

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
 This project provides for re-inspections of culverts previously inspected and assessed, plus the inspection of the CSX culverts east of Farm Pond. Some drainage for sideroads from Union Ave to Farm Pond were removed from the Union Ave water and sewer upgrade projects and has been added to this project. Work would include drainage improvements on side roads, water quality BMP in the vicinity of Henry St, and improving culverts under CSX rail yard.

- (3) **PURPOSE OF PROJECT:**
- Replace existing infrastructure
  - Replace existing capital asset
  - Replace existing vehicle
  - Replace equipment
  - New infrastructure
  - New capital asset
  - New vehicle
  - New equipment
  - Strategic/Comprehensive/Master plan

**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**  
 Recommended from previous report. Three culvert failures in the past year reinforce the need for reinspections.

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility	125,000					
c. Design						
d. Construction						
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	125,000	-	-	-	-	-

- (5) **PRIORITY:**
- a.  **health and safety** safety concern, hazardous condition, agency compliance, non-functional, etc
  - b.  **level service maintenance** maintains City desired level of service
  - c.  **economic development** adds to the City's economic vibrancy
  - d.  **service improvement** new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

- (7) **PROPOSED FUNDING SOURCE(S):**
- 1)
  - 2)
  - 3)

- (10) **PROJECT OR EQUIPMENT LOCATION:**   
 (11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

(9) **FINANCE DEPARTMENT NOTES:**



**CITY OF FRAMINGHAM  
DEPARTMENT OF PUBLIC WORKS**

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100 Western Avenue  
Framingham, MA 01702  
[www.framinghamma.gov](http://www.framinghamma.gov)

To: Bob Lewis, DPW Director  
From: Matthew J. Hayes, P.E., Senior Project Manager - Transportation  
Cc: William Sedewitz, P.E.; Robert Sheldon, P.E.; Eric Johnson, P.E.  
Date: October 17, 2023  
Re: FY25 Capital Improvements Project Request – Culvert Reinspection

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**Project Description** – In 2021 VHB completed a project which created a Culvert Assessment and Prioritization Report for the City. The project included inspecting all City owned culverts, 97 in total. Of the 97 culverts inspected as part of the project, 41 were rated as being in poor or critical condition. The Report recommended critical rated culverts be replaced/repared as soon as possible. At a minimum, critical and poor rated culverts should be reinspected every one to two years. The proposed Culvert Reinspection will include reinspecting the poor and critical rated culverts, which have not yet been repaired or replaced, cleaning and closed circuit TV inspection as needed. An amendment to the 2021 Report will be provided for the City's use in developing costs and advancing repairs to this critical infrastructure.

**Project Justification** – Culverts rated poor and critical have the potential to impact adjacent infrastructure and property. These impacts can include flooding of adjacent properties and roadways, damage to other utilities, roadway collapse, more frequent and costly maintenance/repairs, traffic impacts, and reduced longevity of roadways. The Culvert Assessment and Prioritization Report recommends (p. ES-3), in part that: at a minimum, critical culverts should be evaluated yearly, and poor culverts should be evaluated every two years.

**Project Budget** – The estimated total cost associated with this project is **\$125,500**. VHB provided estimated costs based on review of previously inspected Critical and Poor condition culverts, as well as 6 additional culverts that had not been inspected in the previous review for \$109,100. A 15% contingency has been added to the VHB estimate.

Culvert Assessment and Prioritization Report (March 2021): [https://file.ac/DU\\_AW6baB3M/](https://file.ac/DU_AW6baB3M/)



Memorandum

To: Matthew Hayes  
 110 Western Avenue  
 Framingham, Massachusetts

Date: September 18,  
 2023  
 Project #: 15592.00

From: Mark Costa, PE  
 Tracie Lenhardt, PE

Re: Framingham Culvert Masterplan Reevaluation

The City of Framingham has requested VHB provide a schedule and fee estimate to support the reevaluation and prioritization of culverts rated as "critical" or "poor", in VHB's 2020 master plan assessment of City-owned culverts. The city has also requested the evaluation of four (4) additional culverts within the City. The following is an estimated fee and schedule for this work:

**Fee**

	Direct Labor	PIC	PM	SE	Eng	AE	ET	Task Hours	Task Fee
	\$88.33	\$75.00	\$65.00	\$55.00	\$45.00	\$40.00			
PROJECT INITIATION AND REVIEW OF RECORD									
100 INFORMATION	1	3	5	0	10	0	19	\$1,088.33	
CULVERT ON-SITE EVALUATIONS AND FIELD DATA COLLECTION	7	24	24	62	154	12	283	\$14,779.56	
200 CULVERT EVALUATION	4	16	26	20	80	0	146	\$7,943.32	
300 TECHNICAL MEMORANDUM	0	12	12	0	0	0	24	\$1,680.00	
400 MEETINGS									
							<i>Sub-total</i>	\$25,491.21	
							<i>Sub-total (2.97 Multiplier)</i>	\$75,708.89	
								<i>Expenses</i>	
							Printing	\$400.00	
							Travel	\$500.00	
							CCTV	\$30,000.00	
							Police	\$2,400.00	
							<i>Sub-total</i>	\$33,300.00	
							Total =	\$109,008.89	
							<b>SAY</b>	<b>\$109,100.00</b>	

**Schedule**

- Notice To Proceed: July 1, 2024 (Assumed)
- Project Initiation – 8-10 Weeks (In order to provide a Fall start of fieldwork)
- Field Work Evaluation Start – Approximately Sep 15, 2023 (Weather Dependent), Complete by 11/1/2024
- Technical Report and Prioritization – 1.5 months – Complete by 12/15/2024

**Scope**

**Task 100: Project Initiation and Review of Record Information**

The Consultant will review record information provided by the City of Framingham including Geographic Information System (GIS) electronic data of the culverts and previous inspection records for the 9 critical condition culverts, 33 poor condition culverts, and 5 additional culvert (for a total of approximately 47 culverts). The Consultant will meet with The City to understand any maintenance actions that have been completed for the culverts since the 2020 inspections. The Consultant will also coordinate with the City of Framingham GIS department on reactivating VHB's Vuework account and creating work orders for the culvert evaluation. VHB is assuming the City of Framingham will create the electronic work orders in VueWorks, similar to 2020 assessments.

**Task 200: Culvert On-site Evaluations and Field Data Collection**

The City of Framingham has requested all critical and poor rated culverts be evaluated as part of this scope of work. The Consultant will visit the 47 culverts with one water resources engineer and one structural engineer to evaluate the following criteria of each culvert:

- Culvert shape, size, material
- Longitudinal Alignment
- Headwall/Outfall Condition
- Culvert Deterioration
- Buoyancy or Crushing and Cross-Section Deformation
- Structural Condition of Barrel
- Joints and Seams
- Footings
- Apron/scour protection
- Immediate maintenance items
- Evidence of scour, debris trapping, or flooding

Field data will be collected in electronic format using the VueWorks MobileVUE mobile application via a tablet or smartphone in the field. Data will be downloaded directly to the City's GIS geodatabase. The Consultant has assumed based on the assumption that an average of 6 culverts can be visited per day assuming the field work is conducted in winter/early spring before the vegetation growth. The consultant will have a senior Professional Engineer review all field data collected in-office. The Consultant will also document each culvert with photographs of the inlet, outlet and accessible portions of the interior.

The Consultant is also assuming that five (5) days of Closed-Circuit Television (CCTV) will be required to evaluate culverts which are not accessible from either end due to length, size, or water level. VHB will be on-site for these 5 days and will engage the services of a CCTV subcontractor to complete this work. VHB will also request permission to complete the CCTV inspections from the Framingham Conservation Commission via administrative approval assuming this will be covered under a previously approved Notice of Intent for on-going maintenance.

Task 300: Culvert Evaluation Technical Memorandum

The Consultant will prepare a memorandum summarizing the evaluation and prioritization since the initial evaluation report was completed. This memorandum will:

- Summarize background information
- Present culvert evaluation findings
- Provide update risk scores for each culvert
- Summarize changes to culvert risk rankings
- Outline immediate maintenance items

VHB will also provide conceptual cost estimates to repair or replace critically rated culverts (up to a maximum of 10 culverts) using the Massachusetts Department of Transportation (MassDOT) weighted mean bid prices.

The Consultant will provide one draft report to the City of Framingham, which allows for one round of review and comments. The Consultant will update the report based on the City's comments. The Consultant will provide 3 hard copies and electronic PDF of the final memorandum.

Task 400: Meetings

The Consultant will attend up to three (3) meetings with two (2) Consultant staff members at the City of Framingham Capital Improvements Building or DPW. The Consultant has assumed a duration of 4 hours total for each meeting which includes travel time and preparation.

**Assumptions:**

This proposal is based on the following assumptions and limitations:

- 1) The Consultant will visit and evaluate a total of 47 city-owned culverts. The Consultant will not revisit/evaluate the previous 56 culverts reviewed in 2020 that were ranked as being in adequate condition.
- 2) The Consultant will use the previously created field collection data application and is assuming there will be no updates to the previous culvert evaluation criteria.
- 3) The City of Framingham will provide an electronic version (preferably in Excel) of all field data collected from the evaluations (Both culverts evaluated by the City and the Consultant).
- 4) The City of Framingham GIS department will be responsible for updating asset data if discrepancies are found during the culvert evaluations. The Consultant will note the discrepancy in the inspection form, and the City of Framingham will be responsible for updating the GIS asset data.
- 5) The City of Framingham will be responsible for creating electronic work orders for the 47 culverts.
- 6) The City of Framingham will be responsible for creating log-ins for the Consultant to access the work orders via Viewworks.
- 7) The Consultant is relying on the accuracy and location of culverts in the City of Framingham GIS datalayers and shall not be liable for utilizing incorrect or inaccurate data.
- 8) Five (5) days for eight (8) hours each day of a police detail is included as a direct expense to support the culvert site visit evaluations and CCTV.
- 9) Culvert evaluation may require a CCTV inspection to fully evaluate the condition of the culvert. Based on previous inspections the Consultant assumes 5 days of CCTV in this proposal. Five (5) days for eight (8) hours each day of CCTV is included as a subconsultant expense.



- 10) Approval of the CCTV from the Framingham Conservation Commission will be an administrative approval based on a single submission letter with a map of CCTV locations. A Notice of Intent (NOI) is not included in this proposal.
- 11) No load rating will be calculated as part of the evaluation by the Consultant.
- 12) Notice to proceed will be given in January 2023, with fieldwork beginning in Spring 2023 for the initial culvert field evaluations, followed by CCTV work during low-flow periods.



Memorandum

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110 Western Avenue  
Framingham, Massachusetts

Date: September 18,  
2023  
Project #: 15592.00

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Tracie Lenhardt, PE

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CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

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(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
  
**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**

(3) **PURPOSE OF PROJECT:**

<input checked="" type="checkbox"/>	Replace existing infrastructure
<input type="checkbox"/>	Replace existing capital asset
<input type="checkbox"/>	Replace existing vehicle
<input type="checkbox"/>	Replace equipment
<input type="checkbox"/>	New infrastructure
<input type="checkbox"/>	New capital asset
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(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility						
c. Design	445,000					
d. Construction	2,300,000					
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	<b>2,745,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

(5) **PRIORITY:**

a. <input checked="" type="checkbox"/> <b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input checked="" type="checkbox"/> <b>level service maintenance</b>	maintains City desired level of service
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(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**

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- 2)
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(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

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(9) **FINANCE DEPARTMENT NOTES:**



## CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | ADMINISTRATION

110 Western Avenue  
Framingham, MA 01702

508-532-5600  
dpwgeneral@framinghamma.gov  
www.framinghamma.gov

### MEMORANDUM

**DATE:** October 19, 2023

**TO:** William Sedewitz, P.E., Chief Engineer

**FROM:** Simon Alexandrovich, P.E., Director of Transportation Engineering

**RE:** **FY25 Capital Request – Bishop Street @ Arthur Street Intersection Improvements**

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This appropriation will provide funding for the design and construction of improvements to this intersection. Mayor Sisitsky met with area residents in December 2022 to discuss their safety concerns with this intersection and directed DPW to make this location a priority. Crashes had been increasing in recent years (6 in 2021 and 9 in 2022). Bishop Street handles approximately 7,000 vehicles per day.

In January 2023, interim traffic signal improvements were installed including relocating some of the signal heads and increasing older 8" diameter signal heads to the current standard of 12" diameter. Between January and September 2023, there has been only one reported crash at this intersection. Although the crash frequency has decreased, deficiencies remain that can only be addressed with a more significant project including providing pedestrian signals at this location and adding a sidewalk on the east side on Bishop between the intersection and the school bus located at Bishop Drive.

A 30% preliminary design of intersection improvements is underway and is expected later this fall. The requested funding amount is \$2,745,000. Attached is a conceptual construction cost estimate prepared by VBH and a scoping workbook summary table with estimated design and construction engineering costs.



