt service which determines the amount that can be borrowed for infrastructure improvement projects

2024 RATE PROGRAM-FIXED 5%+CPI VARIABLE MAX OF 8%



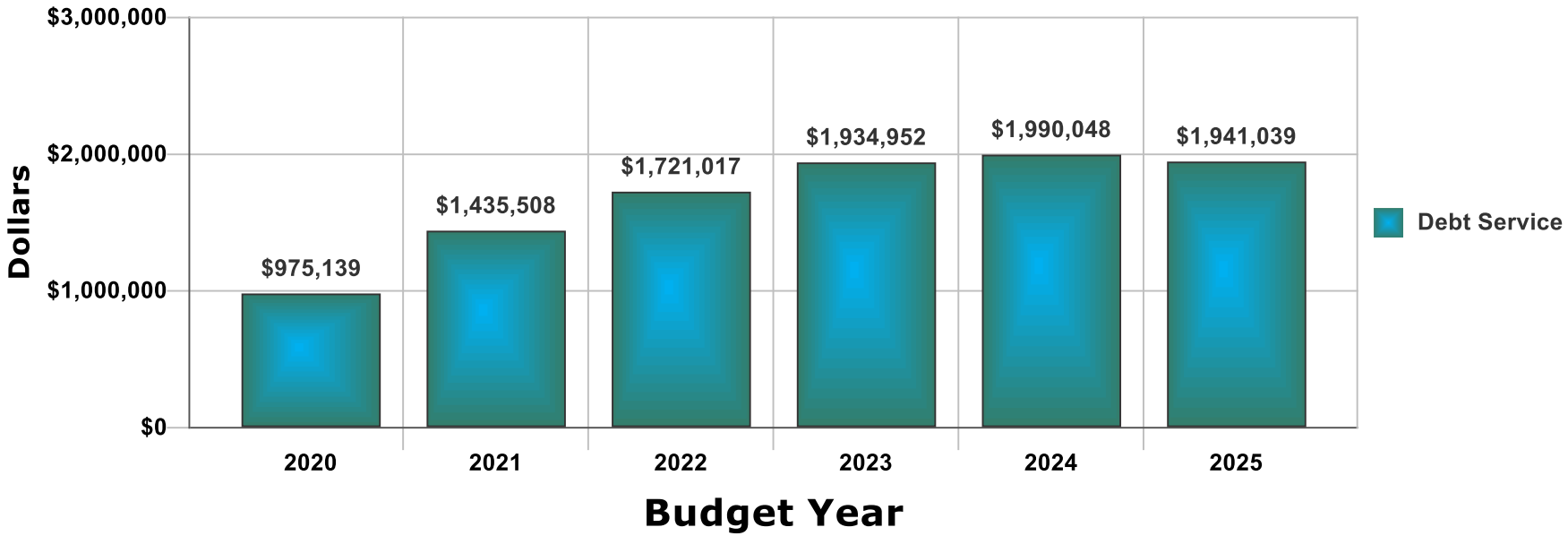
Option 2-Quartely Customer Class Water Bills												
	Ccf	*Meter*	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
	Residential											
	0	5/8"	$18.32	$19.79	$21.37	$22.76	$24.24	$25.82	$27.50	$29.29	$31.19	$33.22
	7	5/8"	$42.75	$46.18	$49.86	$53.07	$56.51	$60.19	$64.11	$68.28	$72.70	$77.46
	9	5/8"	$49.73	$53.72	$58.00	$61.73	$65.73	$70.01	$74.57	$79.42	$84.56	$90.10
	12	5/8"	$60.20	$65.03	$70.21	$74.72	$79.56	$84.74	$90.26	$96.13	$102.35	$109.06
	18	5/8"	$102.08	$110.27	$119.05	$126.74	$134.94	$143.72	$153.08	$163.03	$173.57	$184.90
	Non-Residential											
	12	5/8"	$81.20	$87.71	$94.69	$100.88	$107.40	$114.38	$121.82	$129.73	$138.11	$147.10
	25	3/4"	$189.55	$204.73	$221.04	$235.48	$250.71	$266.99	$284.35	$302.81	$322.39	$373.37
	200	2"	$1,301.59	$1,405.66	$1,517.55	$1,616.76	$1,721.22	$1,833.01	$1,952.22	$2,078.95	$2,213.25	$2,357.28
	1000	4"	$7,772.70	$8,500.29	$9,177.51	$9,776.90	$10,409.25	$11,085.40	$11,806.25	$12,572.76	$13,385.94	$14,256.88

PROJECTED RATE INCREASE 2024

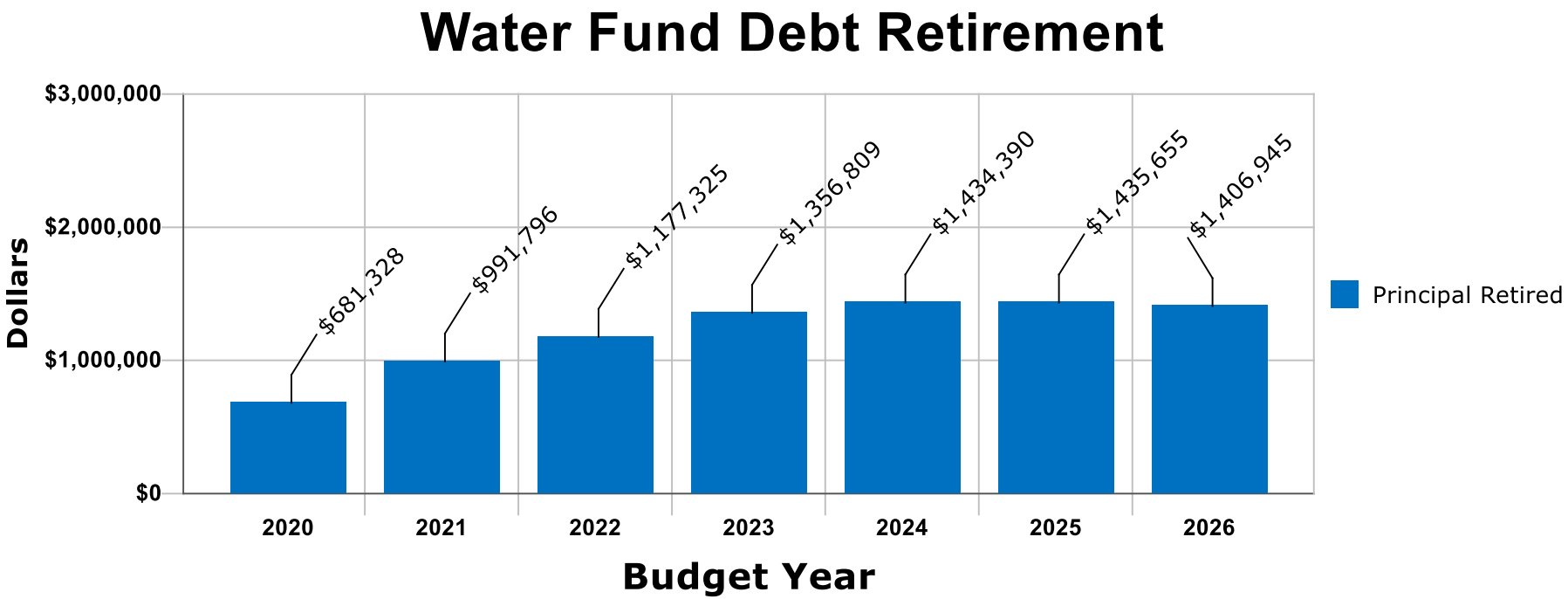
5% Rate Increase +CPI Variable (1.5% est.) = 6.5% Rate Increase for 2024

Rate Increases for 2022 and 2023 are programmed for 8% each year to meet the existing debt service requirements.

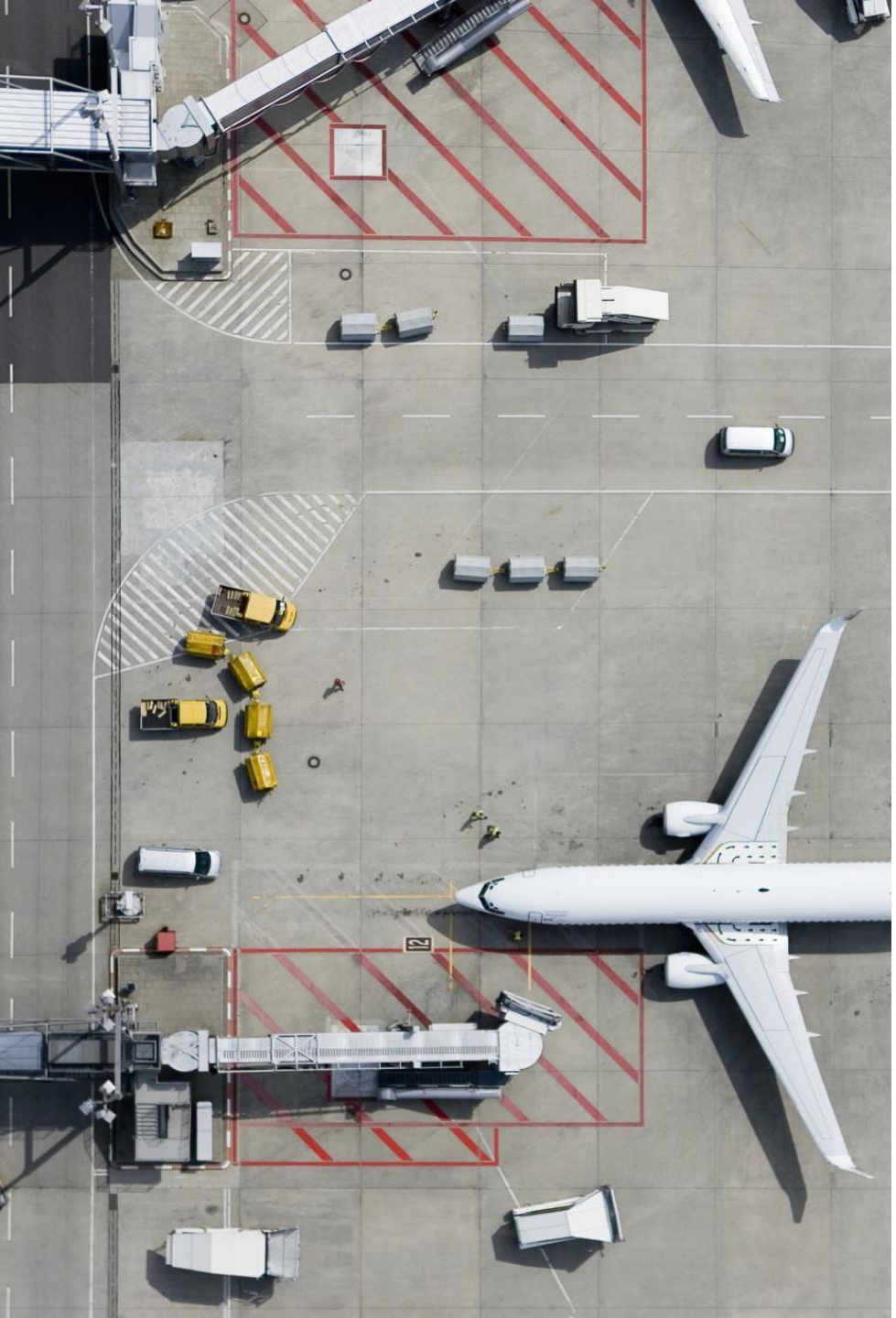
Water Fund Debt. Service



*Includes existing approved projects and projects in the CIP.

