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## Submission #18

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### Submission information

Form: [Capital Request Form - Non-Vehicle Related](#)

Submitted by Anonymous (not verified)

September 27, 2021 - 1:11pm

71.126.253.36

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#### Department Name

DPW

#### Department Head Name

Karen

#### Department Head Title

Superintendent

#### Fiscal Year Requested

FY23

#### Project Description

Newton Street Water Main - Replaces the 1931 cast iron water main in Newton Street.

#### Select how your project fits into one or more of the following conditions from the town's Capital Plan

- Preservation of operations
- Improvement to infrastructure
- Improvement in the efficiency and effectiveness of service delivery

#### Why is the project being requested?

Through other water projects (Main Street water main replacement and the Hosmer Pumping Station improvement work at Overlook Water Tank) we determined that the inside pipe diameter of the water main in Newton Street has been reduced. This is a main feeder to the and from the Overlook water tank.

#### Estimated Useful Life (in years)

100

#### Amount Requested

2,100,000

#### Expected Funding Source

Water Enterprise

#### What alternate funding sources have you pursued to offset any portion of the amount requested?

AARPA

#### Describe and quantify any revenue that this project may create for the town or alternatively operating costs that may be reduced (if applicable)

None

#### Estimated Annual Maintenance Cost of Project

200

#### Provide details of the expected timeline for implementation of this project, upon funding

Project funded, bid within 1 month, construction begins within 2 more months.

#### Please provide any supporting documentation that supports the amount requested including any available vendor quotes.

[opinion of probable construction costs - 5400 feet.pdf](#)

#### Please provide any additional files that you believe may be helpful with our review of this request

#### Date Submitted

September 27, 2021

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**Opinion of Probable Construction Cost**  
 Newton Street - Southborough, MA  
 New 12" DI from Main Street to Framingham Road



**Town of Southborough**  
**Department of Public Works**

**Prepared By:** TPT  
**Checked By:**  
**Date:** 11-24-20

No.	Work Item	Quantity	Unit Price	Unit	Total
<b>PROPOSED WATER MAIN UPGRADES</b>					
1.	Site Mobilization and Demobilization	1	3.00	%	\$ 44,055.00
2.	Erosion and Sedimentation Controls (One Side)	5,400	\$ 5.00	LF	\$ 27,000.00
3.	Exploratory Excavation (Test Pits)	11	\$ 500.00	EA	\$ 5,500.00
4.	Water Main Rock Removal (10% Trench Volume)	520	\$ 175.00	CY	\$ 91,000.00
5.	Furnish and Install 12-inch Zinc-Coated Ductile Iron Water Main	5,400	\$ 150.00	LF	\$ 810,000.00
6.	Furnish and Install 12-inch Gate Valve and Box	10	\$ 3,500.00	EA	\$ 35,000.00
7.	Furnish and Install 1-inch Water Service Taps	40	\$ 500.00	EA	\$ 20,000.00
8.	Furnish and Install 1-inch Copper Water Service	800	\$ 50.00	LF	\$ 40,000.00
9.	Furnish and Install Hydrants	10	\$ 5,000.00	EA	\$ 50,000.00
10.	2-inch Temporary Trench Pavement	2,400	\$ 25.00	SY	\$ 60,000.00
11.	5-inch Permanent Trench Pavement	4,000	\$ 65.00	SY	\$ 260,000.00
12.	Traffic Protection Allowance	70	\$ 1,000.00	DAY	\$ 70,000.00
			<b>SUBTOTAL</b>		<b>\$ 1,512,555.00</b>
13.	Contingency (20%)				\$ 302,511.00
			<b>SUBTOTAL</b>		<b>\$ 1,815,066.00</b>
14.	Engineering and Design				\$ 64,800.00
15.	Construction Observation	80	\$ 900.00		\$ 72,000.00
16.	Construction Administration (3%)				\$ 54,451.98
			<b>TOTAL</b>		<b>\$ 2,000,000.00</b>