CONCEPTUAL CONSTRUCTION COST ESTIMATE  
 Bishop Street  
 Intersection Improvement Project  
 Framingham, MA

Job Number: 15529.06  
 Date: July 28, 2023  
 Preparer: NJS  
 Checked by: JCR

Description	Unit Price	Quantity	Total Cost
Full Depth Pavement Less Than 6FT	\$195.00 /SY	170 SY	\$33,150.00
Pavement Micromilling and Overlay	\$66.00 /SY	4,430 SY	\$292,380.00
HMA Drive	\$120.00 /SY	270 SY	\$32,400.00
Cem Conc Walk	\$155.00 /SY	885 SY	\$137,175.00
Cem Conc PCR	\$180.00 /SY	80 SY	\$14,400.00
Cem Conc Drive	\$160.00 /SY	190 SY	\$30,400.00
Loam & Seed	\$23.00 /SY	1,495 SY	\$34,385.00
Additional Excavation	\$35.00 /CY	140 CY	\$4,900.00
Granite Curbing	\$178,900.00 /LS	1 LS	\$178,900.00
Drainage & Sewer Modifications	\$83,050.00 /LS	1 LS	\$83,050.00
Signing & Striping	\$15,000.00 /LS	1 LS	\$15,000.00
Traffic Signals	\$500,000.00 /LS	1 LS	\$500,000.00
Temporary Traffic Control	\$125,000.00 /LS	1 LS	\$125,000.00
Fiber System	\$100,000.00 /LS	1 LS	\$100,000.00

Subtotal: \$1,581,140.00

Framingham Soil & Waste Management (5%):	\$79,057.00
Mobilization (3%):	\$47,434.20
Construction Staking (3%):	\$47,434.20
Police Detail (8%):	\$126,491.20
Inflation (3% each year for 2 years):	\$96,291.43
Contingencies (20%):	\$316,228.00

\$2,294,076.03

Total: \$2,294,076.03

**SAY: \$2,300,000**



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(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility	290,000					
c. Design						
d. Construction						
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	290,000	-	-	-	-	-

(5) **PRIORITY:**

a. <input checked="" type="checkbox"/> <b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
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	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**

- 1)
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(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
(11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

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(9) **FINANCE DEPARTMENT NOTES:**



## CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | OPERATIONS

OPERATIONS CENTER  
100 Western Avenue  
Framingham, MA 01702

508-532-6060  
wastewater@framinghamma.gov  
www.framinghamma.gov

### MEMORANDUM

**DATE:** 10/12/2023

**TO:** William Sedewitz, PE  
Chief Engineer

**FROM:** Eric Johnson, PE  
City Engineer

**RE:** **Beaver Dam Brook Survey and Modeling**

---

Beaver Dam Brook flows through south Framingham and collects drainage from a densely developed area of the City with a large percentage of impervious area. The brook is prone to frequent flooding resulting in property damage and affects residents, businesses, and commuters. Beaver Dam Brook and subsequent flooding is located entirely within Environmental Justice (EJ) areas with the majority of its length located in an area designated EJ for minority, income and English isolation. This request will fund the purchase of a weather station and development of a computer model and allow the City to evaluate alternatives to mitigate the flooding.

The engineering effort to complete this work is primarily with the following components: field survey, create and test hydraulic model, and run scenarios. There is also the purchase of a weather station which will be located at the DPW facility at 100 Western Ave. Weather patterns vary considerably throughout the city and there are no reliable weather stations near Beaver Dam Brook. Ultimately the results of the model will be used to evaluate flood mitigation alternatives.

Supporting cost documents are attached to this memo.

**Beaver Dam Brook Survey and Cost Estimate**

Green International Cost Estimate	\$173,382.00
Cost Adjustment for New MSA	\$17,338.20
Weather Station	\$75,000.00
Subtotal	\$265,720.20
Contingency (10%)	\$26,572.02
Total	\$292,292.22
<b>SAY</b>	<b>\$290,000</b>



Engineering Services  
 Engineer's Work-Hour Estimate  
 and Fee Schedule

City of Framingham  
 Department of Public Works  
 Beaver Dam Brook Hydraulic Study

TASK No.	TASK DESCRIPTION	PROJECT MANAGER	PROJECT ENGINEER	ENGINEER	TECHNICIAN	TOTAL LABOR	TOTAL LABOR	Travel Mileage & Other Expenses	Expenses CSX Permit Fee Allowance	TOTAL EXPENSES
		\$ 70.00	\$ 48.00	\$ 39.00	\$ 34.00					
		\$ 199.50	\$ 136.80	\$ 111.15	\$ 96.90					
										<= Loaded Rate @ 2.85x
<b>TASK 1.0</b>	<b>Beaver Dam Brook Hydraulic Study</b>									
Task 1.1	Field Survey	12	24	44	656	736	\$74,134.20	\$1,000.00	\$12,000.00	\$13,000.00
	14 Structures (Bridges/Culverts)	2	4	8	128	142	\$14,238.60	\$1,000.00		
	52 Channel Cross Sections (13000/250=52)	4	8	16	448	476	\$47,082.00			
	Reduce Field Data	2	4	8	64	78	\$8,037.00			
	CSX Access Permit for Survey of Structure	4	8	12	16	40	\$4,776.60		\$12,000.00	
Task 1.2	Hydrology Modeling - NRCS Method (See Note 2 below)	8	32	64	80	184	\$20,839.20			\$0.00
Task 1.3	Hydraulic Modeling (HEC-RAS)	16	32	48	64	160	\$19,106.40	\$400.00		\$400.00
<b>TOTAL TASK 1.0</b>		<b>36</b>	<b>88</b>	<b>156</b>	<b>800</b>	<b>1,080</b>	<b>\$114,079.80</b>	<b>\$1,400.00</b>	<b>\$12,000.00</b>	<b>\$13,400.00</b>
<b>TASK 2.0</b>	<b>Plot 100-year Flood Plain and Prepare a Memorandum</b>									
Task 2.1	Compare Field Survey of Channel to FEMA Effective FIS	2	4	8	24	38	\$4,161.00			\$0.00
Task 2.2	Show Extent of 100-year flood plain	4	16	24	40	84	\$9,530.40			\$0.00
Task 2.3	Run up to six different Scenarios (Dredging of Channel)	12	24	32	72	140	\$16,210.80			\$0.00
Task 2.4	Coordinate Results with City and Attend Meetings	16	16			32	\$5,380.80	\$400.00		\$400.00
Task 2.5	Prepare Memorandum of Findings	8	16	32	24	80	\$9,667.20			\$0.00
<b>TOTAL TASK 2.0</b>		<b>42</b>	<b>76</b>	<b>96</b>	<b>160</b>	<b>374</b>	<b>\$44,950.20</b>	<b>\$400.00</b>	<b>\$0.00</b>	<b>\$400.00</b>
<b>TOTALS FOR ALL TASKS</b>		<b>78</b>	<b>164</b>	<b>252</b>	<b>960</b>	<b>1,454</b>	<b>\$159,030.00</b>	<b>\$1,800.00</b>	<b>\$12,000.00</b>	<b>\$13,800.00</b>

**Notes/Assumptions:**

- Survey and Hydraulic Modeling of Beaver Dam Brook is only within City of Framingham Limits
- If Flow Discharges are not adopted from the Effective FEMA FIS, We will perform Hydrological Analysis using the NRCS Method
- An allowance of \$12,000 is assumed to obtain permit to access CSX Property to perform Field Survey and one day of flagger
- Coordination with FEMA and preparation of LOMR/CLOMR are not included in this fee

TOTAL LABOR COST	\$159,030.00
DIRECT EXPENSES SUBTOTAL	\$13,800.00
DIRECT EXPENSES FEE (4%)	\$552.00
TOTAL DIRECT EXPENSES	\$14,352.00
<b>TOTAL COST</b>	<b>\$173,382.00</b>

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<input type="checkbox"/>	Replace equipment
<input checked="" type="checkbox"/>	New infrastructure
<input checked="" type="checkbox"/>	New capital asset
<input type="checkbox"/>	New vehicle
<input type="checkbox"/>	New equipment
<input type="checkbox"/>	Strategic/Comprehensive/Master plan

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility						
c. Design						
d. Construction	675,000					
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	675,000	-	-	-	-	-

(5) **PRIORITY:**

a. <input type="checkbox"/>	<b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input type="checkbox"/>	<b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/>	<b>economic development</b>	adds to the City's economic vibrancy
d. <input checked="" type="checkbox"/>	<b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**  
 1)   
 2)   
 3)

(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
 (11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

(9) **FINANCE DEPARTMENT NOTES:**



**CITY OF FRAMINGHAM  
DEPARTMENT OF PUBLIC WORKS**

---

100 Western Avenue  
Framingham, MA 01702  
[www.framinghamma.gov](http://www.framinghamma.gov)

To: Mr. Bob Lewis, DPW Director  
From: Alison L. Eliot, P.E., L.S.P., Senior Stormwater & Environmental Engineer  
Cc: Mr. William Sedewitz, P.E.; Robert Sheldon, P.E.; Eric Johnson, P.E.  
Date: October 11, 2023  
Re: FY25 Capital Improvements Project Request – Sherwin Terrace Drainage

---

**Project Description –**

During precipitation events, stormwater from two public roads (Dunning Avenue and Chataqua Avenue) flow onto Sherwin Terrace, which is a private, non-public road. When these precipitation events are significant, the stormwater can overflow into private properties resulting in property damage. In response to a resident concern, a memorandum dated July 8, 2022 was prepared to review potential alternatives to mediate the concern. The preferred alternative includes redirecting stormwater to new drainage infrastructure which would discharge to a new outfall and detention basin on the undeveloped portion of the City-owned 255 Mt. Wayte Avenue. The project would require an engineering survey of the area, review of flow calculations, sizing and design of the infrastructure and detention basin, developing an Operations & Maintenance Plan specific to the detention basin. The estimate includes these costs as well as construction and installation costs.

**Project Budget –** The estimated total cost associated with the aforementioned project is **\$675,000**. Assumed quantities from the preferred alternative and unit price costs were utilized to estimate the cost of this project.

Sherwin Terrace Drainage

	QUANTITY		COST		
Length of pipe (LF)	400	\$300/LF	\$		120,000.00
Number of structures (ea.)	5	\$9,000/structure (MH or CB)	\$		45,000.00
Pavement milling (SY)	250	\$8/SY	\$		2,000.00
Regrading/pavement (ton)	56	\$127/ton	\$		5,712.00
Trench Pavement (LF)	400	\$100/LF	\$		40,000.00
Water Quality Unit (ea.)	1	\$ 40,000.00	\$		40,000.00
Riprap/headwall Improvements (ea.)	1	\$8,500 ea	\$		8,500.00
<sup>1</sup> Raingarden (ea.)	1	\$200,000 ea.	\$		200,000.00
Raingarden O&M Plan (ea.)	1	\$6,000 ea.	\$		6,000.00
<i>Subtotal</i>			\$		467,212.00
<i>20% Contingency for Engineering</i>			x 1.2		
<i>20% Contingency for Inflation</i>			x 1.2		
<i>With contingency</i>			\$		672,785.28
<b><i>RoundUp</i></b>			\$		<b>675,000.00</b>

**Notes:**

1- Rain garden cost estimate is based upon Lake Waushakum

Beach Resiliency project estimates. (Design \$10k, Permit \$25K, Construct \$175k)

2- All costs are based upon FY24 unit prices

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
  
**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**

(3) **PURPOSE OF PROJECT:**

<input type="checkbox"/>	Replace existing infrastructure
<input type="checkbox"/>	Replace existing capital asset
<input type="checkbox"/>	Replace existing vehicle
<input type="checkbox"/>	Replace equipment
<input type="checkbox"/>	New infrastructure
<input type="checkbox"/>	New capital asset
<input type="checkbox"/>	New vehicle
<input type="checkbox"/>	New equipment
<input checked="" type="checkbox"/>	Strategic/Comprehensive/Master plan

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility	970,000					
c. Design						
d. Construction						
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	970,000	-	-	-	-	-

(5) **PRIORITY:**

a. <input checked="" type="checkbox"/> <b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input type="checkbox"/> <b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/> <b>economic development</b>	adds to the City's economic vibrancy
d. <input checked="" type="checkbox"/> <b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**  
 1)   
 2)   
 3)

(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
 (11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

(9) **FINANCE DEPARTMENT NOTES:**



**CITY OF FRAMINGHAM  
DEPARTMENT OF PUBLIC WORKS**

---

100 Western Avenue  
Framingham, MA 01702  
[www.framinghamma.gov](http://www.framinghamma.gov)

To: Mr. Bob Lewis, DPW Director  
From: Alison L. Eliot, P.E., L.S.P., Senior Stormwater & Environmental Engineer  
Cc: Mr. William Sedewitz, P.E.; Robert Sheldon, P.E.; Eric Johnson, P.E.  
Date: October 11, 2023  
Re: FY25 Capital Improvements Project Request – Stormwater Master Plan

---

**Project Description –**

The City Stormwater Master Plan will be a comprehensive plan including condition assessment of the infrastructure, hydraulic modeling of known flooding areas, updated mapping, and review for water quality improvements. Framingham’s stormwater infrastructure system includes 185 miles of storm drain pipes, 8,000 catch basin structures, 2,000 drain manhole structures, and over 500 outfalls.