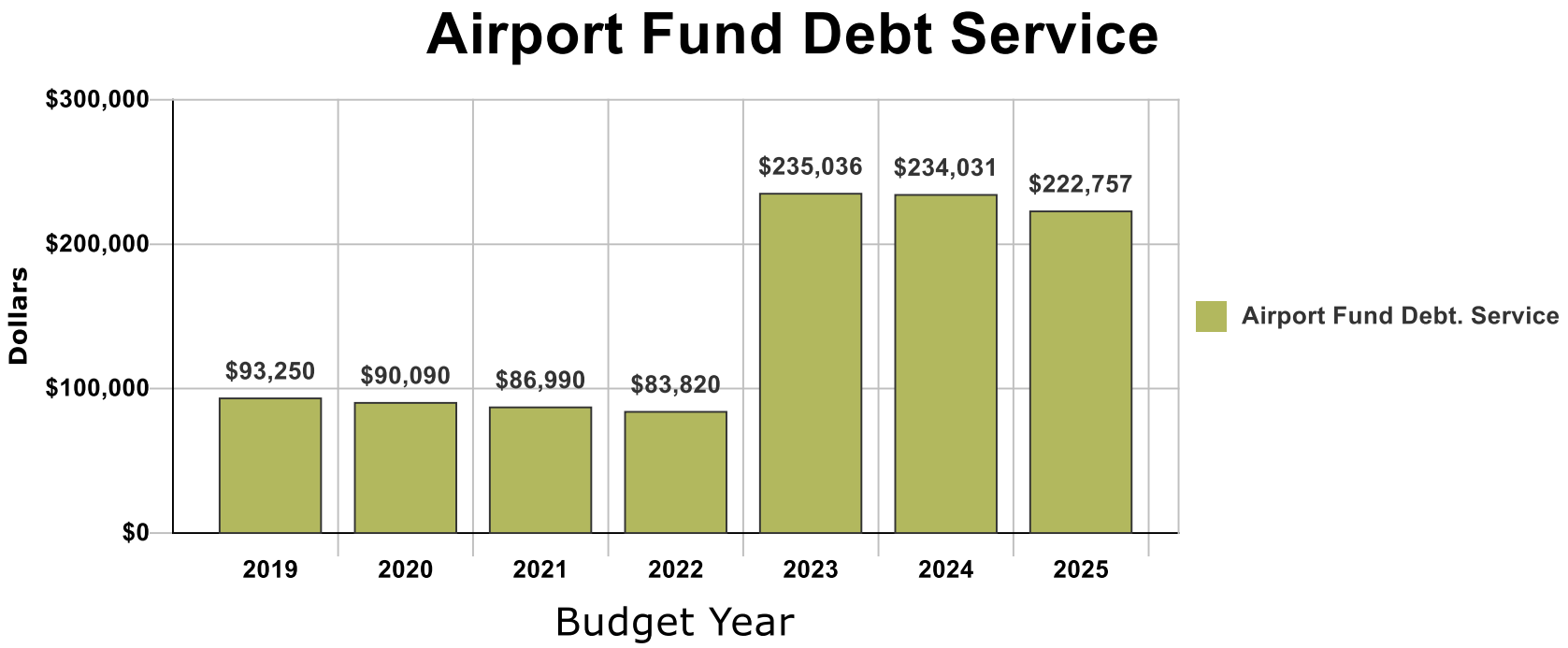


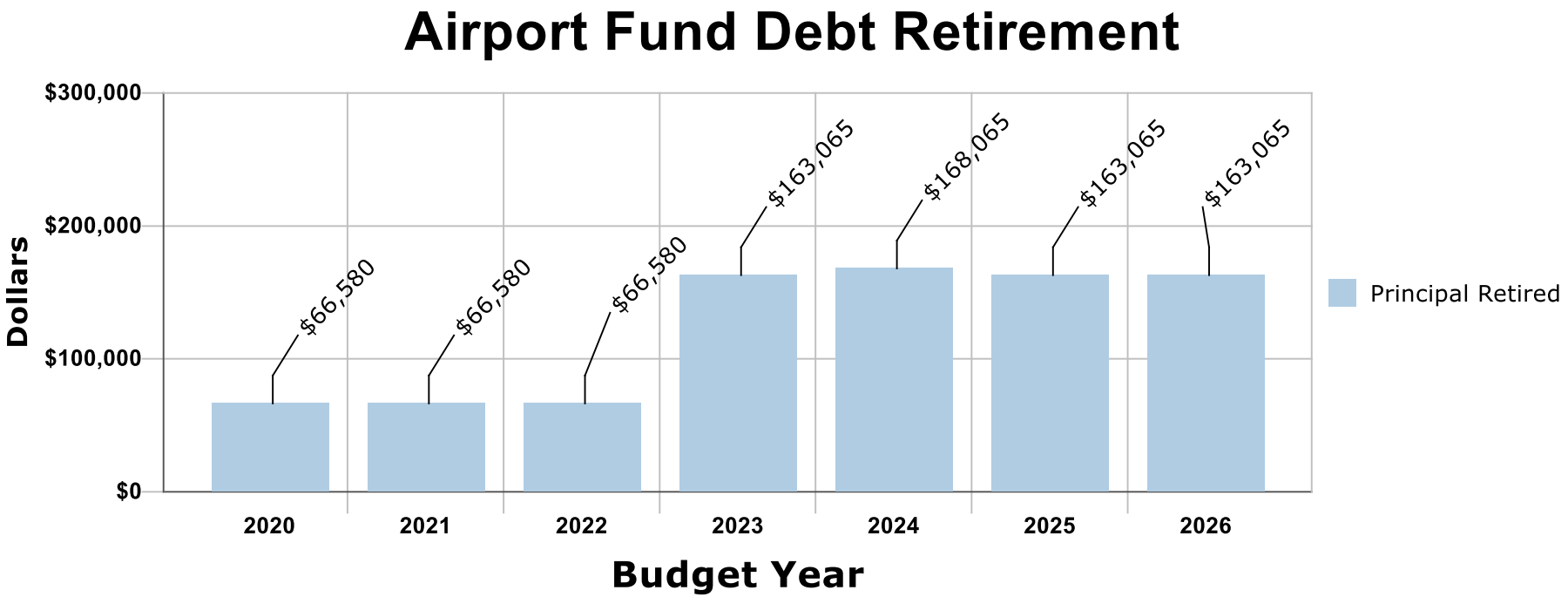
This chart represents the amount of debt principal retired in each budget year.



Long Term Plan-Airport Fund

- Runway Safety Improvements
- Terminal & Maintenance Bldg. Improvements


Airport Fund Debt Service
$300,000
$200,000
$100,000
$0
Dollars
$93,250
$90,090
$86,990
$83,820
$235,036
$234,031
$222,757
2019
2020
2021
2022
2023
2024
2025
Budget Year
Airport Fund Debt. Service



The chart depicts the debt principal retired in each budget year.

Long Term Plan-Solid Waste

- PHASE 3 AND PHASE 4 EXPANSION
- EXPANSION OF THE GAS COLLECTION SYSTEM
- EQUIPMENT REPLACEMENT PLAN
- PFAS REMEDIATION PLAN

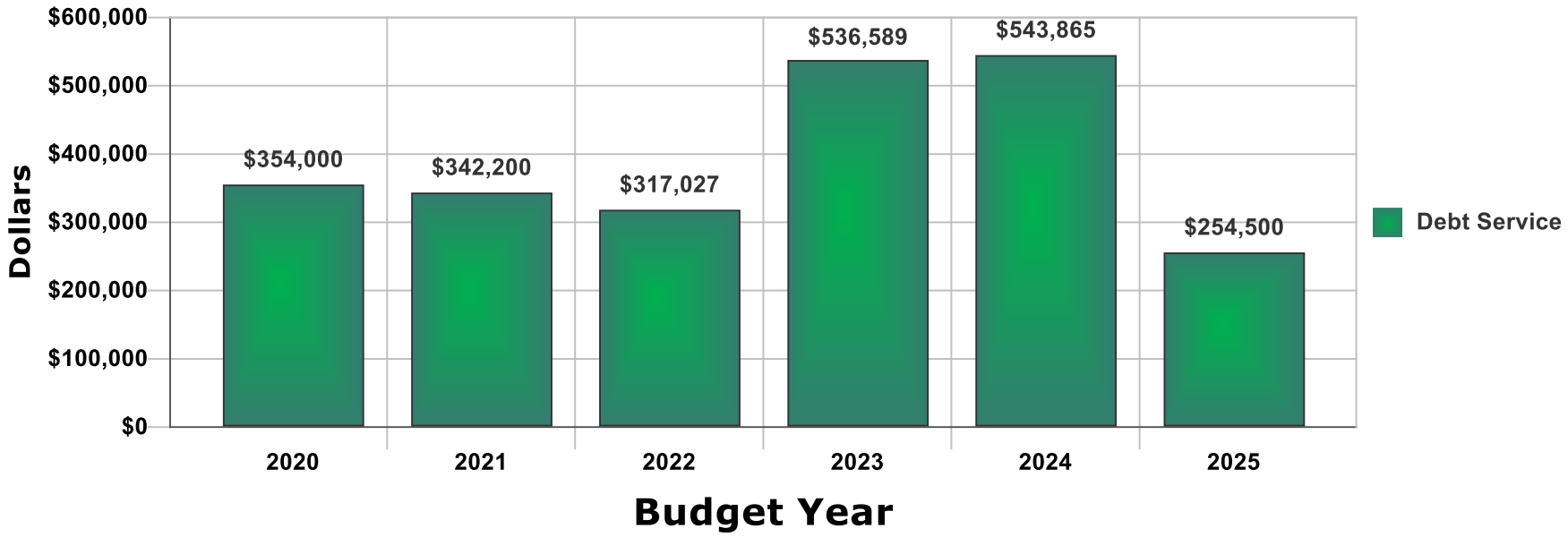
SOLID WASTE FUND

Debt limits are based upon the present and future capacity of the Solid Waste Facility to accept waste and generate the revenue from that waste to pay for operating expenses and debt service payments for the ensuing year and beyond.

The period by which indebtedness may occur for any given project is limited to the useful life of the infrastructure asset.

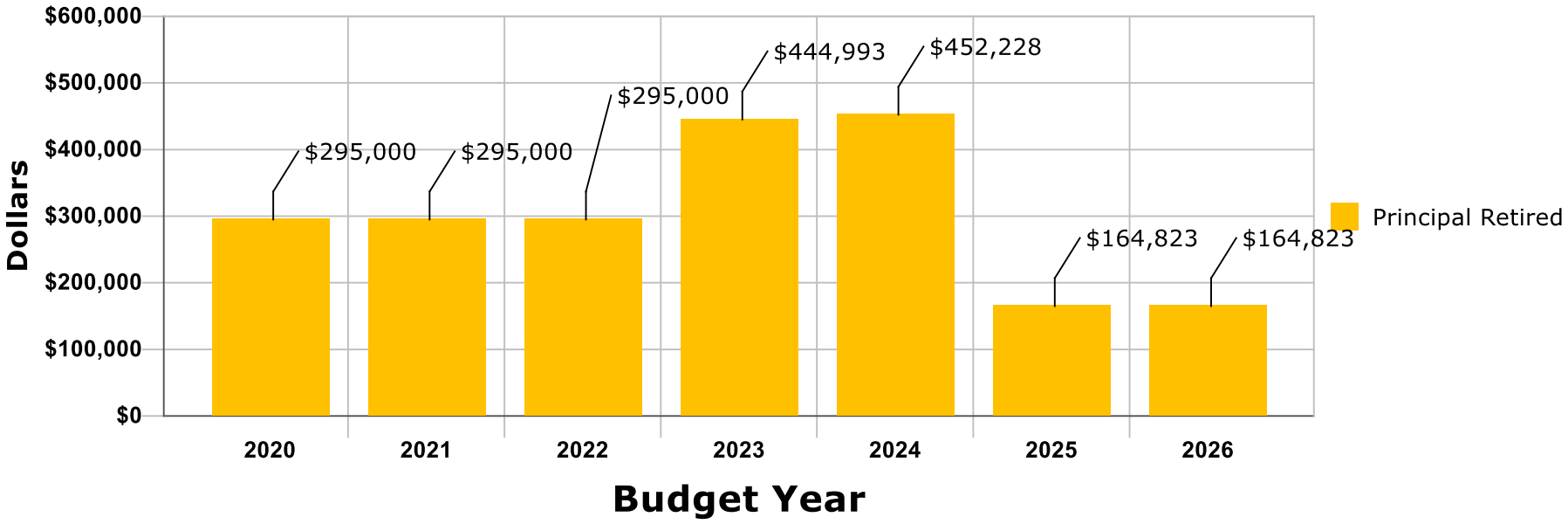
Situations where the state or federal government mandate by administrative or court order that action must be taken by the City that requires long term debt may require borrowing funds for periods beyond the useful life of the asset.