Previously, a prioritized phased approach was utilized to assess Framingham’s stormwater system by watershed sub-basins. Stormwater Master Plans Phases I through III were completed between 2008 and 2014 for the Beaver Dam Brook and Farm Pond Sub Bains (2008), Lokerville, Cochituate, Jacobs Brook, Sucker Pond and Angelica Brook drainage sub-basins (2011), and Hop Brook, Dunsdell Brook, Old Town Center and 9/90 drainage sub-basins (2014), respectively. It is recommended to forgo Phase IV and V reports, and to instead, conduct a comprehensive City-wide assessment.

The project will develop specific recommendations for improvements to the system. The comprehensive plan will address regulatory requirements for stormwater quality and climate change predictions for flood mitigation. Failure to complete the work may result in an unpredicted failure of the drainage system and potential non-compliance with the City's NPDES MS4 permit.

**Project Budget –** The estimated total cost associated with the aforementioned project is **\$970,000**. Weston & Sampson provided estimated costs based on estimated staff time to review existing information, conduct condition assessments, developing hydrologic and hydraulic models, Capital Improvement Planning, public engagement and production of final report.

**Framingham, MA – Supporting Documentation for Stormwater Planning & MS4 Permit Compliance**

Stormwater Master Plan

<b>Stormwater Master Plan Components</b>	<b>Estimated Planning Level Costs</b>
Review of Existing Information/Prior Master Planning Efforts	\$20,000
Field Investigations (Condition Assessments/Model Data Collection)	\$150,000
H/H Modeling Analysis – Existing & Future Conditions	\$400,000
Capital Improvement Plan Development: Develop Project List, Estimated Project Costs, Prioritization & Ranking of Projects	\$150,000
Stormwater Master Planning Document	\$150,000
Steering Committee/Public Meetings/Public Engagement	\$100,000
<b>Total Estimated Planning Level Project Cost:</b>	<b>\$970,000</b>

\*185 Miles of Storm Drain, 8,000 Catch Basins, 2,000 Drain Manholes, 500 Outfalls.

Estimate prepared by Weston & Sampson September 2023

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
 The purpose of this project is to line approximately 900 linear feet of 30-inch corrugated metal pipe (CMP). The existing Indian Head Road cross country drainage system includes twin pipes which start at a concrete headwall on the south side of Indian Head Road east of #97 Indian Head Road. The pipes are both 30-inch diameter, one being reinforced concrete pipe (RCP) and other corrugated metal pipe (CMP). These pipes extend northerly under Indian Head Road, then continue perpendicular to the road and across private property all the way to Central Street and daylight at an existing concrete headwall adjacent to the Sudbury River. Routine maintenance and inspection shows areas of deterioration and potential structural deficiency. The CMP is over 80 years old. Pipe of this age and material consistently experiences corrosion and section loss. Lining will reestablish structural integrity and restore the hydraulic capacity.

(3) **PURPOSE OF PROJECT:**

<input checked="" type="checkbox"/>	Replace existing infrastructure
<input checked="" type="checkbox"/>	Replace existing capital asset
<input type="checkbox"/>	Replace existing vehicle
<input type="checkbox"/>	Replace equipment
<input type="checkbox"/>	New infrastructure
<input type="checkbox"/>	New capital asset
<input type="checkbox"/>	New vehicle
<input type="checkbox"/>	New equipment
<input type="checkbox"/>	Strategic/Comprehensive/Master plan

**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility						
c. Design						
d. Construction	220,000					
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	<b>220,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

(5) **PRIORITY:**

a. <input checked="" type="checkbox"/> <b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input checked="" type="checkbox"/> <b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/> <b>economic development</b>	adds to the City's economic vibrancy
d. <input type="checkbox"/> <b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**

- 1)
- 2)
- 3)

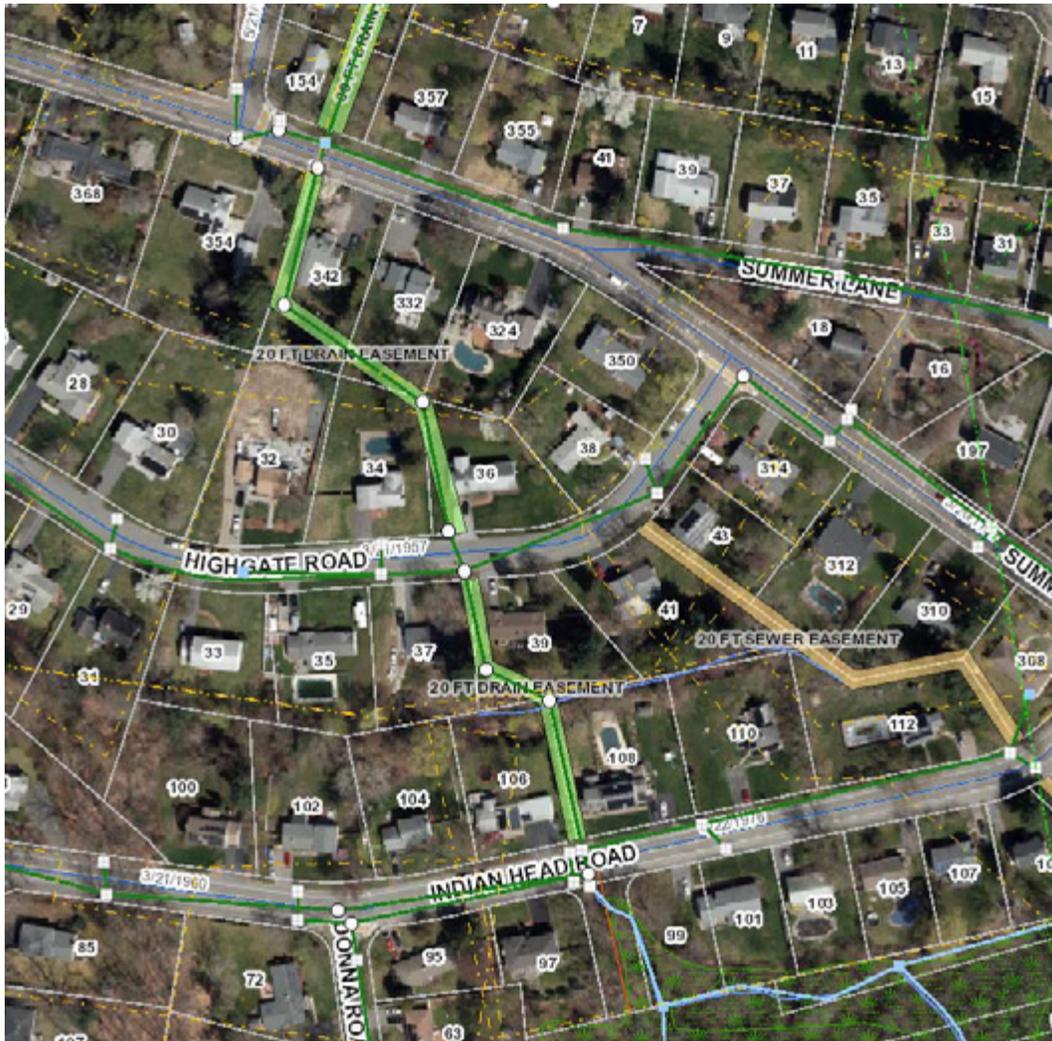
(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
 (11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

**(9) FINANCE DEPARTMENT NOTES:**

## Indian Head Cross Country Drainage Lining



The existing Indian Head Road cross country drainage system includes twin pipes which start at a concrete headwall on the south side of Indian Head Road east of #97 Indian Head Road. The pipes are both 30-inch diameter, one being reinforced concrete pipe (RCP) and other corrugated metal pipe (CMP). These pipes extend northerly from Indian Head Road to Summer Street through drainage easements.

Field inspections reveal that the CMP 30-inch system is prone to collecting sediment and has begun to show signs of deterioration. Lining these drain pipes now will restore pipe integrity allowing the pipe system to function as intended without the expense or inconvenience of open cut excavation.

The estimate for this work is \$101,775.00.

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

<p>(2) <b>PROJECT DESCRIPTION AND JUSTIFICATION:</b></p> <div style="border: 1px solid black; padding: 5px;"> <p>Implementing recommendations generated by the City's Disability Commission will improve accessibility for all who live, work, and visit neighborhoods. The goal of this item is to provide funding for improvements that are beyond the scope of work of comprehensive highway and sidewalk projects, which are part of other specific requests.</p> </div> <p><b>PROJECT ADDITIONS/CHANGES JUSTIFICATION:</b></p> <input type="text"/>	<p>(3) <b>PURPOSE OF PROJECT:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td align="center"><input checked="" type="checkbox"/></td><td>Replace existing infrastructure</td></tr> <tr><td align="center"><input type="checkbox"/></td><td>Replace existing capital asset</td></tr> <tr><td align="center"><input type="checkbox"/></td><td>Replace existing vehicle</td></tr> <tr><td align="center"><input type="checkbox"/></td><td>Replace equipment</td></tr> <tr><td align="center"><input checked="" type="checkbox"/></td><td>New infrastructure</td></tr> <tr><td align="center"><input type="checkbox"/></td><td>New capital asset</td></tr> <tr><td align="center"><input type="checkbox"/></td><td>New vehicle</td></tr> <tr><td align="center"><input type="checkbox"/></td><td>New equipment</td></tr> <tr><td align="center"><input checked="" type="checkbox"/></td><td>Strategic/Comprehensive/Master plan</td></tr> </table>	<input checked="" type="checkbox"/>	Replace existing infrastructure	<input type="checkbox"/>	Replace existing capital asset	<input type="checkbox"/>	Replace existing vehicle	<input type="checkbox"/>	Replace equipment	<input checked="" type="checkbox"/>	New infrastructure	<input type="checkbox"/>	New capital asset	<input type="checkbox"/>	New vehicle	<input type="checkbox"/>	New equipment	<input checked="" type="checkbox"/>	Strategic/Comprehensive/Master plan
<input checked="" type="checkbox"/>	Replace existing infrastructure																		
<input type="checkbox"/>	Replace existing capital asset																		
<input type="checkbox"/>	Replace existing vehicle																		
<input type="checkbox"/>	Replace equipment																		
<input checked="" type="checkbox"/>	New infrastructure																		
<input type="checkbox"/>	New capital asset																		
<input type="checkbox"/>	New vehicle																		
<input type="checkbox"/>	New equipment																		
<input checked="" type="checkbox"/>	Strategic/Comprehensive/Master plan																		

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility						
c. Design						
d. Construction	150,000	150,000	150,000	150,000	150,000	
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	150,000	150,000	150,000	150,000	150,000	-

(5) **PRIORITY:**

a. <input checked="" type="checkbox"/> <b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input checked="" type="checkbox"/> <b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/> <b>economic development</b>	adds to the City's economic vibrancy
d. <input checked="" type="checkbox"/> <b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

<p>(7) <b>PROPOSED FUNDING SOURCE(S):</b></p> <ol style="list-style-type: none"> <li>1) <input type="text" value="Bond"/></li> <li>2) <input type="text"/></li> <li>3) <input type="text"/></li> </ol>	<p>(10) <b>PROJECT OR EQUIPMENT LOCATION:</b></p> <input type="text" value="City-wide"/> <p>(11) <b>ASSET TYPE:</b></p> <input type="text" value="Building"/>
--	--

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

(9) **FINANCE DEPARTMENT NOTES:**



# CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | OPERATIONS

**OPERATIONS CENTER**  
100 Western Avenue  
Framingham, MA 01702

508-532-6060  
wastewater@framinghamma.gov  
www.framinghamma.gov

## MEMORANDUM

**DATE:** 10/17/2023

**TO:** Kathryn Ronconi  
Director of Highway and Sanitation

**FROM:** Diane Hayes  
Senior Highway and Sanitation Engineer

**RE:** **FY2025 ADA Compliance Capital Request**

---

### FY2025 ADA Compliance \$150,000

The City of Framingham currently has a backlog of over 900 missing and/or non-compliant curb cuts. The DPW Highway Division regularly incorporates sidewalk and curb cut ADA Compliance improvements into Capital Roadwork Improvement Projects as required.