Solid Waste Fund Debt Service

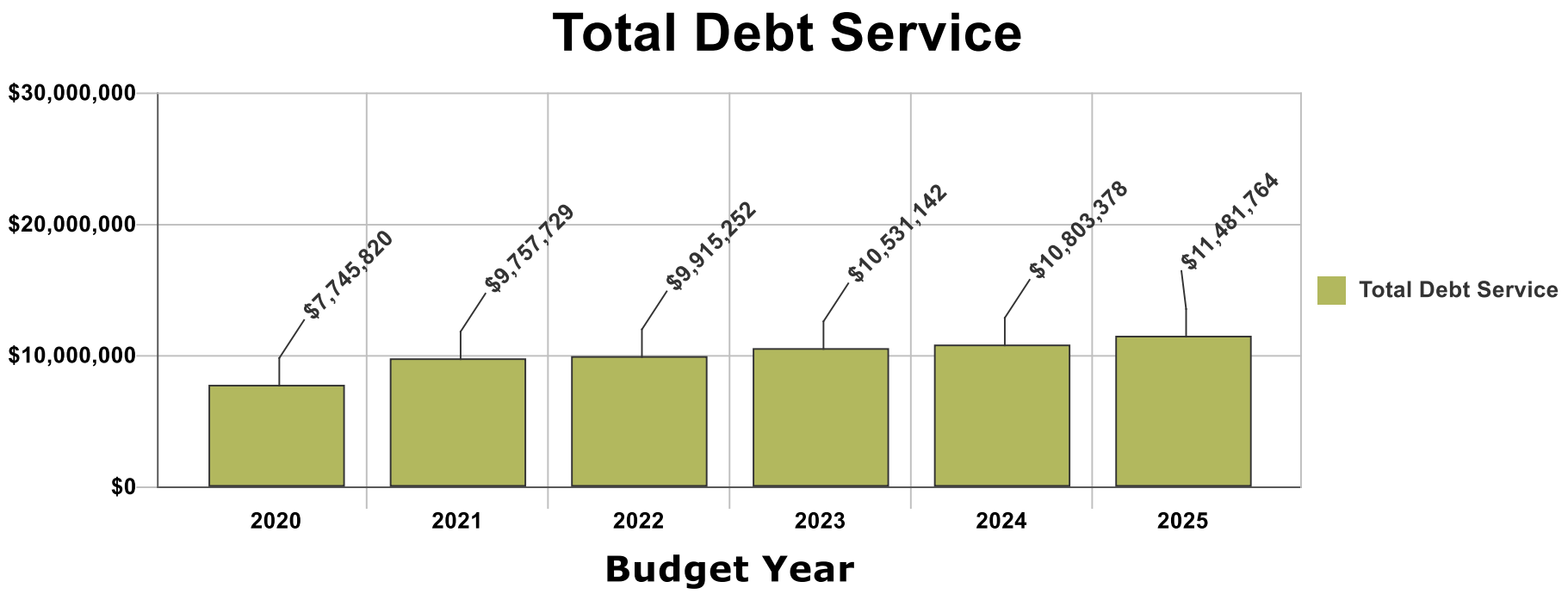


*Includes existing approved projects and projects in the CIP

Solid Waste Fund Debt Retirement



This chart depicts the debt principal retired in each budget year.



*Includes existing projects and projects in the CIP.

CAPITAL IMPROVEMENTS PROGRAM

-AND-

OTHER CAPITAL PROJECTS

2022-2027

OVERVIEW OF THE 2022-2027 CAPITAL IMPROVEMENTS PROGRAM

GENERAL

A six-year Capital Improvements Program (CIP) is developed and updated annually. The following pages contain the City of Lebanon's 2022-2027 CIP and other capital projects.

In reviewing the CIP, it should be kept in mind that it is one of the community's most important physical and financial planning tools. Proposals set forth in this CIP and succeeding CIPs influence the standard of facilities and services the City of Lebanon provides its citizens in the future. As such, careful analysis and evaluation is necessary if it is to serve as a rational planning guideline for necessary community improvements. It should be noted that no formal action is required by the City Council on financing for years two through six of the CIP (2023-2027); only year one (2022) will be considered as part of the approval process of the 2022 Budget by the City Council.

This 2022-2027 Capital Improvements Program is an essential component of the City's financial planning effort and provides the long-range perspective and framework for addressing its capital improvements needs. As a companion to the annual budget, the CIP provides the mechanism for anticipating future facility and infrastructure requirements and ensuring that they are funded in a responsible and systematic fashion. The cost of individual projects is based on the best estimates available at the time this plan was prepared; actual project costs are a function of detailed study by architects and engineers.

LEGAL BASIS FOR CAPITAL PROGRAMMING

The 2022-2027 CIP is prepared pursuant to RSA Chapter 674:5 - 674:8, which in summary, grants to the City Council, as the City's legislative body, the authority to authorize the Planning Board to prepare and amend a recommended Capital Improvements Program for submission to the City Council to assist in its consideration of the annual budget.

***674:5 Authorization**. – In a municipality where the planning board has adopted a master plan, the local legislative body may authorize the planning board to prepare and amend a recommended program of municipal capital improvement projects projected over a period of at least 6 years. As an alternative, the legislative body may authorize the governing body of a municipality to appoint a capital improvement program committee, which shall include at least one member of the planning board and may include but not be limited to other members of the planning board, the budget committee, or the town or city governing body, to prepare and amend a recommended program of municipal capital improvement projects projected over a period of at least 6 years. The capital improvements program may encompass major projects being currently undertaken or future projects to be undertaken with federal, state, county and other public funds. The sole purpose and effect of the capital improvements program shall be to aid the mayor or selectmen and the budget committee in their consideration of the annual budget.*
-- Source. 1983, 447:1. 2002, 90:1, eff. July 2, 2002.

***674:6 Purpose and Description**. – The capital improvements program shall classify projects according to the urgency and need for realization and shall recommend a time sequence for their implementation. The program may also contain the estimated cost of each project and indicate probable operating and maintenance costs and probable revenues, if any, as well as existing sources of funds or the need for additional sources of funds for the implementation and operation*

of each project. The program shall be based on information submitted by the departments and agencies of the municipality and shall take into account public facility needs indicated by the prospective development shown in the master plan of the municipality or as permitted by other municipal land use controls.
-- Source. 1983, 447:1, eff. Jan. 1, 1984.

***674:7 Preparation**. –*
I. In preparing the capital improvements program, the planning board or the capital improvement program committee shall confer, in a manner deemed appropriate by the board or the committee, with the mayor or the board of selectmen, or the chief fiscal officer, the budget committee, other municipal officials and agencies, the school board or boards, and shall review the recommendations of the master plan in relation to the proposed capital improvements program.
II. Whenever the planning board or the capital improvement program committee is authorized and directed to prepare a capital improvements program, every municipal department, authority or agency, and every affected school district board, department or agency, shall, upon request of the planning board or the capital improvement program committee, transmit to the board or committee a statement of all capital projects it proposes to undertake during the term of the program. The planning board or the capital improvement program committee shall study each proposed capital project, and shall advise and make recommendations to the department, authority, agency, or school district board, department or agency, concerning the relation of its project to the capital improvements program being prepared.
-- Source. 1983, 447:1. 1995, 43:1. 2002, 90:2, eff. July 2, 2002.

***674:8 Consideration by Mayor and Budget Committee**. – Whenever the planning board or the capital improvement program committee has prepared a capital improvements program under RSA 674:7, it shall submit its recommendations for the current year to the mayor or selectmen and the budget committee, if one exists, for consideration as part of the annual budget.*
-- Source. 1983, 447:1. 2002, 90:3, eff. July 2, 2002.

CAPITAL IMPROVEMENT PROGRAM ITEMS

For the purpose of the Capital Improvements Program, Capital Improvement Program Items (CIP Items) will be those items that pertain to planning and land use within the City only. CIP Items include:

a) Any Physical Public Betterment and studies relative thereto;
b) Acquisition of land;
c) Construction of new buildings and facilities with an estimated value in excess of $50,000;
d) Facilities engineering design and other pre-construction costs in excess of $50,000, unless such costs are part of a project that does not result in more capacity for growth;
e) Major planning-related studies and analysis requiring utilization of independent professional consultants in excess of $25,000;
f) Reconstruction of existing facilities resulting in more capacity for City growth.

Capital items that are operational in scope, vehicles for example, are not considered to be CIP Items.

A ***Physical Public Betterment*** shall mean any new use of land or infrastructure that is for the benefit of the community. Excluded from this definition are operational maintenance and improvements accruing a benefit to the community, which do not increase capacity for growth, for example resurfacing a road, fixing a sidewalk, and other in-kind repairs.

PLANNING BOARD CAPITAL IMPROVEMENT COMMITTEE

The Planning Board Capital Improvement Program Committee is the body appointed by the Planning Board to develop the CIP. The Planning Board may elect to have a committee with non-members so long as the Board represents more than 50% of the committee membership. It is the Committee's responsibility to review, evaluate, rank, and revise the Capital Improvement Project List as presented by the Administration, with a view toward ensuring that proposed projects are compatible and complementary with the Master Plan.

REVIEW OF THE CIP

The CIP is drafted and reviewed according to the Capital Improvement Program Policy and Procedures document adopted by the Lebanon Planning Board on September 22, 2003 and revised on January 28, 2019. The procedure begins in February when the Planning Board evaluates the prior years' adopted Capital Budget and initiates the preliminary CIP Project List for the coming year and makes recommendations relevant to the CIP. In April, the Planning Department distributes the preliminary CIP Project List and other materials to the departments and instructs them to prepare the description and documentation for each of the proposed projects for return to the Planning Department in May. In June, the Planning and Finance Departments and the City Manager review the submissions from the departments to analyze fiscal capacity and financial programming for the projects and submit the draft CIP to the Planning Board Capital Improvement Program Committee for evaluation in July. By August, the Committee shall submit the CIP to the full Planning Board with its recommendations. After review, the Planning Board shall adopt the CIP Project List and submit its recommendations along with the CIP to the City Council through the City Manager. A copy of the adopted CIP is also filed with the NH Office of Strategic Initiatives in accordance with RSA 675:9.

SCHOOL DISTRICT CIP

The Lebanon School District provided the City with a copy of its Draft Facilities Improvements Plan for 2022-2027. With this information, the City can review proposed City capital expenditures along with proposed School District capital expenditures in order to better understand and evaluate the total impact on the community and to help maintain a level tax rate for the citizens of Lebanon.

ORGANIZATION OF THIS DOCUMENT

This document is organized into just one part, which lists all of the proposed Capital Improvements Program items and Other Capital Projects for review. Proposed projects that meet the City's definition of a Capital Improvement Program Item are listed in **red** in the Table of Contents.

FINANCIAL ANALYSIS

This Overview concludes with a summary of all projects. The City's Finance Department will estimate the impacts of individual projects in terms of Operating Costs, Debt Service, and Tax Rate Impacts, where appropriate, as the CIP moves through the review process.