In addition, the Highway Division is working with the Disability Coordinator and Disability Commission to address curb-cuts located within 1/4 mile of schools throughout the City.

The City's ADA Coordinator provided Framingham DPW with a list of the missing/non-compliant curb cuts within ¼ mile of the schools in the City. Framingham DPW has mapped these locations in order to guide the prioritization of future work. In total, the ADA Coordinator identified 52 locations, amounting to 112 curb cuts that are currently non-compliant.

These funds are being requested to address the compliance concerns related to sidewalks and curb cuts, prioritizing locations in the City that are closest to schools. The work includes the installation of new ADA-compliant curb cuts within ¼ mile of schools in Framingham. The goal of the project is to provide safe pedestrian access for residents in the vicinity of the schools, especially addressing the needs of families and children walking to and from school throughout the academic year. Additional locations may be prioritized based upon recommendations by the Disability Coordinator and/or Disability Commission.

#### Project Attachments

1. Location of Missing Curb Cuts Table
2. ADA Improvements w/School Buffer Areas and Environmental Justice Map
3. Cost Estimate per Curb Cut
4. Link to Sidewalk and Curb Cut Report



Non-compliant curb cut on Danforth Street.

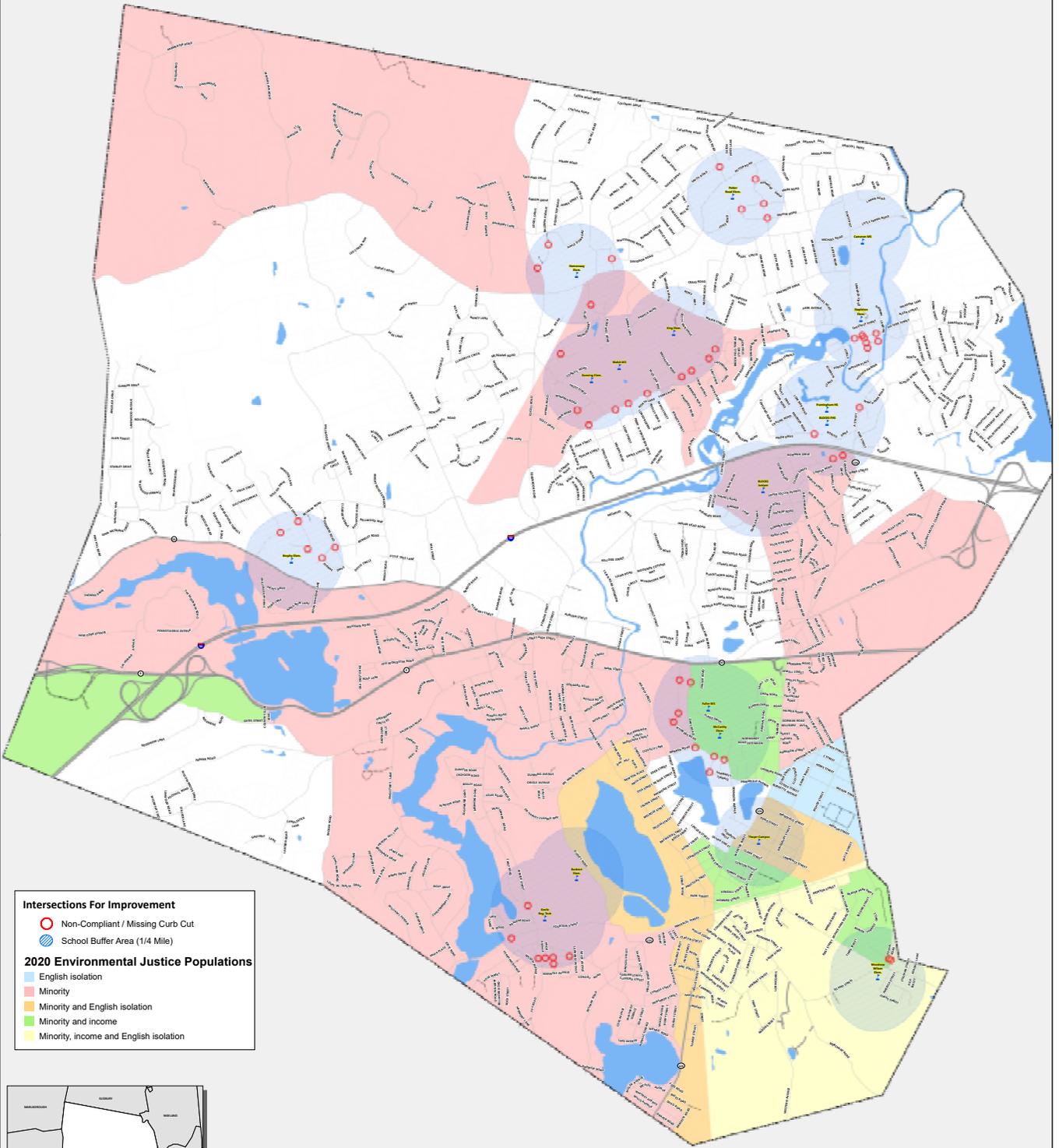
Quarter Mile of Schools Curb Cut Locations	Curb Cuts Required
High School	
Dunham & A	2
Prior & Lowther	2
Cherry & Cunningham	2
Cherry & Campello	2
Fuller	
Oaks Road & Leslie Road	2
Stoney Brook Road & Flagg Drive	1
Stoney Brook Road & Kittredge Road	2
Canterbury Place, Stoney Brook Road, & Leslie Road	1
Warren Road & Oaks Road	4
Walsh	
Brook Street & Wesley Road	2
Brook Street & Perry Henderson Drive	2
Brook Street & Ward Farm Circle	2
Brophy	
Gibbs Valley Path & Monterey Lane	2
Berkeley Road & Woodmere Road	4
Berkeley Road & Joanne Drive	2
Belknap Road & Major Hale Drive	2
Belknap Road & Flanagan Drive	3
Dunning	
Lomas Drive & Lomas Circle	1
Terri Road & Winnifred Road	2
Brook Street, Merrideth Circle & Leigh Street	4
Brook Street & Spruce Street	2
Hemenway	
Gregory Road & Davidson Road	2
Montgomery Drive & Bacon Road	1
Edgell Road & Donovan Drive	2
Donavan Drive at Cul De Sac	1
King	

Brook Street & Brookfield Avenue	2
Brook Street, Salvi Drive & Brookbury Circle	4
Brook Street & Linda Avenue	2
Brook Street & Fairbrook Road	2
McCarthy	
Shawmut Terrace & Brigham Terrace	2
Warren Road & Brigham Road	2
Warren Road & Robertson Road	2
Potter	
Sheffield Road & Turner Road	1
Mary Agnes Road & Savoy Road	2
Griffin Road & Edith Road	2
Griffin Road & Turner Road	2
Stapleton	
Concord Street & Danforth Street	2
Mechanics Street & Concord Street	2
Danforth Street & Danforth Court	2
Danforth Court & Mechanic Street	1
Fuller Street & Concord Street	2
Elm Street, Concord Street, & Central Street	4
Water Street & Central Street	4
Harmony Grove	
Glen Street & Carlson Road	1
Pusan Road & Carlson Road	1
Keefe	
Fountain Street & Pincushion Road	1
Benson Avenue & Daytona Avenue	2
Benson Avenue & Palmetto Avenue	4
Weybosset Avenue & Palmetto Avenue	4
Knox Avenue & Benson Avenue	1
Fay Road, Benson Avenue & Victory Street	3
Entrance to Keefe Tech and Cushing Park on Winter Street	3
Total ramps	112

# City of Framingham, Massachusetts

## Curb Ramp Inventory and Assessment

### Intersections For Improvements w/ School Buffer Areas



**Intersections For Improvement**

- Non-Compliant / Missing Curb Cut
- School Buffer Area (1/4 Mile)

**2020 Environmental Justice Populations**

- English isolation
- Minority
- Minority and English isolation
- Minority and income
- Minority, income and English isolation



**DRAFT**

Issue Date: September 11, 2023

This Map is Intended for Planning Purposes Only





Link for Framingham Curb Ramp Inventory Report:

<https://file.ac/2vmq18WKAVM/>

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
 This funding provides ongoing roadway, curb, sidewalk and related infrastructure rehabilitation and improvements necessary to retain an overall State of Good Repair citywide, as well as safety and accessibility improvements. The majority of this work provides roadway resurfacing such as mill and overlay, stress absorbing membrane interlayer, bonded wearing course, rubber chip seal, mill and fill and crack sealing. Without substantial and appropriate ongoing roadway work, this infrastructure deteriorates rapidly, costs more to raise back up to a State of Good Repair, and increases the annual needs and costs for roadway maintenance, including emergency and other corrective repairs. In order to provide a consistent State of Good Repair, the extent and costs of maintenance and operations of roads will increase if roads are allowed to deteriorate. Also, rehabilitation, replacement and improvements of drainage can reduce that deterioration, as accomplished in Annual Drainage & Water Quality and Annual MS4 Permit Implementation.

(3) **PURPOSE OF PROJECT:**

<input checked="" type="checkbox"/>	Replace existing infrastructure
<input checked="" type="checkbox"/>	Replace existing capital asset
<input type="checkbox"/>	Replace existing vehicle
<input type="checkbox"/>	Replace equipment
<input type="checkbox"/>	New infrastructure
<input type="checkbox"/>	New capital asset
<input type="checkbox"/>	New vehicle
<input type="checkbox"/>	New equipment
<input type="checkbox"/>	Strategic/Comprehensive/Master plan

**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility						
c. Design						
d. Construction	8,500,000	8,500,000	8,500,000	8,500,000	8,500,000	42,500,000
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	<b>8,500,000</b>	<b>8,500,000</b>	<b>8,500,000</b>	<b>8,500,000</b>	<b>8,500,000</b>	<b>42,500,000</b>

(5) **PRIORITY:**

a. <input checked="" type="checkbox"/> <b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input checked="" type="checkbox"/> <b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/> <b>economic development</b>	adds to the City's economic vibrancy
d. <input type="checkbox"/> <b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**

- 
- 
- 

(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
 (11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

**(8) PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

Robert A. Lewis

**(9) FINANCE DEPARTMENT NOTES:**



## CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | OPERATIONS

OPERATIONS CENTER  
100 Western Avenue  
Framingham, MA 01702

508-532-6060  
wastewater@framinghamma.gov  
www.framinghamma.gov

### MEMORANDUM

**DATE:** 10/17/2023

**TO:** Kathryn Ronconi  
Director of Highway and Sanitation

**FROM:** Diane Hayes  
Senior Highway and Sanitation Engineer

**RE:** **FY2025 Various Road and Sidewalk Improvements Capital Request**  
**Amount: \$8,500,000**

---

#### Various Road and Sidewalk Improvements

This program provides funding for the roadway resurfacing and roadway surface treatment improvements on of the City's arterial and secondary road segments, including pavement, curbing, sidewalks, drainage, signage and pavement markings. Public Works is responsible for the maintenance of the City of Framingham's roadway network and management of the Roadway Capital Improvement Program.

The roadway network is a critical piece of the City's infrastructure, requiring considerable maintenance, as identified and prioritized according to the City's Road Surface Rating (RSR) reported in the Pavement Management Program. Roadways are identified for rehabilitation based on traffic volume, repair costs, repair life expectancy and road condition, and are selected based on their benefit to the City.

This list is for planning purposes in conjunction with other utilities including water and sewer, gas, communications, drainage, and private development, all of which impact the Department's ability to perform work. Other locations may be identified requiring prioritization under this appropriation. Funding also incorporates Mill and Fill operations at various locations as part of the pavement management planning for the road program.

The following locations are tentatively scheduled for roadwork the upcoming fiscal year:

#### **Surface Treatment: Bonded Wearing Course (NovaChip)**

Central Street, Edgell Road to Water Street

Pavement and ADA Compliant Curb Cut Improvements

According to the City's Pavement Management Program, Elm Street has an RSR of 58.21 with 80% of the roadway requiring repair. Additionally, the City's Curb Ramp & Sidewalk Inventory &

Assessment and Preliminary Compliance Report lists several missing and/or non-compliant curb cuts along Elm Street. The DPW Preliminary Prioritization plan for ADA Compliance focuses on walking routes within one (1) mile of schools. The Stapleton Elementary School, Framingham High School, BLOCKS Little Explorers at Juniper Hill and BLOCKS Little Explorers at FHS are within one mile of Elm Street so this location ranks as high priority. Residents frequently report issues with the curb cuts along Central Street. The Disability Commission also considers Central Street high on their list of priorities. Furthermore, accessibility improvements will provide connectivity to access shopping, open spaces, places of worship, and access to MWRTA bus routes.

The DPW Highway Division applied for a Municipal ADA Improvement Grant submitted to the Massachusetts Office on Disability (MOD) in September 2023.