Department	Project Name	2022	Bonds/Note Proceeds/Debt	Existing Funds from CRF	Transfers to CIP	Other (SAD, sale proceeds, DHMC PILOT, etc)	Inter-governmental Grants
	AIRPORT FUND						
AIR	Runway Safety Area Improvements_18-36	$1,775,000	$0	$0	$90,000	$0	$1,685,000
	TOTAL AIRPORT	**$1,775,000**	**$0**	**$0**	**$90,000**	**$0**	**$1,685,000**
	GENERAL FUND						
FACILITIES							
DPW	Property Acquisition - Mascoma Street	$235,000	$235,000	$0	$0	$0	$0
FLEET & EQUIPMENT							
FIRE	Ambulance Replacements	$380,000	$0	$235,000	$0	$145,000	$0
DPW	Fleet and Equipment Replacement	$396,700	$0	$0	$396,700		$0
ROADS & BRIDGES							
DPW	Trues Brook Road Bridge Replacement #066-059	$3,200,000	$887,950	$0	$0	$0	$2,312,050
DPW	Kimball Street Infrastructure Improvements - Road, SW, Curb-	$1,150,000	$1,150,000	$0	$0	$0	$0
DPW	Mack Avenue Infrastructure Improvements - Road, SW, Curb-	$80,000	$80,000	$0	$0	$0	$0
DPW	Forest Avenue Reconstruction	$60,000	$60,000	$0	$0	$0	$0
DPW	Roadway Improvements-Miracle Mile SRF	$900,000	$900,000	$0	$0	$0	$0
PLN	West Lebanon Capital Improvements	$200,000	$200,000	$0	$0	$0	$0
PLANS & STUDIES							
PLN	Lebanon Complete Streets/Multi-Modal Plan -Phase 2	$20,000	$0	$0	$20,000	$0	$0
	TOTAL GENERAL FUND	**$6,621,700**	**$3,512,950**	**$235,000**	**$416,700**	**$145,000**	**$2,312,050**
	WATER FUND						
DPW-WATER	Fleet and Equipment Replacement	$42,440	$0	$42,440	$0	$0	$0
DPW-WATER	Kimball Street Infrastructure Improvements - Water (SRF)	$862,500	$862,500	$0	$0	$0	$0
DPW-WATER	Mack Avenue Infrastructure Improvements - Water (SRF)	$60,000	$60,000	$0	$0	$0	$0
DPW-WATER	Forest Avenue Reconstruction (SRF)	$45,000	$45,000	$0	$0	$0	$0
DPW-WATER	Water System Improvements-Mechanic St SRF	$300,000	$300,000	$0	$0	$0	$0
DPW-WATER	Water System Improvements-Miracle Mile SRF	$1,800,000	$1,800,000	$0	$0	$0	$0
	TOTAL WATER FUND	**$3,109,940**	**$3,067,500**	**$42,440**	**$0**	**$0**	**$0**
	SEWER FUND						
DPW-SEWER	Fleet and Equipment Replacement	$127,310	$0	$127,310	$0	$0	$0
DPW-SEWER	Kimball Street Infrastructure Improvements - Sewer	$862,500	$862,500	$0	$0	$0	$0
DPW-SEWER	Mack Avenue Infrastructure Improvements - Sewer	$60,000	$60,000	$0	$0	$0	$0
DPW-SEWER	Forest Avenue Reconstruction (SRF)	$45,000	$45,000	$0	$0	$0	$0
	TOTAL SEWER FUND	**$1,094,810**	**$967,500**	**$127,310**	**$0**	**$0**	**$0**
	SOLID WASTE FUND						
DPW-SOLID	Landfill Tarp Machine Replacement	$100,000	$0	$100,000	$0	$0	$0
DPW-SOLID	Landfill Gas Collection & Control System	$137,800	$137,800	$0	$0	$0	$0
DPW-SOLID	Landfill Gas Utilization Project	$1,362,060	$1,362,060	$0	$0	$0	$0
	TOTAL SOLID WASTE FUND	**$1,599,860**	**$1,499,860**	**$100,000**	**$0**	**$0**	**$0**
	TOTAL CITY CAPITAL IMPROVEMENTS PROGRAM	**$14,201,310**	**$9,047,810**	**$504,750**	**$506,700**	**$145,000**	**$3,997,050**

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #1

This form includes basic information for each department project request. It must be completed for each project whether for a **NEW PROJECT**, a **MODIFICATION OF AN EXISTING PROJECT**, **CONTINUATION OF AN ON-GOING PROJECT**, or **CANCELLATION OF A PREVIOUSLY APPROVED PROJECT**.

See accompanying instructions.

1. DEPARTMENT: Airport

2. PROJECT TITLE & NUMBER: 2022 Runway Safety Project – Easement Acquisition. Design Taxiways and Runway 36 extension. Design localizer relocation and perform land survey.

3. PURPOSE OF PROJECT REQUEST FORM: Bring airport into compliance with current FAA design standards and remove existing 'Hot Spots'.

4. DEPARTMENT PRIORITY: Mandatory. This project will correct the existing facilities to meet current FAA design standards. The airport is completing an updated Airport Layout Plan to reflect current design standards (AIP-059). An Environmental Assessment is underway along with an FAA study on the feasibility of relocation the existing localizer.

5. LOCATION: Airport property – Runway 36, Taxiway A, and FAA localizer.

6. PROJECT DESCRIPTION/JUSTIFICATION: In 2022, the project will provide engineering services for the airport safety project. The services include the design of the Runway 36 extension, design of Taxiway A extension, and design of Taxiway A1 and A2 relocation. This will remove direct access from aprons to the runway and provide a full parallel taxiway to the runway.

The project will also fund a Reimbursable Agreement with FAA to design the relocation the airport localizer. The localizer provides an electronic signal to align a plane with the centerline of the runway for landing in inclement weather. The localizer is usually located at the end of the runway, however the LEB localizer is offset. Since the project shifts the runway and completes the parallel taxiway the glideslope will need to be relocated. The purpose of the agreement is to reimburse the Navaids Engineering Center of FAA for the design.

Project funding is expected to be as follows:

FAA=$1,595,000
NHDOT=$90,000
CITY=$90,000
TOTAL: $1,775,000

In 2023, the project will provide engineering services to design Taxiway A north extension and construction oversight of Taxiway A phase 1 and relocation of Taxiway A2 (to remove direct access from an apron to a runway).

The project will fund the construction of phase 1 of the Taxiway A extension to the south, relocation of taxiway A2, and relocate the FAA localizer to the south end of runway 36.

The project will fund a Reimbursable Agreement with FAA for construction services related to the relocation the airport localizer. Since the project starts construction of the parallel taxiway the localizer will need to be relocated as the current localizer location is in the way of the taxiway.

Project funding is expected to be as follows:

FAA=$4,615,000
NHDOT=$255,000
CITY=$255,000
TOTAL: $5,125,000

In 2024, the project will provide construction oversight of Taxiway A phase 2 and Runway 36 extension.

The project will fund the construction of phase 2 of the Taxiway A extension to the south, and the extension runway 36.

Project funding is expected to be as follows:

FAA=$3,730,000
NHDOT=$210,000
CITY=$210,000
TOTAL: $4,150,000

In 2025, the project will provide construction oversight of Taxiway A ‘North Extension, relocation of Taxiway A1, and removal of taxiways B1 and B2. and Runway 36 extension.

The project will fund the construction of Taxiway A ‘North Extension’, removal of Taxiways B1 and B2, and the relocation of Taxiway A1.

Project funding is expected to be as follows:

FAA=$1,285,000
NHDOT=$70,000
CITY=$70,000
TOTAL: $1,425,000

In 2026, the project will provide design and construction oversight of Taxiway A3 construction and Runway 7 threshold displacement.

The project will fund the construction of Taxiway A3 and the displacement of the Runway 7 threshold.

Project funding is expected to be as follows:

FAA=$675,000
NHDOT=$35,000
CITY=$1,165,000
TOTAL: $1,875,000

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #2: Runway Safety Project -18/36

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				**$1,675,000**	**$300,000**	**$0**	**$0**	**$0**	**$0**	$1,975,000
Construction/Implementation				**$0**	**$4,825,000**	**$4,150,000**	**$1,425,000**	**$1,875,000**	**$0**	$12,275,000
Property/Equipment Acquisition				**$100,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$100,000
			TOTAL	**$1,775,000**	**$5,125,000**	**$4,150,000**	**$1,425,000**	**$1,875,000**	**$0**	**$14,350,000**
FUNDING										
Current (Operating Budget)	Specify Fund:	Airport		**$90,000**	**$255,000**	**$210,000**	**$70,000**	**$0**	**$0**	$625,000
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Debt	Supported by:	Taxes	Gfund	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:	Water Rates	Wfund	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:	Sewer Rates	Sfund	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$1,165,000**	**$0**	$1,165,000
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Capital Reserve Fund	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Grants	Specify:	**NHDOT**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**FAA**		**$1,595,000**	**$4,615,000**	**$3,730,000**	**$1,285,000**	**$675,000**	**$0**	$11,900,000
	Specify:	**NHDOT Bureau of Aeronautics**		**$90,000**	**$255,000**	**$210,000**	**$70,000**	**$35,000**	**$0**	$660,000
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Existing Funds	Specify:	**Water Investment Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**____ Public Facilities Impact Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Other	Specify:	**____ Private Contributions**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
			TOTAL	**$1,775,000**	**$5,125,000**	**$4,150,000**	**$1,425,000**	**$1,875,000**	**$0**	**$14,350,000**

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. **DEPARTMENT –** Public Works/Cemetery Division

2. **PROJECT TITLE –** Property Acquisition

3. **PURPOSE OF PROJECT REQUEST FORM –** Acquire adjacent property as part of long-term Valley Cemetery growth.

4. **DEPARTMENT PRIORITY –** HIGH. Acquisition of this adjacent property, 226 Mascoma Street, Lot 90-26, will provide Valley Cemetery expansion and a right of way for a potential trail connection to the Mascoma Greenway.

5. **LOCATION –** Lebanon Valley Cemetery

6. **PROJECT DESCRIPTION/JUSTIFICATION –** Cemetery expansion to extend life of cemetery. Purchase price of $235,000.

2022 - 2027 Capital Improvement Program

Return on Investment:

This following is an estimate of revenues which are possible on the 226 Mascoma Street property:

- Assumptions: That City will construct a 10-foot-wide bike path with fence along east side of property abutting 222 Mascoma Street to give access to trails from the Greenway to the trails across Mascoma street.
- Property will be developed to provide 188 Lots with 3 graves per lot. Total full graves 564 @ $600 per grave = Revenue $338,400
- Each grave can hold total of 6 remains 1 full with 5 cremations- available space for 3,384 human remains
- Weekday Full burial cost- $450 X 564 = Revenue $253,800
- Weekday cremation cost-$200 X 2820 = $ 564,000
- **Total Possible revenue $1,156,200**

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #2

Property Acquisition - 226 Mascoma Street - Vallet Cemetery adjacent property

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				$0	$0	$0	$0	$0	$0	$0
Construction/Implementation				$0	$0	$0	$0	$0	$0	$0
Property/Equipment Acquisition				$235,000	$0	$0	$0	$0	$0	$235,000
			TOTAL	$235,000	$0	$0	$0	$0	$0	$235,000
FUNDING										
Current (Operating Budget)	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund	$235,000	$0	$0	$0	$0	$0	$235,000
	Supported by:	Water Rates	Wfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:	Landfill Fund		$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	**NHDOT**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**FAA**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**NHDOT Bureau of Aeronautics**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	**Water Investment Fees**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**____ Public Facilities Impact Fees**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Other	Specify:	**____ Private Contributions**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
			TOTAL	$235,000	$0	$0	$0	$0	$0	$235,000

2022 - 2027 Capital Improvement Program

1. **DEPARTMENT: Lebanon Fire Department**

2. **PROJECT TITLE – *2022 Ambulance Replacement***

3. **PURPOSE OF PROJECT REQUEST FORM – Replacement of Ambulance per the LFD Apparatus Replacement Schedule**

4. **DEPARTMENT PRIORITY – Mandatory – replaces 8+ year old ambulance**

5. **LOCATION – Lebanon Fire Department**

6. **DESCRIPTION/ JUSTIFICATION -** The Lebanon Fire Department through our long-term planning has developed a comprehensive vehicle replacement program. This program will allow all fire department vehicles and apparatus to remain current with industry standards, reduces maintenance costs and maintains reliable emergency vehicles. In addition to fire apparatus the replacement schedule also addresses other vehicles, such as the staff vehicles, fire alarm bucket truck and ambulances.

   There are no industry standards that outline a typical replacement cycle for ambulances. Ambulances must be ready to run at a moment's notice and are a vital piece of equipment for emergency medical response. Historically, we have experienced a significant increase in maintenance costs and availability of replacement parts with ambulances over 8 years old or at 100,000 miles or greater. Estimated life cycle is 8 years.

   Our replacement schedule is based on several factors:

   1. Our trade-in value for used ambulances decreases significantly after 7-8 years.
   2. After 100,000 miles we have experienced a high level of maintenance costs in relation to the estimated value of the ambulance.
   3. We must ensure that this equipment is reliable and readily available.

   Further it should be noted that our ambulance billing revenues cover some of the amortized replacement costs. The cost estimate includes the following: ambulance, new power load stretcher, new stair chair, and new mobile radio.

   Estimated Cost = $380,000.00

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #2

7. PROJECT TITLE **2022 Ambulance Replacement**

8. FINANCIAL PLAN AND PROJECT SCHEDULE

			2022	2023	2024	2025	2026	2027	2022 - 2027
EXPENDITURES									
Design/Engineering			$0	$0	$0	$0	$0	$0	$0
Construction/Implementation			$0	$0	$0	$0	$0	$0	$0
Property/Equipment Acquisition			$380,000	$0	$0	$0	$0	$0	$380,000
		TOTAL	**$380,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$380,000**
FUNDING									
Current (Operating Budget)	Specify Fund:		$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	$0	$0	$0	$0	$0	$0	$0
		Water Rates	$0	$0	$0	$0	$0	$0	$0
		Sewer Rates	$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:	Fire Department Vehicles/Equipr	$235,000	$0	$0	$0	$0	$0	$235,000
	Specify Fund:		$0	$0	$0	$0	$0	$0	$0
Grants	Specify:		$0	$0	$0	$0	$0	$0	$0
	Specify:		$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	Impact Fees	$145,000	$0	$0	$0	$0	$0	$145,000
Other	Specify:		$0	$0	$0	$0	$0	$0	$0
		TOTAL	**$380,000**	$0	**$0**	**$0**	**$0**	**$0**	**$380,000**

PROJECT REQUEST FORM #1

1. DEPARTMENT: Public Works – Maintenance Services, Solid Waste Facilities, Sewer Fund and Water Fund

2. PROJECT TITLE: Fleet Replacement

3. PURPOSE OF PROJECT REQUEST FORM: Maintain a reliable Public Works Fleet that meets current mission requirements.

4. DEPARTMENT PRIORITY: Maintenance of existing fleet and to improve efficiency

5. LOCATION: Various – Highway, Sewer, Water and Solid Waste

6. PROJECT DESCRIPTION/JUSTIFICATION: The Fleet Replacement Plan that had been utilized is a continuation of a Fleet Replacement Plan that evaluates equipment assigned to the fleet in comparison to the current mission. Life cycle time and other factors such as cost of operations and reliability are used as the primary basis for the replacement plan.

The fleet replacement plan includes the entire DPW fleet including Highway & Operations, Water, Sewer and Solid Waste. The entire fleet list for Operations & Highway, Water, Sewer and Solid Waste and the recommended 5-year replacement plan is provided in attachment no 1.

The CIP2022 proposes $396,700 for DPW-Operations and Highway fleet replacement, $127,310 for Sewer Fund fleet, and $42,440 for Water fund fleet replacement for a total of $566,450. The Solid Waste fleet expenses will be leases and will be included in the operating budget (6-year lease/option to purchase for the major solid waste equipment).

The 6-year lease/purchase option is to level out the very large expenditures in solid Waste (SW) and Operations & Maintenance/Highway (O&M) heavy equipment list, which includes: $300,000 for a SW 4-cubic yard loader (2024), $320,000 for a SW Dozer (2022), $300,00 for a SW excavator (2023), $1,000,000 for a SW compactor unit (2026), $800,000 for the SW “shredder” (2027), $200,000 for an O&M 3-cubic yard loader (2024). These pieces of equipment are critical to the daily operations of DPW.

FALCON

saltDogg
PUBLIC WORKS

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #1-Trues Brook Bridge

1. DEPARTMENT: Public Works

2. PROJECT TITLE & NUMBER: Trues Brook Bridge (NHDOT#24221) Bridge# (066/059)

3. PURPOSE OF PROJECT REQUEST FORM: Project Modification

4. DEPARTMENT PRIORITY: Maintenance of the City's infrastructure to provide and ensure safe public services. (RED LIST BRIDGE)

5. LOCATION: Trues Brook Road over Bloods Brook, 2nd Bridge

6. PROJECT DESCRIPTION/JUSTIFICATION: This Bridge was built in 1952 and rebuilt in 1986; it is showing signs of deterioration.

This bridge has been placed on the NHDOT Red-list. This Bridge is eligible for up to 80% NHDOT funding through the State Bridge Aid program with the balance of 20% being City funding. This request is to fund the Construction, ROW, and Construction Engineering in the future years. This project has currently been placed on the State's Ten Year plan with the state's construction estimate at $2,890,066. The NHDOT funding is a maximum of $2,312,053. Award must be made by June 30, 2022. The City Master Plan in Chapter 9 discusses the importance of maintenance of the City's bridges and infrastructure.

An Engineering Study was performed and can be found at the Department of Public Works including cost estimates. The 2014 Engineering Study Phase expended $66K. The recommended option chosen from the Engineering Study Phase was $3,483,000 (which is based on 2014 study phase estimate of $1.963M + 8 years of inflation at 5%/year + $263K for Preliminary Design & Final Engineering & Bid Phase (PS&E), $20,000 for Right Of Way (ROW) negotiation/ acquisition and $300k for the Construction Engineering phase. The City's funding portion will be $1,173,100

The PS&E phase is scheduled for 2021-22, ROW for 2022 and construction in 2022-2023.

The City anticipates to advertise this project in May/June 2022 and construction in 2022-23.

The NHDOT has funds allocated for the original design but has not accounted for inflation nor Construction Engineering services. The City has notified NHDOT of this. During the design process a new estimate will be generated and the funds will be requested for the full 80% compensation.

Presently in the NHDOT 10 year plan the NHDOT has it's 80% share of $2,890,066 funding is approved for $2,231,053. As stated, the City will request additional funding due to inflation as the project is ready for final approval and advertisement for bids from NHDOT.

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #2: Trues Brook Bridge (NHDOT#24221)

Bridge# 066/059

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				Previous Avail	2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES											
Design/Engineering				263000	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Construction/Implementation					**$3,200,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$3,200,000
Property/Equipment Acquisition				20000	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
			TOTAL		**$3,200,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$3,200,000**
FUNDING											
Current (Operating Budget)	Specify Fund:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Debt	Supported by:	Taxes	Gfund		**$887,947**		**$0**	**$0**	**$0**	**$0**	$887,947
	Supported by:	Water Rates	Wfund		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:	Sewer Rates	Sfund		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Capital Reserve Fund	Specify Fund:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Grants	Specify:	**NHDOT State Aid Bridge (10-yr plan funding: Preli Eng YR2022 $195,505, ROW YR2022 $15,852, Const YR2022/23 $2,678709) NHDOT to cover 80% of these costs**			**$2,312,053**	**$0**	**$0**	**$0**	**$0**	**$0**	$2,312,053
	Specify:	**FAA**			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**NHDOT Bureau of Aeronautics**			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Existing Funds	Specify:	**Water Investment Fees**			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**____ Public Facilities Impact Fees**			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Other	Specify:	**____ Private Contributions**			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
			TOTAL		**$3,200,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$3,200,000**

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. DEPARTMENT: Public Works

2. PROJECT TITLE & NUMBER: Infrastructure Improvements – Kimball Street Reconstruction - Road/ Sidewalks/ Curbing/ Drainage/ Sewer/ Water

3. PURPOSE OF PROJECT REQUEST FORM: Infrastructure Improvements

4. DEPARTMENT PRIORITY: Modification- Maintenance, Rehabilitation and Replacement

5. LOCATION: Kimball Street and a small portion of Forest

6. PROJECT DESCRIPTION/JUSTIFICATION: The various street projects that are planned around the City of Lebanon provide for the ongoing heavy repair and reconstruction of the City's street infrastructure to include roadways, sidewalks, curbing, drainage, water and sewer lines as required. The City of Lebanon take environmental concerns into consideration. Environmental impacts are always minimized along with the impacts to the City and the residents. All City projects are designed and constructed to provide the citizens a higher level of service by replacing older utility lines and repairing roadways. The majority of all City projects take place in the City's Right of Way or within existing easements, however at times when this is not the case the City works with the homeowner to receive a license for working on their utility services or an easement on to their property.

The various streets projects that are planned around the City of Lebanon are to repair and replace old, falling, or undersized infrastructure. From the City of Lebanon master Plan Chapter 9: C-2b states "Roadway improvement projects, zoning district boundaries, and individual subdivision, zoning, site plan, driveway permit and building permit applications, should be undertaken so that roads remain appropriate to the abutting properties and compatible with adjacent land uses."

Kimball Street reconstruction is programmed for construction in 2022 based upon CIP funding from 2022 and SRF Funding. Costs include an update to the previous design

plans including a drainage study to identify improvements for drainage which will be required to address the Forest Avenue drainage issues and proposed drainage infrastructure sizing to accommodate larger storm events for the receiving drainage system on the downgradient streets, i.e Shaw, Union, Elm, Green, Bank Street, etc.. Kimball St. costs include road, drainage, sewer, water, curbing and sidewalk improvements.

Kimball Street reconstruction is programmed for construction in 2022 based upon available funding. Kimball St. includes 1750 linear feet of roadway, drainage, sewer, water, curbing and sidewalk improvements. This project will replace undersized pre-1931 unlined cast iron water pipe, undersized drainage pipes and old deteriorated sewer lines showing high infiltration. Project is currently under design and will be ready to advertise for construction in January 2022.

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #2: Kimball Street Reconstruction (Construction scheduled for 2022)

7. FINANCIAL PLAN AND PROJECT SCHEDULE

					2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES											
Design/Engineering		Previous $102,900			**$100,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$100,000
Construction/Implementation					**$2,770,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$2,770,000
Property/Equipment Acquisition					**$5,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$5,000
				TOTAL	**$2,875,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$2,875,000**
FUNDING											
Current (Operating Budget)		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Debt	40%	Supported by:	Taxes	Gfund	**$1,150,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$1,150,000
	30%	Supported by:	Water Rates	Wfund	**$862,500**	**$0**	**$0**	**$0**	**$0**	**$0**	$862,500
	30%	Supported by:	Sewer Rates	Sfund	**$862,500**	**$0**	**$0**	**$0**	**$0**	**$0**	$862,500
		Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Capital Reserve Fund		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Grants		Specify:	**NHDOT**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:	**FAA**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:	**NHDOT Bureau of Aeronautics**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:	NHDES		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Existing Funds		Specify:	**Water Investment Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:	**____ Public Facilities Impact Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Other		Specify:	**____ Private Contributions**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
				TOTAL	**$2,875,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$2,875,000**

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #1-Mack Avenue

1. DEPARTMENT Public Works

2. PROJECT TITLE Infrastructure Improvements – Mack Avenue - Road/ Sidewalks/ Curbing/ Drainage/ Sewer/ Water

3. PURPOSE OF PROJECT REQUEST FORM **Modifiaction:** Infrastructure Improvements

4. DEPARTMENT PRIORITY Maintenance, Rehabilitation and Replacement

5. LOCATION Mack Avenue Reconstruction in 2023

6. PROJECT DESCRIPTION/JUSTIFICATION

The various street projects that are planned around the City of Lebanon provide for the ongoing heavy repair and reconstruction of the City's street infrastructure to include roadways, sidewalks, curbing, drainage, water and sewer lines as required. The City of Lebanon takes environmental concerns into consideration. Environmental impacts are always minimized along with the impacts to the City and the residents. All City projects are designed and constructed to provide the citizens a higher level of service by replacing older utility lines and repairing roadways. The majority of all City projects take place in the City's Right of Way or within existing easements, however at times when this is not the case the City works with the homeowner to receive a license for working on their utility services or an easement on to their property.

The various streets projects that are planned around the City of Lebanon are to repair and replace old, falling, or undersized infrastructure. From the City of Lebanon master Plan Chapter 9: C-2b states "Roadway improvement projects, zoning district boundaries, and individual subdivision, zoning, site plan, driveway permit and building permit applications, should be undertaken so that roads remain appropriate to the abutting properties and compatible with adjacent land uses."