Central Street



## CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | OPERATIONS

OPERATIONS CENTER  
100 Western Avenue  
Framingham, MA 01702

508-532-6060  
wastewater@framinghamma.gov  
www.framinghamma.gov

### Roadway Rehabilitation

Route 30/Cochituate Road Concord Street to Mass Pike Ramps (select locations) RSR 70

Pavement improvements, ADA compliant sidewalks and curb ramps

Grove Street Belknap Road to Vernon Street RSR 55

Pavement improvements, drainage, culvert repair

Maple Street Franklin Street to Winter Street RSR 63

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

Maynard Road Salem End Road to State Street RSR 57

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

Salem End Road Winter Street to High Street RSR 67

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

High Street Salem End Road to Main Street RSR 64

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

State Street Salem End Road to Maple Street RSR 82

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

Fountain Street Winter Street to Ashland Townline RSR 55

Pavement improvements, ADA compliant sidewalks and curb ramps, drainage, guardrail replacement, and culvert repair

Winter Street Fountain Street to Maple Street RSR 55

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

Dudley Road Fountain Street to Mount Wayte Avenue RSR 49

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

Mt. Wayte Avenue Dudley Road to Union Avenue RSR 49

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

Dr. Harvey Cushing Way Dudley Road to Winter Street RSR 47

Pavement improvements

Brook Street Edgell Road to Water Street RSR 67

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

The Mountain Road California Avenue to End RSR 39

Pavement improvements and minor drainage

Carter Drive Edmands Road to End RSR 62

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

Parker Road Gates Street to Townline RSR 52

Pavement improvements and minor drainage

Bishop Street Howard Street to Hartford Street RSR 65

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

Tripoli/Fay Road Area RSR 58

Pavement improvements, ADA compliant sidewalks and curb ramps, minor drainage

Elm Street

Sidewalk Improvements



Fountain Street



Salem End Road



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### Surface Treatment: Rubber Chip Seal

#### Pinefield Area Phase II

Pavement and ADA Compliant Curb Cut Improvements

Ashmont Drive (RSR 50)  
Bradford Road Upper Joseph Road to Potter Road (RSR 35)  
Coe Road (RSR 55)  
Elmfield Road (RSR 95)  
Griffin Road\* (Temi to End) (RSR 50)  
Larnis Road (RSR 46)  
Little Farms Road (RSR 61)  
Mark Road (RSR 46)  
Oakwood Court (RSR 63)  
Sheffield Rd (RSR 46)  
Temi Road (RSR 51)  
Turner Road (RSR 49)  
Upton Road (RSR 52)

\*Griffin Road requires additional sidewalk work

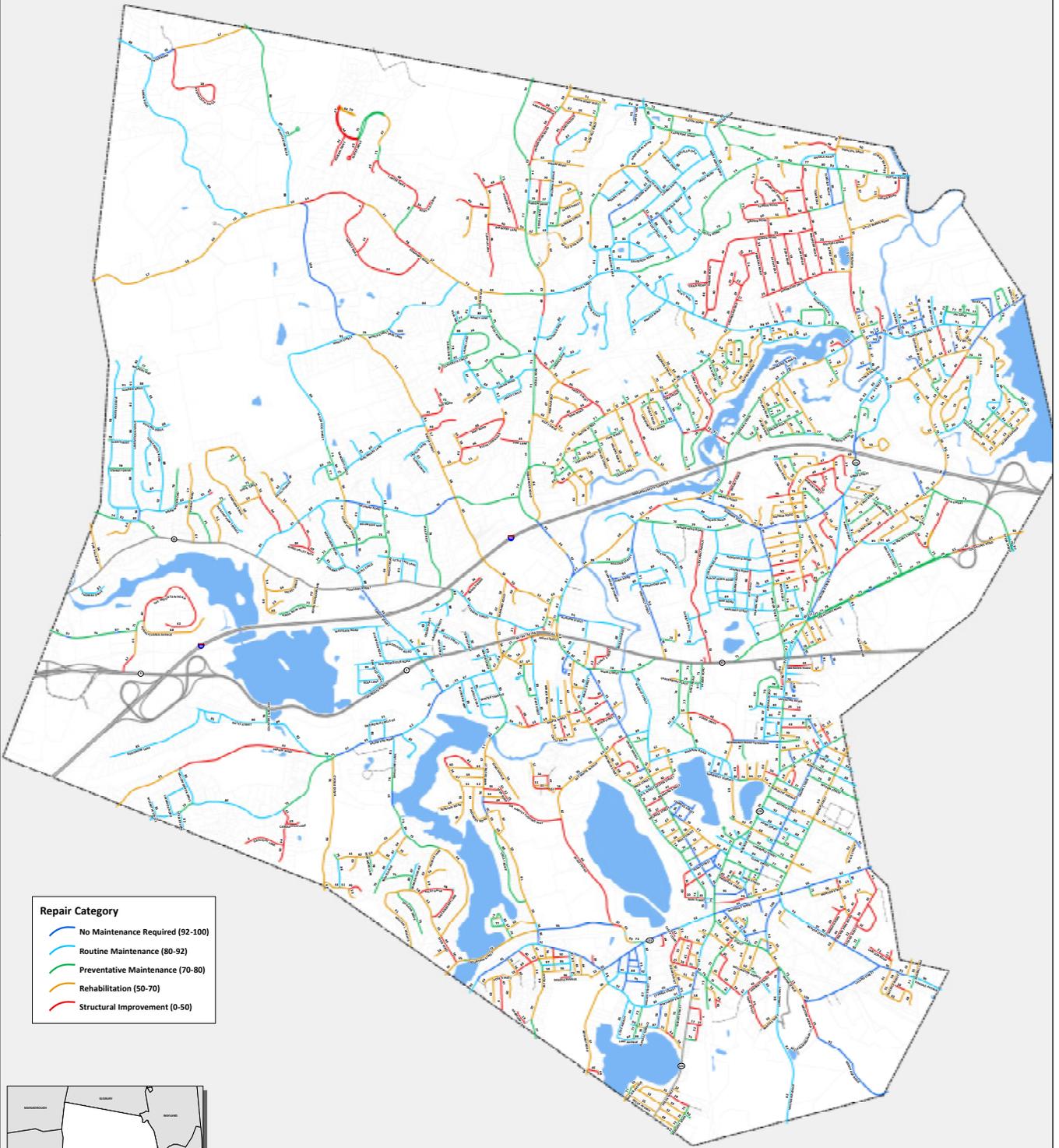


Sheffield Road

# Framingham, Massachusetts

## Pavement Management Program

### Road Surface Ratings & Repair Categories



Repair Category	
	No Maintenance Required (92-100)
	Routine Maintenance (80-92)
	Preventative Maintenance (70-80)
	Rehabilitation (50-70)
	Structural Improvement (0-50)



**DRAFT**

Issue Date: February 21, 2012

This Map is Intended for Planning Purposes Only



# Framingham, MA

## City Accepted: Roadway Repair Backlog Summary

Repair Method	Length (Miles)	Square Yards	Percent Repair	Estimated Cost
Structural Improvement	35.75	583,660.69	15.92%	\$52,529,462.16
Rehabilitation	65.91	1,064,617.50	29.36%	\$31,938,524.99
Preventative Maintenance	43.16	722,911.86	19.22%	\$10,048,474.80
Routine Maintenance	60.11	963,351.46	26.77%	\$963,351.46
No Maintenance Required	19.58	338,679.40	8.72%	\$0.00

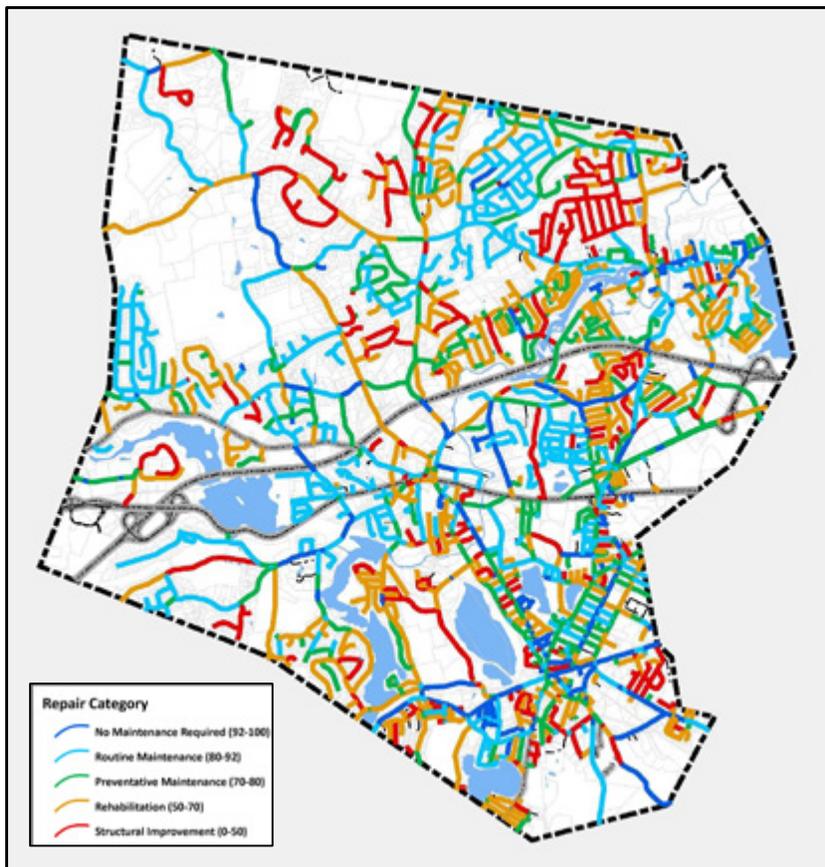
Total:	224.51	3,673,220.91	100.00%	\$95,479,813.41
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Average RSR By Segment:	69.35
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### RSR - Road Surface Rating (0-100)

Please Note: Unit pricing accounts for curb to curb improvements only; Does not include any drainage, sidewalk, ADA, gravel subbase or utility improvements.

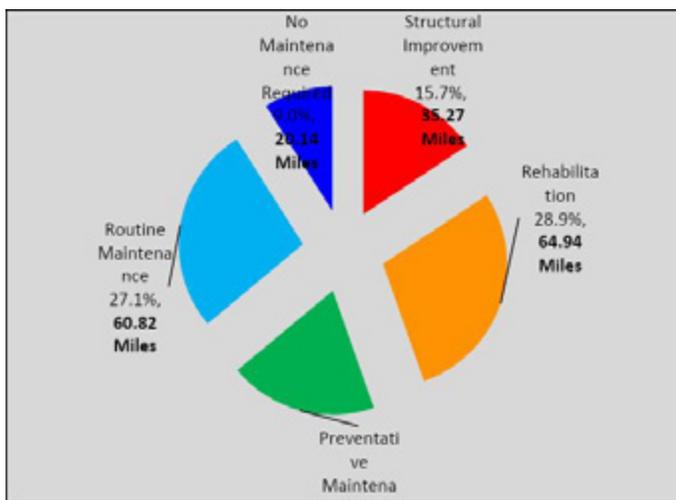
## Pavement Condition Map



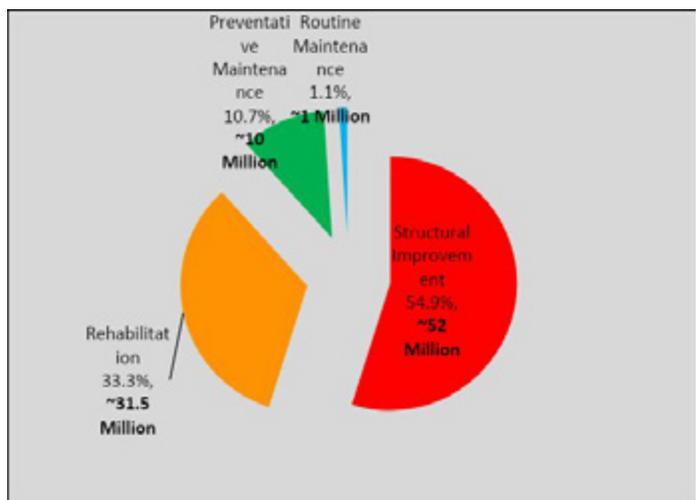
The Department prioritizes maintenance on roads with a roadway surface rating (RSR) of 50-80 (pictured in orange and green)

The Pavement Condition Map was most recently updated in February 2022 and is continually updated when roadway maintenance is performed.