Mack Avenue is programmed in year 2022 for design and construction 2023. Project costs include engineering design and reconstruction of roadway including sidewalk, curbing, drainage, water and sewer utilities. Mack Avenue has been on the list for streets reconstruction since 2010. The cast watermain needs replacement and the lack of positive drainage has deteriorated the street, so full depth reconstruction is proposed. These pipes are 80+ years old. The sewer line has been very problematic over the years

with staff having to clean the main on a quarterly basis due to roots and bad pipes. This line though separated does have Inflow & Infiltration problems. The water main is an old cast iron line that is the main connector line between the CSO #9 and CSO #10 project areas.

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #2: Mack Ave CIP Infrastructure

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				**$200,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$200,000
Construction/Implementation				**$0**	**$1,900,000**	**$0**	**$0**	**$0**	**$0**	$1,900,000
Property/Equipment Acquisition				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
			TOTAL	**$200,000**	**$1,900,000**	**$0**	**$0**	**$0**	**$0**	**$2,100,000**
FUNDING										
Current (Operating Budget)	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Debt	Supported by:	Taxes	Gfund 40%	**$80,000**	**$760,000**	**$0**	**$0**	**$0**	**$0**	$840,000
	Supported by:	Water Rates	Wfund 30%	**$60,000**	**$570,000**	**$0**	**$0**	**$0**	**$0**	$630,000
	Supported by:	Sewer Rates	Sfund 30%	**$60,000**	**$570,000**	**$0**	**$0**	**$0**	**$0**	$630,000
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Capital Reserve Fund	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Grants	Specify:	**NHDOT**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**FAA**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**NHDOT Bureau of Aeronautics**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Existing Funds	Specify:	**Water Investment Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**____ Public Facilities Impact Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Other	Specify:	**____ Private Contributions**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
			TOTAL	**$200,000**	**$1,900,000**	**$0**	**$0**	**$0**	**$0**	**$2,100,000**

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #1-Forest Ave.

1. DEPARTMENT: Public Works

2. PROJECT TITLE & NUMBER: Infrastructure Improvements – Forest Ave. Reconstruction - Road/ Sidewalks/ Curbing/ Drainage/ Sewer/ Water

3. PURPOSE OF PROJECT REQUEST FORM: Infrastructure Improvements

4. DEPARTMENT PRIORITY: New- Maintenance, Rehabilitation and Replacement

5. LOCATION: Forest Ave.

6. PROJECT DESCRIPTION/JUSTIFICATION: The various street projects that are planned around the City of Lebanon provide for the ongoing heavy repair and reconstruction of the City's street infrastructure to include roadways, sidewalks, curbing, drainage, water and sewer lines as required. The City of Lebanon take environmental concerns into consideration. Environmental impacts are always minimized along with the impacts to the City and the residents. All City projects are designed and constructed to provide the citizens a higher level of service by replacing older utility lines and repairing roadways. The majority of all City projects take place in the City's Right of Way or within existing easements, however at times when this is not the case the City works with the homeowner to receive a license for working on their utility services or an easement on to their property.

The various streets projects that are planned around the City of Lebanon are to repair and replace old, falling, or undersized infrastructure. From the City of Lebanon master Plan Chapter 9: C-2b states "Roadway improvement projects, zoning district boundaries, and individual subdivision, zoning, site plan, driveway permit and building permit applications, should be undertaken so that roads remain appropriate to the abutting properties and compatible with adjacent land uses."

Forest Ave. reconstruction is programmed for design in 2022 and Construction in 2023 with CIP and SRF funding in 2023. Costs in 2022 include an update to the previous design plans and to include a basin that is tied to the City's sewer system. A drainage study was included in Kimball Streets design with a drainage study to identify improvements for

drainage which will be required to address the Forest Avenue drainage issues and proposed drainage infrastructure sizing to accommodate larger storm events for the receiving drainage system on the downgradient streets, i.e Shaw, Union, Elm, Green, Bank Street, etc. Forest Ave. construction costs include road, drainage, sewer, water, curbing.

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #2: Forest Ave. Reconstruction (Construction in 2023)

7. FINANCIAL PLAN AND PROJECT SCHEDULE

					2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES											
Design/Engineering					**$150,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$150,000
Construction/Implementation						**$2,350,000**	**$0**	**$0**	**$0**	**$0**	$2,350,000
Property/Equipment Acquisition						**$0**	**$0**	**$0**	**$0**	**$0**	$0
				TOTAL	**$150,000**	**$2,350,000**	**$0**	**$0**	**$0**	**$0**	**$2,500,000**
FUNDING											
Current (Operating Budget)		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Debt	40%	Supported by:	Taxes	Gfund	**$45,000**	**$940,000**	**$0**	**$0**	**$0**	**$0**	$985,000
	30%	Supported by:	Water Rates	Wfund	**$60,000**	**$705,000**	**$0**	**$0**	**$0**	**$0**	$765,000
	30%	Supported by:	Sewer Rates	Sfund	**$60,000**	**$705,000**	**$0**	**$0**	**$0**	**$0**	$765,000
		Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Capital Reserve Fund		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Grants		Specify:	**NHDOT**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:	**FAA**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:	**NHDOT Bureau of Aeronautics**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Existing Funds		Specify:	**Water Investment Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:	**____ Public Facilities Impact Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Other		Specify:	**____ Private Contributions**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
		Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
				TOTAL	**$165,000**	**$2,350,000**	**$0**	**$0**	**$0**	**$0**	**$2,515,000**

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. **DEPARTMENT:** Public Works - Water Distribution

2. **PROJECT TITLE:** Water System Improvements Miracle Mile

3. **PURPOSE OF PROJECT REQUEST FORM:** This is a NEW Project in 2022.

   There are 90 miles of water main throughout the City consisting of various pipe types, ages and pipe sizes. The pipe types include cast iron (pre 1960), ductile iron, PVC and galvanized steel. Pipe ages date back to the early 1900's. Pipe sizes range from 1 inch to 16 inches in diameter. An asset management study was completed in 2021 identifying watermain and appurtenances that are in need of replacement and/or are undersized and have the highest risk of failure. A list of proposed watermain infrastructure improvements has been developed based on their risk of failure and the impacts that it would have on businesses and the community. To ensure distribution and delivery of water throughout the water system, it is necessary to perform these upgrades to the watermains, gate valves and fire hydrants. A multi-year improvement plan is proposed.

   The Miracle Mile watermain is ranked high on the risk of failure. This project includes watermain replacement or watermain lining along with associated roadway improvements consisting of mill/shim/overlay improvement.

4. **DEPARTMENT PRIORITY:** NEW - Maintenance, a continuation of public water services.

5. **LOCATION:** Miracle Mile (Dudley Bridge to Mechanic Street at the Mascoma River bridge near the I-89 northbound offramp).

6. **PROJECT DESCRIPTION/JUSTIFICATION:** This project is intended to upgrade the watermain on Miracle Mile. This proposed watermain infrastructure project on Miracle Mile has risen to the top of City water system infrastructure needs showing the need of replacement based on its risk of failure and the impacts that it would have on the businesses and community. This 12" waterline that is being proposed to be improved is along US4. It consists of 5,500 lf of main that connects

to two sides of watermains that have been replaced over the last 12 years. This is a major corridor connecting Lebanon and West Lebanon where there are many restaurants, retail, grocer, doctor's offices, urgent care centers, auto dealerships, service stations, and entertainment area along many more businesses. This line has experienced multiple breaks over the past decade where it has impacted those businesses. This project is to slip-line this line so that those businesses receive water without the detrimental impacts to their businesses from another break.

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #2 Water System Improvements Miracle Mile

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2021 - 2026
EXPENDITURES										
Design/Engineering				$100,000	$0	$0	$0	$0	$0	$100,000
Design and Construction -				$0	$0	$0	$0	$0	$0	$0
Construction/Implementation				$2,600,000	$0	$0	$0	$0	$0	$2,600,000
Property/Equipment Acquisition				$0	$0	$0	$0	$0	$0	$0
			TOTAL	$2,700,000	$0	$0	$0	$0	$0	$2,700,000
FUNDING										
Current (Operating Budget)	Specify Fund:	Water Operating Budget - Survey Services and water Modelling		$0	$0	$0	$0	$0	$0	$0
	Specify Fund:	Water Operating Budget - Gate Valves & Hydrants		$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund	$900,000	$0	$0	$0	$0	$0	$900,000
Water Gate Valves and Hydrants	Supported by:	Water Rates	Wfund	$1,800,000	$0	$0	$0	$0	$0	$1,800,000
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	**NHDOT**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**FAA**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**NHDOT Bureau of Aeronautics**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**NHDES**		$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	**Water Development Fees or Capital Reserves**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**____ Public Facilities Impact Fees**		$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
Other	Specify:	**____ Private Contributions**		$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
			TOTAL	$2,700,000	$0	$0	$0	$0	$0	$2,700,000

8. NET EFFECT ON OPERATING COSTS

Debt Service				$0	$0	$0	$0	$0		$0
Personnel				$0	$0	$0	$0	$0		$0
Purchased Services				$0	$0	$0	$0	$0		$0
Materials and Supplies				$0	$0	$0	$0	$0		$0
Other				$0	$0	$0	$0	$0		$0
			TOTAL	$0	$0	$0	$0	$0		$0

9. NET EFFECT ON MUNICIPAL INCOME

				$0	$0	$0	$0	$0		$0
				$0	$0	$0	$0	$0		$0
Other				$0	$0	$0	$0	$0		$0
			TOTAL	$0	$0	$0	$0	$0		$0

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #1

This form includes basic information for each department project request. It must be completed for each project whether for a **NEW PROJECT**, a **MODIFICATION OF AN EXISTING PROJECT**, **CONTINUATION OF AN ON-GOING PROJECT**, or **CANCELLATION OF A PREVIOUSLY APPROVED PROJECT**.

See accompanying instructions.

1. **DEPARTMENT:** PLANNING & DEVELOPMENT

2. **PROJECT TITLE & NUMBER:** WEST LEBANON CAPITAL IMPROVEMENTS

3. **PURPOSE OF PROJECT REQUEST FORM:** CONTINUATION OF AN ON-GOING PROJECT

4. **DEPARTMENT PRIORITY:** IMPROVE EFFICIENCY

5. **LOCATION:**

6. **PROJECT DESCRIPTION/JUSTIFICATION:**

This is a request to add funds to the existing West Lebanon Capital Improvements project (1455-4118-01-0003 or 1455-4119-01-0019) for implementation of various improvements resulting from the 2019 West Lebanon Visioning Charrette effort, including components of the ongoing West Lebanon Streetscape Study, the ongoing West Lebanon River Trail Feasibility Study, or other improvements identified by the West Lebanon Revitalization Advisory Committee.

In 2018, the City Council approved funding of $165,000 for miscellaneous West Lebanon Capital Improvements in lieu of funding a comprehensive visioning effort at that time. Subsequently, in 2019, the Council approved an additional $300,000 to fund the rehabilitation of property at 3 Seminary Hill in anticipation of relocating the Recreation and Parks Department to that location. As it turned out, the structure at 3 Seminary Hill was too far gone to allow for reasonable rehabilitation and the structure was ultimately demolished instead. In 2020, the City Council authorized the use of approximately $110,000 of the remaining West Lebanon Capital Improvement funds for the installation of a playground on Maple Street in West Lebanon. At this time, there remains approximately $250,000 in the West Lebanon Capital Improvements account for use on various projects in West Lebanon.

As a result of the 2019 Visioning Charrette, the Planning & Development Department has engaged VHB to assist with two separate projects:

The first is a West Lebanon Village Main Street Project to prepare conceptual designs for streetscape and transportation improvements along Main Street, primarily between South Main Street and Bridge Street. The result of the study will be the development of a conceptual design for the corridor representing a more-detailed evaluation of the preferred concepts developed from the 2019 West Lebanon Village Visioning Charrette to ensure that they are feasible and publicly supported. The Streetscape Study is expected to be completed by approximately August or September 2021.

Second, in conjunction with the City's efforts to pursue a long-term lease arrangement of parts of Westboro Yard from the State of New Hampshire following the demolition of the dilapidated structures by NHDOT, the City has engaged VHB to undertake a feasibility and conceptual design study for a multi-use path along ~0.5 miles of Connecticut River frontage to connect South Main Street with Bridge Street. The multi-use path would use the existing sewer interceptor alignment on the Westboro property to provide access and connectivity between the City's existing riverfront parcel just south of Bridge Street and the sought-after leasehold area at the south end of Westboro Yard. The River Trail Feasibility Study is expected to be completed by approximately June or July 2021.

The Planning & Development Department anticipates working with the West Lebanon Revitalization Advisory Committee to utilize available capital funds to begin implementation of all or parts of the improvements resulting from these ongoing studies and/or other improvement projects prioritized by the Advisory Committee and the Administration.

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #2: West Lebanon Capital Improvements

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Construction/Implementation				**$200,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$200,000
Property/Equipment Acquisition				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
			TOTAL	**$200,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$200,000**
FUNDING										
Current (Operating Budget)	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Debt	Supported by:	Taxes	Gfund	**$200,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$200,000
	Supported by:	Water Rates	Wfund	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:	Sewer Rates	Sfund	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Capital Reserve Fund	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Grants	Specify:	**NHDOT**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**FAA**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**NHDOT Bureau of Aeronautics**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Existing Funds	Specify:	**Water Investment Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**____ Public Facilities Impact Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Other	Specify:	**____ Private Contributions**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
			TOTAL	**$200,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$200,000**

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #1

This form includes basic information for each department project request. It must be completed for each project whether for a **NEW PROJECT**, a **MODIFICATION OF AN EXISTING PROJECT**, **CONTINUATION OF AN ON-GOING PROJECT**, or **CANCELLATION OF A PREVIOUSLY APPROVED PROJECT**.

See accompanying instructions.

1. **DEPARTMENT:** PLANNING & DEVELOPMENT

2. **PROJECT TITLE & NUMBER:** LEBANON MULTIMODAL PLAN,

3. **PURPOSE OF PROJECT REQUEST FORM:** CONTINUATION OF AN ON-GOING PROJECT

4. **DEPARTMENT PRIORITY:** **Improve Efficiency**

5. **LOCATION:** **Citywide**

6. **PROJECT DESCRIPTION/JUSTIFICATION:**

The Planning & Development Department proposes to engage a consultant to develop Lebanon's Multimodal Plan in two phases. Phase 1 was funded as a capital project in 2021 and will be started during the second half of the year. Phase 2 is proposed to funded in 2022 as a continuation of the overall project.

The Plan will apply, update, and prioritize existing information, processes, and recommendations for actions/projects, from multiple City, State and private plans and projects. It will serve as a master plan, with a baseline vision for how the City can objectively improve multimodal safety for all, and an action plan, with specific tasks to improve local networks.

Now, more than ever, people are biking for mental and physical health, as well as for essential trips. Ped-bike facilities are critical infrastructure. Having local places to go, and the appropriate—safe, effective and accessible—network to do so, between Lebanon's neighborhoods has gained particular meaning and value over the past year.

When the Lebanon Pedestrian and Bicyclist Advisory Committee (Ped-Bike Committee) was constituted ~25 years ago, their charge was to draft a master plan for sidewalks and bicycle transportation, survey potential users of improvement options to help assess relative need and priority, and to educate. Although a interim report was prepared, this continues to be an open task. The City's more recent Principles for Sustainability commit Lebanon to creating a balanced system with increased transportation choice and walkable/bikable neighborhoods. The Lebanon Multimodal Plan will also help implement numerous recommendations in the City's 2012 Master Plan; *seven* different chapters cite strategies/actions for bike/walk/trail/neighborhood plans that

address walk and bike linkages, equal access for non-drivers, Complete Streets, alternative transportation, and improved circulation.

Other references that endorse the goals of the Lebanon Multimodal Plan include, but are not limited to, several forthcoming state ped-bike and rail trail plans, as well as regional corridor studies and the Upper Valley Transportation Management Association's Mobility Checklist. Data also supports the need to redouble infrastructure planning that addresses all roadway users. As published by the State of New Hampshire Department of Safety on May 7, 2020, despite less traffic, NH is seeing a spike in traffic fatalities, with a 70% increase in car fatalities from this same period in 2019 and a 166% increase in pedestrian fatalities from that period. Speeding and distractions are as much if not more of a challenge than ever for vulnerable road users such as pedestrians, bicyclists and motorcyclists. Benchmarking studies suggest that bicyclist and pedestrian fatalities are not inevitable when people bike and walk more but may be reduced through proactive policy, infrastructure, education, and other community investments in bicycling and walking. Above all, survey data from the Governor's Advisory Commission on Intermodal Transportation (GACIT) shows public demand for better ped-bike options.

A primary benefit of a Multimodal Plan for Lebanon would be the opportunity to distill all of the ped-bike needs and priorities identified in various local, regional, and statewide plans into a more unified vision and implementation strategy. The project will be less of an exploratory exercise to identify new gaps/needs and more of an exercise in prioritizing known needs, understanding project feasibility, and developing a concrete action plan for implementation. This will help when working with local boards and applicants on things like development review/negotiation, policy/regulation development/updates, CIP development, etc.

A quality pedestrian-bike network is essential to and synonymous with many City goals including safety, health, equity and inclusiveness, economic opportunity and fiscal sustainability. These are benefits for the entire community, not just those who bike or walk for recreation. The Plan will build capacity for alternative transportation, with the benefits of *less* traffic congestion, air pollution, carbon output and expensive road wear and tear, and *more* safe and affordable access for people of all ages and abilities. The Multimodal Plan is an opportunity to level the playing field in terms of guiding planning priorities, effecting balanced transportation governance, and demonstrating accountability to health. For example, a primary task of the project is to review the status of Lebanon's Complete Streets Policy implementation and align the policy's implementation with recommendations from the above-referenced plans and studies. The Complete Streets policy directs the City to support reliable space for all modes, especially along key routes, and the Multimodal Plan will activate the policy systematically and efficiently.

Most importantly, the Plan is a key resiliency, investment preparedness, and infrastructure efficiency measure. It will prepare Lebanon for funding opportunities and help us "build back better", a term that many U.S. cities are considering as federal stimulus opportunities percolate. An up-to-date Multimodal Plan streamlines early project planning by having ready-to-go data from citywide stakeholder engagement, reducing duplication of effort, documenting key opportunities for project prioritization (including as relates to funding), and presenting objective, vetted design concepts for ease of decision-making. The Plan will facilitate expedient coordination between the City and our partners and fairness as well as predictability for developers.

Other economic efficiencies will be achieved by leveraging the community preparedness value of the Multimodal Plan. This factor is a common scoring category in funding, such as the federal Transportation Alternatives Program (TAP) grant administered by the New Hampshire Department of Transportation (NHDOT). The City has missed the mark on several recent grant pursuits due to a lack of data indicating community need and the lack of advanced concepts for projects addressing those needs. Timeliness in producing a Multimodal Plan is important, as Lebanon's peer communities, like Keene, are putting together economic stimulus packages that include infrastructure investment, but don't want to burden taxpayers and expect to double down on grant pursuits; actively preparing a clear vision of what potential projects might look like will position Lebanon to compete for funding, especially when such opportunities tend to be announced with short notice.

Another perspective that has not been incorporated in the past is that the Plan will prepare Lebanon to "age well" by addressing availability to safe and accessible recreational facilities and to safe and affordable private and public transportation. Those are two of the livable community metrics that AARP evaluates for Age-Friendly Communities, including over 15 in NH that have the designation and adopted action plans. AARP is one of many organizations that support livability and transportation grants.

The Multimodal Plan will be standalone document and can readily be merged as a walk and bike module within a future, umbrella Transportation Master Plan. It is most practical to take on the multimodal portion now as Lebanon has a standing Ped-Bike Committee that is well-positioned to serve as the citizen committee engaged with the work on a plan—while there is not quite the equivalent group for a full transportation plan. Many of the anticipated recommendations will be turnkey actions that can be considered for inclusion with transportation and development projects in the City's pipeline, including likely projects in the next five years—opportunities that may be missed if not identified soon.

The scope of work will be split into two phases of work that can be done continuously or under different funding cycles between 2021-2022, with a five-year project recommendation horizon for 2021-2026.

Tasks to be completed under Phase 1 - Assessment:

- **INTRODUCTION & VISION.** The consultant will review sample multimodal, ped-bike and transportation plans for best practices (see attached References). This will set the tone of the Plan and establish its overall goals for performance expectations, including stakeholder participation, funding preparedness and criteria for project prioritization.
- **EXISTING CONDITIONS.** This draws a picture of existing and proposed conditions for bicycling and walking in Lebanon as gathered from a review of existing studies (including pending/new UVLSRPC transportation corridor plans, the State of New Hampshire Bicycle and Pedestrian Plan, and 2020 Mascoma River Greenway survey), data analysis, field work, and an extensive public outreach process. A needs assessment may include a complete streets review (see Nashua example in References), network gap analysis, review of safety concerns and incidents, and bike traffic stress analysis, and identify locations for facility and programmatic improvements. Priority metrics common in ped-bike benchmarking may also be evaluated to help benchmark Lebanon to other communities. The needs assessment informs project recommendations based on a combination of network barriers that preclude residents from taking bicycling trips and feasibility.

- **PUBLIC OUTREACH.** The Plan will gather input on challenges and opportunities for bike network and pedestrian network improvements. The Plan will seek creative ways to integrate equity early and thoroughly, to be inclusive (including mountain biking) and to reach specific user groups, from recreational walkers and bicyclists, to commuters, seniors, schools/students, persons with mobility and disability challenges, minorities, and transit users, along with the broader population of citizens. In particular, demographic data points for metrics that highlight key needs and support funding solicitations will be studied.
- **NETWORK RECOMMENDATIONS.** The 2020 Outcomes and Workplan includes the outcome to develop a pedestrian/bicyclist mobility map prepared with the Ped/Bike Advisory Committee, depicting existing, proposed, and gap opportunities for public and private routes, especially “last mile” segments to transit, safe routes to play and school, population hubs and essential services as well as destinations that support economic development. The Multimodal Plan will develop a draft connectivity plan for existing, new and improved facilities, either citywide or as sub-area or neighborhood plans.

Tasks to be completed under Phase 2 - Plan:

- **IMPLEMENTATION AND CAPITAL IMPROVEMENT PLAN**. The Plan will finalize the connectivity/mobility map to highlight existing routes based on conditions and user appropriateness, and to prioritize recommended projects based on objective criteria such as need, expected benefit, and cost as well as implementation priorities for existing policies. The facility categories identified will align with the City’s new asset management resources, including StreetScan and help to evolve that tool. An optional implementation deliverable is a virtual hub for public data and outreach—a dynamic engagement or ‘wiki’ map for real-time conditions, ideas, and similar community interests, that converts the mobility map into an interactive, easily updated tool.
- **DESIGN GUIDELINES**. The Plan will include user-friendly design guidelines and typical configurations of bikeway and pedestrian facilities on a roadway for the above improvements. Guidance will be tailored to Lebanon, including for new construction of on- and off-street facilities that complement transit access and the streetscape, and for maintenance projects like roadway rehabilitation and resurfacing. Design guidelines will utilize national sources (NACTO, FHWA, AASHTO, ITE, MUTCD, NCHRP, etc.) for on-street facilities with regard to bicycle lanes, bicycle routes, bicycle boulevards and shared roadways and relating to width, pavement, striping, crossings, signage, and parking. The Plan may also provide guidance for off-street facilities. Other guidance such as AARP Livable Communities and ADA requirements for trail connections may be considered.

Phase 1 was funded with $25,000 in the 2021 capital budget. Phase 2 is proposed to cost $20,000 in the 2022 capital budget.