## Outstanding Work



Miles of Outstanding Work

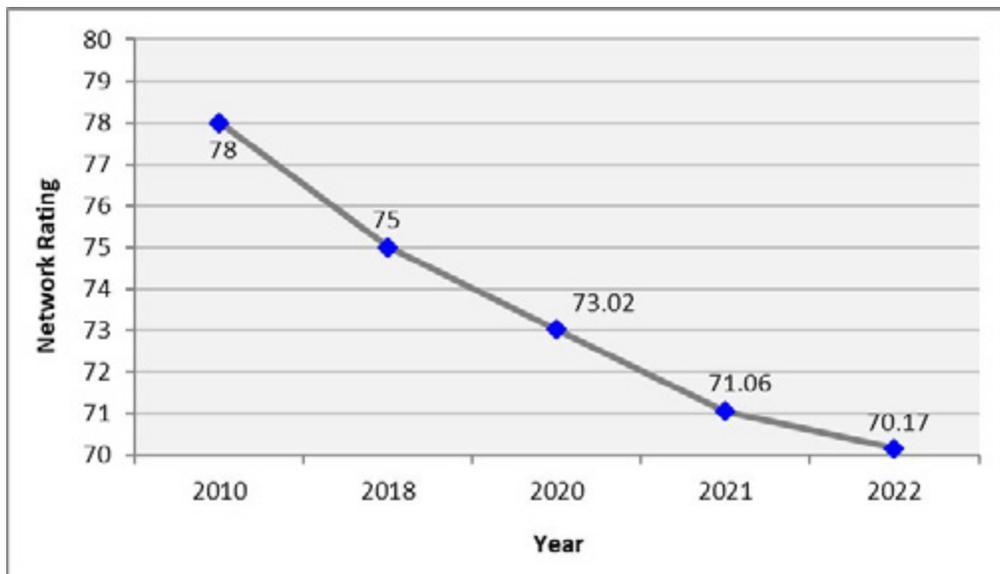


Dollars of Outstanding Work

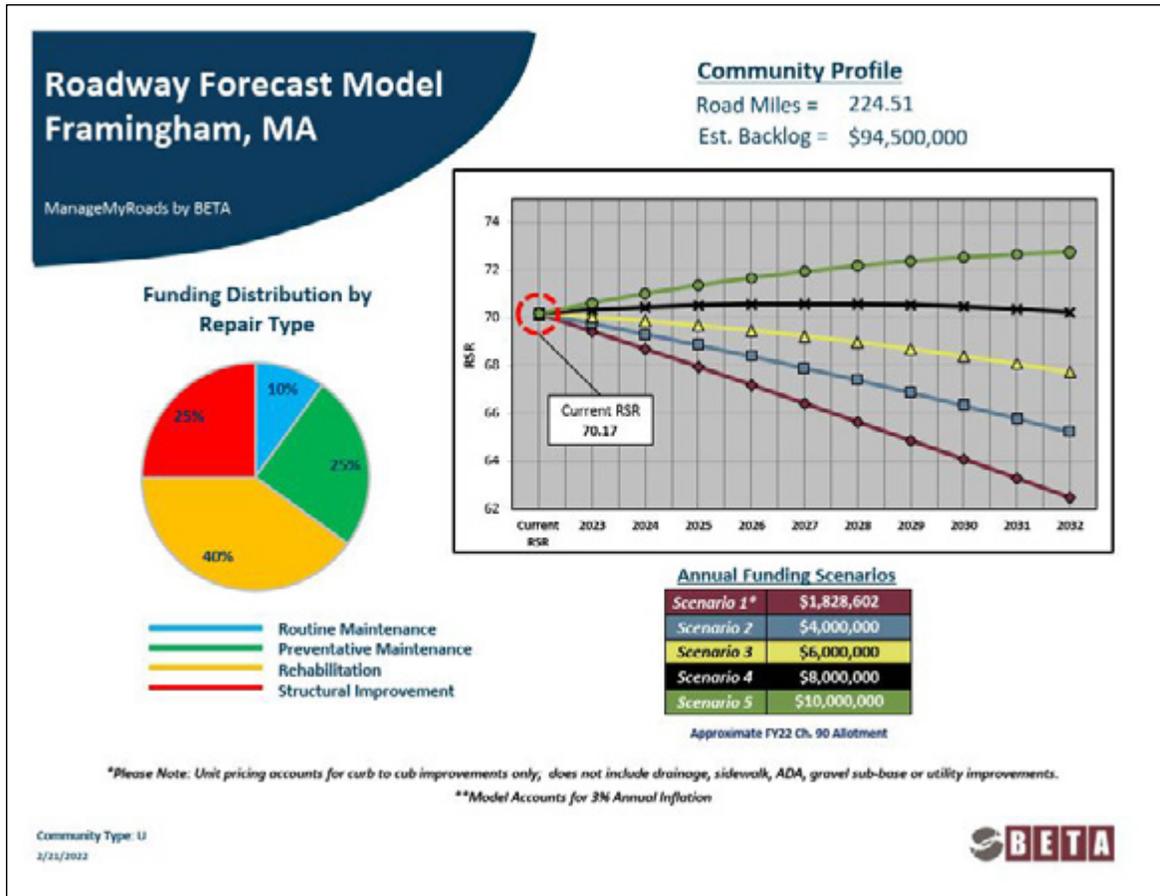
While only approximately 16% of the City's roads are in need of structural improvement repair, they account for 55% of the outstanding backlog of work in terms of dollars.

Structural Improvement is the most expensive category of street repair. It should also be noted that approximately 46.5% of the City's road miles are in need of preservation treatments. It makes good fiscal sense to spend the relatively limited funds required to extend the lives of a large quantity of street in need of maintenance.

## Network Rating Over Time



# 10 Year Forecast



Link for Framingham Curb Ramp Inventory Report:

<https://file.ac/2vmq18WKAVM/>

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
 Vehicle and equipment per Public Work's vehicle management and replacement schedule. The procurement and upkeep of equipment is a significant factor in providing cost-effective and reliable service for systems operation, maintenance, repair, rehabilitation and replacements. All vehicles and equipment are managed through the Fleet Department and included within a replacement schedule according to specific criteria, such as age, mileage, and major repairs needed for continued reliable service. Industry and Framingham DPW experience indicates that above those thresholds maintenance increases substantially to assure service reliability, as do major repairs, none of which provide a return on investment, and they are not sustainable with the current DPW facility and staffing. In addition to daily service for the various Divisions, nearly all vehicles and equipment are used for the Department's snow and ice management program which is particularly destructive to vehicles.

(3) **PURPOSE OF PROJECT:**

<input type="checkbox"/>	Replace existing infrastructure
<input type="checkbox"/>	Replace existing capital asset
<input checked="" type="checkbox"/>	Replace existing vehicle
<input checked="" type="checkbox"/>	Replace equipment
<input type="checkbox"/>	New infrastructure
<input type="checkbox"/>	New capital asset
<input type="checkbox"/>	New vehicle
<input type="checkbox"/>	New equipment
<input type="checkbox"/>	Strategic/Comprehensive/Master plan

**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility						
c. Design						
d. Construction						
e. Equipment/Vehicles	2,090,000	1,627,000	1,000,000	1,950,000	1,060,000	1,606,183
f. Contingency						
g. Other						
<b>TOTAL</b>	<b>2,090,000</b>	<b>1,627,000</b>	<b>1,000,000</b>	<b>1,950,000</b>	<b>1,060,000</b>	<b>1,606,183</b>

(5) **PRIORITY:**

a. <input checked="" type="checkbox"/> <b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input checked="" type="checkbox"/> <b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/> <b>economic development</b>	adds to the City's economic vibrancy
d. <input type="checkbox"/> <b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**

1) <b>Bond</b>
2) <input type="text"/>
3) <input type="text"/>

(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
 (11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

Robert A. Lewis

(9) FINANCE DEPARTMENT NOTES:

DRAFT

Public Works - Fleet Replacement Program

DRAFT

UNIT #	Division Assignment	IN SERVICE	YEAR	CURRENT	VIN	DESCRIPTION	AGE 2023	LIFE	REPLACE DUE	2023	2024	2025	2026	2027	2028	2029
										YES						
1	Admin.	Lewis, R.	2014	FORD	1FAHP2H1E1G107230	FORD TAURUS	11	15	2024		\$50,000					
8	Admin.	Sedewitz, W.	2015	FORD	1FAHP2H2F1G112096	FORD TAURUS	8	15	2030							
64	Engineering	Norsworthy, J.	2013	FORD	1FMSK8AR2DGB28647	FORD EXPLORER	10	15	2028						\$49,000.00	
74	Engineering	Tomassani, J.	2015	FORD	1FMSK8AR9FCA78512	FORD EXPLORER	8	15	2030							
80	Engineering	Johnson, E.	2011	FORD	1FAHP2H1E1G113284	FORD TAURUS	12	15	2026				\$29,000.00			
801	Engineering	Marchessault, R.	2015	NISSAN	1NAZ0CP3C318793	NISSAN LEAF	8	10	2025			\$45,000.00				
802	Engineering - DNR	Alexandrovich, S.	2013	FORD	1FMSK8AR4DGB28648	FORD EXPLORER	10	15	2028						\$49,000.00	
803	Engineering - DNR	Curran, T. & Surwyor	2013	FORD	1FMSK8B89DCB86034	FORD EXPLORER	10	15	2028						\$49,000.00	
804	Engineering	Stok, A. & Di Permitts	2013	FORD	1FAHP2H1E1G116954	FORD TAURUS	10	15	2028						\$29,000.00	
805	Engineering	Sheldon, R.	2015	FORD	1FMCU8G99FUB65309	FORD ESCAPE	8	15	2030							
808	Engineering	Kovar, LoCasto, Nguyen	2011	FORD		FORD ESCAPE	8	15	2026			\$29,000.00				
F12	Engineering	Hayes M.	2015	NISSAN	1NAZ0CP3C31866	NISSAN LEAF	8	10	2025			\$45,000.00				
3	Fleet	Rousseau, J.	2014	FORD	1FMSK8D87EGB54570	FORD EXPLORER	9	15	2029							
301	Fleet		2008	FORD	1FDUF87R7E6A8611	15,000 GVW 4 WD C&C W/UTILITY BODY	17	15	2021				\$140,000.00			
302	Fleet		2015	FORD	1FDUSHT0FEA88894	17,500 GVW 4WD C & C W/ SERVICE BODY	8	15	2030							
303	Fleet		2013	FORD	1FTFX1E14DFA07924	3,200 GVW 4WD PICKUP TRK	10	15	2028						\$55,000.00	
304	Fleet		2002	CAT	AT28850137	12,000# FORK LIFT	21	25	2027						\$90,000.00	
4	Highway	Ronconi, K.	2014	FORD	1FMSK8AR8EG869025	EXPLORER-4WD UTILITY VEHICLE	9	15	2029							\$60,000.00
40	Highway		2016	FORD	1FTX1E1E3GF421438	F150-7.0L GVW 4WD PU TRK	7	12	2028						\$55,000.00	
41	Highway	Greenwood, D.	2016	FORD	1FTX1E1E3GF421340	F150 4WD PU TRK WITH PLOW	7	12	2028						\$55,000.00	
42	Highway	Stallamora, J.	2017	FORD	1FTX2B68HEB49617	F250-10,000 GVW 4WD PU TRK&PLOW	6	12	2029						\$60,000.00	
43	Highway	Neto, J.	2017	FORD	1FTX2B68HEB49615	F250-10,000 GVW 4WD PU TRK&PLOW	6	12	2029						\$60,000.00	
44	Highway		2019	FORD	1FDUF4HY2E1E44678	F250-10,000 GVW 4WD PU TRK&PLOW	4	12	2031							
45	Highway	Bruce, N.	2017	FORD	1FTX2B68HEB49616	F250-10,000 GVW 4WD PU TRK & PLOW	6	12	2029						\$60,000.00	
46	Highway		2016	FORD	1FDUF3P61CEB08204	F350-11,000 GVW 4 WD C&C W/UTL BODY & PLOW	7	12	2028						\$75,000.00	
48	Highway		2011	FORD	1FTX1E1E3GF421438	F150-7.0L GVW 4WD PU TRK	12	12	2023		\$55,000.00					
401	Highway		2015	FORD	1FTX2B68HEB49617	F250-10,000 GVW 4WD PU TRK & PLOW	8	12	2027			\$55,000.00				
403	Highway		2012	FORD	1FTX2B68HEB49615	F250-10,000 GVW 4WD PU TRK & PLOW	11	12	2024			\$55,000.00				
404	Highway		2012	FORD	1FTX2B68HEB49617	F250-10,000 GVW 4WD PU TRK & PLOW	11	12	2024		\$55,000.00					
405	Highway		2012	FORD	1FTX2B68HEB49616	F250-10,000 GVW 4WD PU TRK & PLOW	11	12	2024			\$55,000.00				
406	Highway	DeFlumere, W.	2016	FORD	1FTWZB6XGEC29652	F250-11,000 GVW 4WD PU TRK QUAD CAB	7	12	2028						\$55,000.00	
408	Highway		2019	FORD	1FDUF5HYK02E29355	F550-15,000 GVW 4 WD C&C W/RACK BODY&PLOW	4	15	2034			\$75,000.00				
409	Highway		2008	FORD	1FDUF57R78EC18855	F550-15,000 GVW 4 WD C&C W/RACK BODY&PLOW	15	15	2023			\$75,000.00				
410	Highway		2022	FORD	1FDUF57R78EC18855	F550-15,000 GVW 4 WD C&C W/RACK BODY&PLOW	1	15	2037							
411	Highway		2015	FORD	1FDUSHT0FEA88894	F550-18,500 GVW 4WD C&C W/DUMP BODY&PLOW	8	12	2027				\$75,000.00			
412	Highway		2012	FORD	1FDUSHT0FEA88894	F550-15,000 GVW 4WD C&C W/DUMP BODY&PLOW	11	12	2024			\$75,000.00				
413	Highway		2017	FORD	1FDUSHT0FEA88894	F550-15,000 GVW 4WD C&C W/DUMP BODY&PLOW	6	12	2029							\$85,000.00
415	Highway		2012	FORD	1FDUSHT0FEA88894	F550-15,000 GVW 4WD C&C W/DUMP BODY&PLOW	11	12	2024			\$75,000.00				
416	Highway	Schloski, Z.	2012	FORD	1FDUSHT0FEA88894	F550-15,000 GVW 4WD C&C W/DUMP BODY&PLOW	11	12	2024			\$75,000.00				
417	Highway		2022	FORD	1FDUSHT0FEA88894	F550-15,000 GVW 4WD C&C W/DUMP BODY&PLOW	1	15	2037							
418	Highway	Fabrizio, F.	2012	FORD	1FDUF3P61CEB08204	F350-11,000 GVW 4 WD C&C W/UTL BODY & PLOW	11	12	2024			\$75,000.00				
419	Highway	OSHKOSH														
420	Snow & Ice		2008	MACK	1M2A04078M003272	GU713-72,000 GVW C&C W/ SANDER&PLOW	15	20	2028						\$250,000.00	
420A	Snow & Ice		2006	TARCO		6 CY MATERIAL SPREADER	17	20	2026							
421	Snow & Ice		2016	MACK	1M2A022CRGM022276	GU713-40,000 GVW C&C W/ DUMP BODY&PLOW	7	20	2036							
421A	Snow & Ice		2015	TARCO		6 CY MATERIAL SPREADER	8	20	2035							
422	Snow & Ice		2008	MACK	1M2A022CRGM001081	GU712-40,000 GVW C&C W/ DUMP BODY&PLOW	15	20	2028							
422A	Snow & Ice		2015	TARCO		6 CY MATERIAL SPREADER	8	20	2035							
423	Snow & Ice		2011	OSHKOSH	10TBRAF30B5133446	MPT-40,000 GVW C&C W/DUMP-SAND BODY&PLOW	12	20	2031							
424	Snow & Ice		2011	OSHKOSH	10TBRAF30B5131180	MPT-40,000 GVW C&C W/DUMP-SAND BODY&PLOW	12	20	2031							
425	Snow & Ice		2008	MACK	1M2A022CRGM001080	GU713-40,000 GVW C&C W/ DUMP BODY&PLOW	15	20	2028							
425A	Snow & Ice		2008	TARCO		6 CY MATERIAL SPREADER	15	20	2028							
426	Snow & Ice		2009	MACK	1M2A022CRGM001161	GU712-40,000 GVW C&C W/ DUMP BODY&PLOW	14	20	2029						\$235,000.00	
426A	Snow & Ice		2015	HIGHWAY		6 CY MATERIAL SPREADER	8	20	2035							
427	Snow & Ice		2008	MACK	1M2A022CRGM001082	GU712-40,000 GVW C&C W/ DUMP BODY&PLOW	15	20	2028							
427A	Snow & Ice		2008	TARCO		6 CY MATERIAL SPREADER	15	20	2028							
428	Snow & Ice		1997	VOLVO	4VHJAKFE1VN859417	W642-35,000 GVW C&C W/SANDER&PLOW	26	20	2017							
428A	Snow & Ice		2004	HIGHLANDER		6 CY MATERIAL SPREADER	19	20	2024							
429	Snow & Ice		2001	VOLVO	4VSSCBJF31N310312	ACL-65,000 GVW C&C W/SANDER&PLOW	22	20	2021			\$250,000.00				
430	Snow & Ice		2001	STERLING	2FAAWBSA1A22890	LB500-35,000 GVW C&C W/SANDER&PLOW	22	20	2021			\$250,000.00				
430A	Snow & Ice		1999	HIGHWAY		6 CY MATERIAL SPREADER	29	20	2015							
431	Snow & Ice		2008	MACK	1M2A04078M003330	GU713-72,000 GVW C&C W/SANDER&PLOW	15	20	2028						\$250,000.00	
432	Snow & Ice		2009	MACK	1M2A04078M006487	GU713-72,000 GVW C&C W/SANDER&PLOW	14	20	2029							