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #2: Lebanon Multi-Modal/Complete Streets Plan, Phase 2

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				**$20,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$20,000
Construction/Implementation				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Property/Equipment Acquisition				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
			TOTAL	**$20,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$20,000**
FUNDING										
Current (Operating Budget)	Specify Fund:			**$20,000**	**$0**	**$0**	**$0**	**$0**	**$0**	$20,000
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Debt	Supported by:	Taxes	Gfund	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:	Water Rates	Wfund	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:	Sewer Rates	Sfund	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Capital Reserve Fund	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Grants	Specify:	**NHDOT**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**FAA**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**NHDOT Bureau of Aeronautics**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Existing Funds	Specify:	**Water Investment Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**____ Public Facilities Impact Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Other	Specify:	**____ Private Contributions**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
			TOTAL	**$20,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$20,000**

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. **DEPARTMENT:** Public Works - Water Distribution

2. **PROJECT TITLE:** Water System Improvements Mechanic Street

3. **PURPOSE OF PROJECT REQUEST FORM:** This is a NEW Project in 2022. There are 90 miles of water main throughout the City consisting of various pipe types, ages and pipe sizes. The pipe types include cast iron (pre 1960), ductile iron, PVC and galvanized steel. Pipe ages date back to the early 1900's. Pipe sizes range from 1 inch to 16 inches in diameter. An asset management study was completed in 2021 identifying watermain and appurtenances that are in need of replacement and/or are undersized and have the highest risk of failure. A list of proposed watermain infrastructure improvements has been developed based on their risk of failure and the impacts that it would have on businesses and the community. To ensure distribution and delivery of water throughout the water system, it is necessary to perform these upgrades to the watermains, gate valves and fire hydrants. A multi-year improvement plan is proposed.

   Year 2022 of the program included the structural lining of 1,400 linear feet of watermain on Mechanic Street along with associated roadway improvements

4. **DEPARTMENT PRIORITY:** NEW - Maintenance, a continuation of public water services.

5. **LOCATION:** Mechanic Street (Slayton Hill Rd to Lumber Liquidators).

6. **PROJECT DESCRIPTION/JUSTIFICATION:** This project is intended to structural line a cast iron watermain that has experienced multiple breaks over the last few years.

This proposed watermain infrastructure project on Mechanic Street, Slayton Hill Road to Lumber Liquidators, has risen to the top of City water system infrastructure needs showing the need of replacement based on its risk of failure and the impacts that it would have on the businesses and community. This 12" waterline is being proposed to be improved with structural lining. It consists of 1,400 lf of main that connects to two sides of watermains that have been replaced over the last 4 years. This line has experienced multiple breaks over the past decade where it has disrupted many businesses. This project is to structural- line this line so that those businesses

receive water without the detrimental impacts to their businesses from another break.

Project include $80,000 for design and construction engineering and $220,000 in construction costs.

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #2 Water System Improvements Mechanic Street

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2021 - 2026
EXPENDITURES										
Design/Engineering				$50,000	$0	$0	$0	$0	$0	$50,000
Design and Construction -				$30,000	$0	$0	$0	$0	$0	$30,000
Construction/Implementation				$220,000	$0	$0	$0	$0	$0	$220,000
Property/Equipment Acquisition				$0	$0	$0	$0	$0	$0	$0
			TOTAL	$300,000	$0	$0	$0	$0	$0	$300,000
FUNDING										
Current (Operating Budget)	Specify Fund:	Water Operating Budget - Survey Services and water Modelling		$0	$0	$0	$0	$0	$0	$0
	Specify Fund:	Water Operating Budget - Gate Valves & Hydrants		$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Water Rates	Wfund	$300,000	$0	$0	$0	$0	$0	$300,000
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	**NHDOT**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**FAA**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**NHDOT Bureau of Aeronautics**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**NHDES**		$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	**Water Development Fees or Capital Reserves**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**____ Public Facilities Impact Fees**		$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
Other	Specify:	**____ Private Contributions**		$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
	Specify:			$0	$0	$0	$0	$0		$0
			TOTAL	$300,000	$0	$0	$0	$0	$0	$300,000

8. NET EFFECT ON OPERATING COSTS

Debt Service	$0	$0	$0	$0	$0		$0	
Personnel	$0	$0	$0	$0	$0		$0	
Purchased Services	$0	$0	$0	$0	$0		$0	
Materials and Supplies	$0	$0	$0	$0	$0		$0	
Other	$0	$0	$0	$0	$0		$0	
TOTAL	$0	$0	$0	$0	$0		$0	

9. NET EFFECT ON MUNICIPAL INCOME

	$0	$0	$0	$0	$0	$0
	$0	$0	$0	$0	$0	$0
Other	$0	$0	$0	$0	$0	$0
TOTAL	$0	$0	$0	$0	$0	$0

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. **DEPARTMENT –** Public Works/Solid Waste Division

2. **PROJECT TITLE –** Replacement of Landfill Tarp Machine

3. **PURPOSE OF PROJECT REQUEST FORM –** NEW - Maintain Solid Waste Division Equipment

4. **DEPARTMENT PRIORITY –** MAINTENANCE refers to a continuation of public services, the conservation of endangered resources, or the finishing of partially completed projects. The current tarp machine is past its useable life and needs to be replaced.

5. **LOCATION –** Lebanon Landfill

6. **PROJECT DESCRIPTION/JUSTIFICATION –** This piece of equipment is used to cover waste received at the landfill. State Solid Waste Rules and the Facility permit requires the application of cover material or an alternative. Using tarps instead of soils or other cover products aids in conserving valuable airspace at the Lebanon Landfill. The replacement of this equipment is a recommendation from the Lebanon Solid Waste/Recycling Business Plan. Examples below.

2022-2027 Capital Improvement Program

PROJECT REQUEST FORM #2 Landfill Tarp Machine - Cover

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				$0	$0	$0	$0	$0	$0	$0
Construction/Implementation				$0	$0	$0	$0	$0	$0	$0
Property/Equipment Acquisition				$100,000	$0	$0	$0	$0	$0	$100,000
			TOTAL	$100,000	$0	$0	$0	$0	$0	$100,000
FUNDING										
Current (Operating Budget)	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Water Rates	Wfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Solid Waste Fund	Swfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:	Landfill Equipment Fund		$100,000	$0	$0	$0	$0	$0	$100,000
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	**NHDOT**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**FAA**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**NHDOT Bureau of Aeronautics**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	**Water Investment Fees**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**____ Public Facilities Impact Fees**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Other	Specify:	**____ Private Contributions**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
			TOTAL	$100,000	$0	$0	$0	$0	$0	$100,000

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. **DEPARTMENT –** Public Works/Solid Waste Division

2. **PROJECT TITLE –** Landfill Gas Collection and Control System (GCCS)

3. **PURPOSE OF PROJECT REQUEST FORM –** Improvements to landfill gas collection system to improve gas output.

4. **DEPARTMENT PRIORITY –** Adding additional landfill gas collection infrastructure is required by our permit with the NHDES and our approved operating plan.

5. **LOCATION –** Lebanon Solid Waste Facility - Landfill

6. **PROJECT DESCRIPTION/JUSTIFICATION –** NHDES Env-Sw 806.07 Rules requires the City to control decomposition gases from the Landfill to prevent hazards to health, safety, and property. The City installed an active landfill gas (LFG) extraction system in 2013 to comply with this regulation. Since 2013, the City has continued operations within Landfill Phase II-C and needs to expand the existing GCCS infrastructure into areas that do not currently have LFG extraction components. The project will consist of installing a series of LFG extraction wells and LFG collection trenches that will be tied into the existing GCCS infrastructure that is under a vacuum system. The project was designed by a professional engineer licensed in the State of New Hampshire in 2020 and permitted through the NHDES Solid Waste Bureau.

This is a multi-year project with the initial design performed in 2020 and with the GCCS installed by a contractor in years 2020 through 2025 and construction coordination by DPW-Solid Waste staff.

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #2 Landfill Gas Collection Project

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering				$0	$0	$0	$0	$0	$0	$0
Construction/Implementation				$137,800	$144,700	$151,900	$0	$0	$0	$434,400
Property/Equipment Acquisition				$0	$0	$0	$0	$0	$0	$0
			TOTAL	$137,800	$144,700	$151,900	$0	$0	$0	$434,400
FUNDING										
Current (Operating Budget)	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:	SW Operating Budget		$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Debt	Supported by:	Taxes	Gfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Water Rates	Wfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Sewer Rates	Sfund	$0	$0	$0	$0	$0	$0	$0
	Supported by:	Solid Waste Fund	Swfund	$137,800	$144,700	$151,900	$0	$0	$0	$434,400
	Supported by:			$0	$0	$0	$0	$0	$0	$0
	Supported by:			$0	$0	$0	$0	$0	$0	$0
Capital Reserve Fund	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
	Specify Fund:			$0	$0	$0	$0	$0	$0	$0
Grants	Specify:	**NHDOT**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**FAA**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**NHDOT Bureau of Aeronautics**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Existing Funds	Specify:	**Water Investment Fees**		$0	$0	$0	$0	$0	$0	$0
	Specify:	**____ Public Facilities Impact Fees**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
Other	Specify:	**____ Private Contributions**		$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
	Specify:			$0	$0	$0	$0	$0	$0	$0
			TOTAL	$137,800	$144,700	$151,900	$0	$0	$0	$434,400

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #1

1. **DEPARTMENT –** Public Works/Solid Waste Division

2. **PROJECT TITLE –** Landfill Gas Utilization Project

3. **PURPOSE OF PROJECT REQUEST FORM –**

   The City has recently received a proposal from a selected vendor (Vergent Power System) for $4,537,057 for the construction of a 1.0 MW microturbine gas to energy project as well as a proposal from Liberty Utilities for $625,000 ($500k +25%) for upgrades to the electrical grid. These upgrades identified by Liberty Utilities and National grid are necessary in order for the project to connect to the electrical distribution system and substation.

   There is a balance of $3,800,000 in previously appropriated funds for this Landfill gas to Energy project resulting in a request for additional funding of $1,362,057.

4. **DEPARTMENT PRIORITY –**

   This project is in keeping with the City's Master Plan; Energy, chapter 13. This project has the potential of generating revenues from the sale of electricity as well reducing energy costs for the City as a whole.

5. **LOCATION –** Lebanon Solid Waste Facility - Landfill Gas Generator Station
   The landfill gas to energy program will be developed and managed at the Lebanon Solid Waste Facility; 370 Plainfield Rd, West Lebanon, NH

6. **PROJECT DESCRIPTION/JUSTIFICATION –**

   This is a 1.0 MW gas to energy project consisting of five 200 MW microturbines and a landfill gas treatment system to be located the landfill site. The City solicited proposed in 2021 from interested contractors and it was determined that Vergent Power System's proposal was in the best interest of the city. In addition Liberty Utilities recently completed an impact study identifying upgrades would be needed to the electrical distribution system and at the connecting substation for the 1MW facility to distribute generated power.

   The recommended upgrades are necessary to connect the LF gas generator to the distribution grid. Installation of equipment is estimated to take 12 months.

2022 - 2027 Capital Improvement Program

PROJECT REQUEST FORM #2

Landfill - Additional Funds to Vergent/Waldron and Liberty Utilities/National Grid Electrical Grid Improvements Project

Note: There exists $3,800,000 in the current appropriation for this project

7. FINANCIAL PLAN AND PROJECT SCHEDULE

				2022	2023	2024	2025	2026	2027	2022-2027
EXPENDITURES										
Design/Engineering - Studies will be complete in 2021				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Construction/Implementation - Vergent Power System/Waldrons and LU and NG				**$1,362,057**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,362,057**
Property/Equipment Acquisition				**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
			TOTAL	**$1,362,057**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,362,057**
FUNDING										
Current (Operating Budget)	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:	SW Operating Budget		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Debt	Supported by:	Taxes	Gfund	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:	Water Rates	Wfund	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:	Sewer Rates	Sfund	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:	Solid Waste Fund	Swfund	**$1,362,057**	**$0**	**$0**	**$0**	**$0**	**$0**	$1,362,057
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Supported by:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Capital Reserve Fund	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify Fund:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Grants	Specify:	**NHDOT**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**FAA**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**NHDOT Bureau of Aeronautics**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Existing Funds	Specify:	**Water Investment Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:	**____ Public Facilities Impact Fees**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
Other	Specify:	**____ Private Contributions**		**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
	Specify:			**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	$0
			TOTAL	**$1,362,057**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,362,057**