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Public Works - Fleet Replacement Program

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UNIT #	Division Assignment	IN SERVICE	YEAR	CURRENT	VIN	DESCRIPTION	AGE 2023	LIFE YES	REPLACE QTR	2023	2024	2025	2026	2027	2028	2029
433	Snow & Ice		2005	MACK	1M2AG1C05M024681	GU713-72.000 GVV C&C W/SANDER&PLOW	18	20	2025							\$250,000.00
434	Snow & Ice		2010	MACK	1M2AX0M1AM008649	GU713-72.000 GVV C&C W/SANDER&PLOW	13	20	2030							
435	Snow & Ice		2008	MACK	1M2AG1C05M010654	GU713-72.000 GVV C&C W/SANDER&PLOW	18	20	2024				\$250,000.00			
436	Snow & Ice		2004	STERLING	2FZH4ZY24M85289	L9500-70.000 GVV C&C W/SANDER&PLOW	19	20	2024				\$250,000.00			
437	Snow & Ice		2019	MACK	1M2GR3GC5KM011220	GU713-72.000 GVV C&C W/ DUMP BODY&PLOW	4	20	2039							
437A	Snow & Ice		1999	FARRANT		10 CY MATERIAL SPREADER	24	20	2019							
438	Snow & Ice		2020	MACK		GU713-70.000 GVV C&C W/ DUMP BODY&PLOW	3	15	2035							
439	Snow & Ice		2009	MACK		GU713-72.000 GVV C&C W/SANDER&PLOW	14	20	2029							\$250,000.00
440	Highway / Lq. Specialty		2008	MACK		GU713-35.000 GVV C&C W/AERIAL LIFT	15	15	2023							
441	Highway / Lq. Specialty		2017	MACK		GU713-70.000 GVV C&C	6	15	2032							
441A	Highway / Lq. Specialty		1996	PRENTICE		HYDRAULIC LOG LOADER	27	20	2016							
442	Highway / Lq. Specialty		2004	STERLING		L8500-35.000 GVV C&C W/ DUMP BODY	19	15	2019							
443	Highway / Lq. Specialty		2015	MACY		72.000 GVV C&C	8	20	2035							
443A	Highway / Lq. Specialty		2015	ROTOBEC		HYDRAULIC LOG LOADER	8	20	2035							
444	Highway / Lq. Specialty		2006	MACK		GU712-40.000 GVV C&C	15	18	2024							
444A	Highway / Lq. Specialty		2018	STETCO		CATCH BASIN										
445	Highway / Lq. Specialty	Edison	2004	MACK		CH813-65.000 GVV TANDEM AXLE TRACTOR	19	20	2024							
449	Highway / Lq. Specialty		2012	MACK		VACTOR 2200	11	15	2027							
446	Highway / Sweeper		2020	BUCHER		FOUR WHEEL SWEEPER	3	6	2025				\$280,000.00			
447	Highway / Sweeper		2020	ELGIN		PELICAN-THREE WHEEL SWEEPER	6	6	2025					\$280,000.00		
457	Highway / Sweeper / DHS		2017	ELGIN		PELICAN-THREE WHEEL SWEEPER	6	6	2023							
450	Highway / Sweeper / Edison		2016	GAT		M814-WHEELED EXCAVATOR	7	15	2031							
450A	Highway / Specialty Equip					Mini excavator (replacement for 450)					\$90,000.00					
451	Highway / Lq. Specialty		2012	VOLVO		L120-4.5 CY FRONT END LOADER & PLOW	11	15	2027							
452	Highway / Lq. Specialty		2013	VOLVO		L90-3.5 CY FRONT END LOADER & PLOW	10	15	2028							
453	Highway / Lq. Specialty		2012	BOBCAT		S770-SKID STEER W/ATTACHMENTS&PLOW	11	15	2027							
454	Highway / Lq. Specialty		2008	JOHN DEERE		L90-3.5 CY FRONT END LOADER & PLOW	15	15	2023				\$300,000.00			
456	Highway / Lq. Specialty		2003	BOBCAT		S770-SKID STEER LOADER W/PLOW	20	15	2018			\$130,000.00				
460	S & I Sidewalk		2010	CAMELEON		SIDEWALK TRACTOR - TRACKED	13	15	2025					\$205,000.00		
461	S & I Sidewalk		2016	VENTRAC		SIDEWALK TRACTOR - WHEELED	7	15	2031							
462	S & I Sidewalk		2019	TRACKLESS		SIDEWALK TRACTOR - TRACKLESS	4	15	2034							\$180,000.00
463	S & I Sidewalk		2013	MUL THROC		MUL TILLIP TRACTOR - W/ATTACHMENTS	10	15	2028							\$180,000.00
464	S & I Sidewalk		2013	CAMELEON		SIDEWALK TRACTOR - TRACKED	10	15	2028							
465	S & I Sidewalk / Edison / DHS		1996	TRACKLESS		SIDEWALK TRACTOR - WHEELED	27	15	2011							
466	S & I Sidewalk		2010	BOMBARDIER		SIDEWALK TRACTOR - TRACKED	13	15	2025							
467	S & I Sidewalk		2006	HOLDER		SIDEWALK TRACTOR - WHEELED	17	15	2021		\$205,000.00		\$205,000.00			
468	S & I Sidewalk		2018	CAMELEON		SIDEWALK TRACTOR - TRACKED	5	15	2033							
469	S & I Sidewalk		2008	BOMBARDIER		SIDEWALK TRACTOR - TRACKED	15	15	2023			\$205,000.00				
470	Highway / Specialty Equip		2019	RUBOTA		M85 TRACTOR W/FLAIL MOWER	4	15	2034							
471	Highway / Specialty Equip		2013	WACKER		RD16-ROLLER	10	20	2033							
476	Highway / Specialty Equip		2018	ASV		RT30 TRACKED-SKID STEER	5	15	2033							
477	Highway / Specialty Equip		2017	ASV		RT30 TRACKED-SKID STEER	6	15	2032							
478	Highway / Specialty Equip		2011	DOOSAN		FORKLIFT TRUCK	12	20	2031							
479	Highway / Specialty Equip		2018	LEEBDY		ASPHALT PAVER	7	15	2031							
480	Highway / Specialty Equip		2001	WORBARK		BRUSH CHIPPER	22	15	2016							
481	Highway / Specialty Equip		2011	VEERMEER		BRUSH CHIPPER	12	15	2026							
482	Highway / Specialty Equip		2005	LEEBDY		ASPHALT PAVER	18	15	2023							
483	Highway / Specialty Equip		1994	INGERSOLL		PORTABLE AIR COMPRESSOR	29	20	2014							
486	Highway / Specialty Equip		1994	INGERSOLL		DD24 ROLLER	29	20	2014							
496	Highway / Specialty Equip		1989	INGERSOLL		PORTABLE AIR COMPRESSOR	34	20	2009		\$30,000.00					
497	Highway / Specialty Equip		1998	OSHKOSH		4 WHEEL SNOWBLOWER	25	35	2033							
499	Highway / Specialty Equip		1991	OSHKOSH		4 WHEEL SNOWBLOWER	32	35	2026				\$320,000.00			
T443	Highway / Specialty Equip		2021	MAC		80,000 GVV 38FT TRAILER DUMP	2	20	2041							
T444	Highway / Specialty Equip		2006	SENSON		80,000 GVV 26' DUMP TRAILER	17	20	2026							
11	Lighting & Signals	Keefe, P	2013	FORD	1FM5H8AR6DGB28649	EXP AWD UTILITY VEHICLE	10	15	2028							\$55,000.00
20	Lighting & Signals	Stipale, P	2019	FORD	1FT7X2B6KFE124863	F350-10,000GVV 4WD PU1 TRK&PLOW	4	15	2034							
21	Lighting & Signals		2016	FORD	1FD0R3F64CEA28607	11,000-4WD UTILITY VEHICLE W/PLOW	7	15	2031							
22	Lighting & Signals		2015	FORD	1FD7X2B6BFER07151	11,000-4WD UTILITY VEHICLE	8	15	2030							
230	Lighting & Signals		1995	FHC	1HT1S0ABN2M6H0974	45 AERIAL LIFT W/SERVICE BODY	28	15	2010				\$320,000.00			
232	Lighting & Signals		2015	FREIGHTLINER	1FVACXD75FHC64771	35 AERIAL LIFT W/SERVICE BODY	8	15	2030							
810	Highway / DHS / Edison	Cox, J	2009	FORD		FORD TAURUS										
5	Sanitation		2016	FORD	1FM5K8D80GGB13183	EXPLORER AWD-UTILITY VEHICLE	7	15	2031							
50	Sanitation		2016	FORD		F150-7,700 GVV 4WD PU1 TRK	7	10	2028				\$55,000.00			
51	Sanitation		2015	FORD		F250-8,800 GVV 4WD PU1 TRK&PLOW	8	10	2025				\$55,000.00			
52	Sanitation		2015	FORD	1FT7X2B63FEB40946	F250-8,800 GVV 4WD PU1 TRK&PLOW	8	10	2025				\$55,000.00			

DRAFT

Public Works - Fleet Replacement Program

DRAFT

UNIT #	Division Assignment	IN SERVICE	YEAR	CURRENT	VIN	DESCRIPTION	AGE 2023	LIFE	REPLACE	2023	2024	2025	2026	2027	2028	2029
501	Sanitation		2012	FORD	1FTFX1E9FCF41802	F150-7.700 GVV AWD PUJ TRK	11	10	2022		\$55,000.00					
502	Sanitation		2012	FORD	1FTFX2B99CEA48790	F250-8.800 GVV4WD PUJ TRK&PLOW	11	10	2022		\$60,000.00					
505	Sanitation		2008	FORD	1FDAP589REB11574	15,000 GVV AWD C&C W/RACK BODY & PLOW	15	15	2023		\$70,000.00					
510	Sanitation		2015	PETERBILT	3BPZL7EX8FF294054	72,000 GVV C & C W/SIDE LOADER PACKER & PLOW	8	8	2023	DONE						
510-1	Sanitation		2015	NEW WAY		33CY SIDE LOAD PACKER	8	8	2023							
511	Sanitation		2015	PETERBILT	3BPZL7EX2FF294055	72,000 GVV C & C W/SIDE LOADER PACKER & PLOW	8	8	2023	DONE						
511-1	Sanitation		2015	NEW WAY		33CY SIDE LOAD PACKER	8	8	2023							
512	Sanitation		2015	PETERBILT	3BPZL7EX8FF294060	72,000 GVV C & C W/SIDE LOADER PACKER & PLOW	8	8	2023	In progress						
512-1	Sanitation		2016	NEW WAY		33CY SIDE LOAD PACKER	7	8	2024							
513	Sanitation		2016	PETERBILT	3BPZL7EX7GF107300	72,000 GVV C & C W/SIDE LOADER PACKER & PLOW	7	8	2024			\$465,000.00				
513-1	Sanitation		2015	NEW WAY		33CY SIDE LOAD PACKER	8	8	2023							
514	Sanitation		2015	PETERBILT	3BPZL7EX4FF294056	72,000 GVV C & C W/SIDE LOADER PACKER & PLOW	8	8	2023		\$465,000.00					
514-1	Sanitation		2015	NEW WAY		33CY SIDE LOAD PACKER	8	8	2023							
515	Sanitation		2015	PETERBILT	3BPZL7EX8FF294057	72,000 GVV C & C W/SIDE LOADER PACKER & PLOW	8	8	2023		\$465,000.00					
515-1	Sanitation		2015	NEW WAY		33CY SIDE LOAD PACKER	8	8	2023							
516	Sanitation		2015	PETERBILT	3BPZL7EX8FF294058	72,000 GVV C & C W/SIDE LOADER PACKER & PLOW	8	8	2023		\$465,000.00					
516-1	Sanitation		2015	NEW WAY		33CY SIDE LOAD PACKER	8	8	2023							
517	Sanitation		2015	PETERBILT	3BPZL7EXXFF294059	72,000 GVV C & C W/SIDE LOADER PACKER & PLOW	8	8	2023		\$410,000.00					
517-1	Sanitation		2015	NEW WAY		33CY SIDE LOAD PACKER	8	8	2023							
518	Sanitation		2021	LR MACK	1MZLR1G00MM005038	33yd LABRIE AUTOMIZER ASL	2	8	2029							
518	Sanitation		2022	LR MACK	1MZLR1G07NM005796	33yd LABRIE AUTOMIZER ASL	1	8	2030							
520	Sanitation		2022	LR MACK	1MZLR1G07NM005797	33yd LABRIE AUTOMIZER ASL	1	8	2030							
523	Sanitation		1999	VOLVO	4VHSCLEFXN513796	86,000 GVV C & C W/ROLL OFF FRAME	24	15	2014		\$225,000.00					
523-1	Sanitation		2008	AMERICAN		30,000 GVV C & C W/ROLL OFF FRAME	13	15	2023							
521	Sanitation		2014	MACK	1M2AXM4C5EM021099	72,000 GVV C & C W/ROLL OFF FRAME	9	15	2029							\$250,000.00
532	Sanitation		2006	MACK	1M2AG11C98M45922	72,000 GVV REAR LOAD PACKER W/PLOW	17	15	2021							
533	Sanitation		2007	MACK	1M2AG11C97M066477	72,000 GVV REAR LOAD PACKER W/PLOW	16	15	2022							
526	Sanitation		2013	JOHN DEERE		0315-SKID STEER	10	20	2033							
521	Sanitation		2012	VOLVO	VE0L80GE00003467	3.5 CY FRONT END LOADER & PLOW	11	15	2027			\$310,000.00				
522	Sanitation		2002	KOMATSU		FORKLIFT TRUCK	21	20	2022			\$70,000.00				
7	Sewer		2014	FORD	1FMSK8D80EGC26728	EXPLORER AWD-UTILITY VEHICLE	9	15	2029							\$60,000.00
70	Sewer		2016	FORD	1FTFX1E9FGFD00613	F150-7.700 GVV AWD PICKUP TRK	7	10	2026		\$55,000.00					
71	Sewer		2012	FORD	1FTFX1E9XCF41803	F150-7.700 GVV AWD PICKUP TRK	11	10	2022		\$55,000.00					
72	Sewer / L/A Speciality		2012	FORD	1FDRF3F8CE47058	F350-11,000 GVV AWD C&C UTIL BODY W/PLOW	11	10	2022		\$75,000.00					
73	Sewer	Barter	2010	FORD	1FDAF5G90AE42621	38' AERIAL LIFT W/SERVICE BODY	13	15	2025		\$225,000.00					
75	Sewer	Bannon, T.	2019	FORD	1FDRF3F88KEA24908	F350-11,000 GVV AWD C&C UTIL BODY W/PLOW	4	10	2029							\$75,000.00
76	Sewer	Kuza	2016	FORD	1FDRF3F8CE47058	F350-11,000 GVV AWD C&C UTIL BODY W/PLOW	7	10	2026		\$75,000.00					
77	Sewer	Patuno, J.	2016	FORD	1FDRF3F8CE47058	F350-11,000 GVV AWD C&C UTIL BODY W/PLOW	7	10	2026		\$75,000.00					
702	Sewer / DNR		2012	FORD	1FDRF3F8CE47058	F350-11,000 GVV AWD C&C UTIL BODY W/PLOW	11	10	2022							
703	Sewer		2012	FORD	1FTFX1E98FB260097	F350-11,000 GVV AWD C&C UTIL BODY W/PLOW	11	10	2022							
704	Sewer		2008	FORD	1FDSP3Y88ED97500	F350-11,000 GVV AWD C&C UTIL BODY W/PLOW	15	10	2018		\$75,000.00					
706	Sewer		2019	FORD	1FDJF3Y3KDA25943	F650-15,000 GVV 4 WD C&C UTIL BODY & PLOW	3	10	2029			\$98,000.00				\$85,000.00
720	Sewer		2008	FORD	1FDAP5P46EA28632	F550-17,500 GVV 2WD C&C W/RODDERADUMP	17	20	2026			\$75,000.00				
721	Sewer	Pump Stations	2012	FORD	1FDRF3F8CE47057	F350-11,000 GVV 4 WD C&C UTIL BODY & PLOW	11	10	2022		\$75,000.00					
722	Sewer	Pump Stations	2012	FORD	1FDRF3F8CE47055	F350-11,000 GVV 4 WD C&C UTIL BODY & PLOW	11	10	2022		\$75,000.00					
725	Sewer	Meters	2008	FORD	1FDRF3F88EA32451	F350-11,000 GVV 4 WD C&C UTIL BODY & PLOW	15	10	2018		\$75,000.00					
726	Sewer		2017	FORD	1FDJF3YH1E834549	15,000 GVV AWD C & C W/DUMP BODY & PLOW	6	10	2027			\$85,000.00				
727	Sewer		2012	FORD	1FDJF3H1CEA26617	15,000 GVV 4 WD C&C W/RACK BODY & PLOW	11	10	2022		\$85,000.00					
728	Sewer	Pump Stations				Awaiting delivery										
732	Sewer / L/A Speciality		2012	MACK	1M2AX02CRDM01754	40,000 GVV C & C W/ DUMP BODY & PLOW	11	15	2027			\$220,000.00				
732A	Sewer / L/A Speciality		2012	TARCO		6 CY MATERIAL SPREADER	11	15	2027							
733	Sewer / L/A Speciality		2017	MACK	1M2AX04C0HM036226	72,000 GVV C & C W/ DUMP BODY & PLOW	6	15	2032							
733A	Sewer / L/A Speciality		2017	TARRANT		10CY MATERIAL SPREADER	21	20	2022							
734	Sewer		2005	MACK		72,000 GVV C-C W/DUMP BODY	15	7								
738	Sewer / L/A Speciality		2015	MACK	1M2AX04C1GM031874	72,000 C & C W/ACTOR	8	10	2025		\$550,000.00					
740	Sewer / L/A Speciality		2015	MACK	1M2AX13G0AM032020	72,000 GVV C & C W/FLSHR	8	12	2027							
741	Sewer / L/A Speciality		2019	MACK	1M2GR4GCS9M013552	72,000 C & C W/ACTOR	4	10	2029							\$550,000.00
742	Sewer / L/A Speciality		2017	FREIGHTLINER	4UZZAARD78HCHW2245	18,000 GVV C & C W/ CLOSED CAMERA BODY	6	15	2032							
743	Sewer / L/A Speciality		2010	FREIGHTLINER	4UZZACT013ACAR2812	PIPELINE INSPECTION UNIT	13	15	2025							
744	Sewer / L/A Speciality		2017	MACK	1M2AX34C9HM010774	35,000 GVV C & C W/CONSTRUCTION BODY	6	10	2027			insert quote here				\$275,000.00
750	Sewer/L/A speciality		2022	JOHN DEERE		410L Backhoe	1	12	2034							
752	Sewer/L/A speciality	P&R	2010	JOHN DEERE		410 Backhoe	13	12	2022							



## VEHICLE REPLACEMENTS 2025

### GENERAL FUND

1. **#230** Lights and Signals 1995 40' aerial bucket truck. Parts availability issues. Out of service for extended periods when having body repairs due to availability of parts. ANSI anti electric annual certification will not be passable much longer and vehicle will be unusable. \$320,000.00 replacement cost. Old unit to be auctioned
2. **#514** Sanitation Packer replacement. This is #4 to be replaced out of 8. 2015 Peterbilt Automated side Load with plow. \$465,000.00 replacement cost. Old unit to be auctioned.
3. **#430** 2001 Sterling Sander with plow. The Sterling truck line was discontinued in 2009. Parts availability is an issue. Vehicle is corroded due to type of work. Old body will be used on new chassis. New plow and belly scraper will be needed. \$250,000.00. Chassis to be auctioned
4. **#523** Sanitation Roll-off replacement. 1999 Volvo heavy 10-wheel roll-off with plow. RDC Recycle transfer relies more and more on the roll-off trucks. This is 1 of 2 and is increasingly unreliable with an impending engine replacement as we are getting metal in oil pan when oil is changed at intervals. \$225,000 replacement cost. Chassis to be auctioned
5. **#415** 2012 Ford F-550 4WD small dump with plow. High engine hours, very corroded. \$75,000. Replacement cost. Chassis to be auctioned.
6. **#456** 2003 Bobcat skid steer loader with plow. Rough shape all around. Replacement cost \$130,000. Old unit to be auctioned.
7. **#469** 2008 Bombardier sidewalk tractor (tracked) with V-plow and Blower attach. Replacement cost \$205,000. Old unit to be auctioned.
8. **#505** 2008 Ford rack body with power tailgate and plow. Heavily used vehicle for Sanitation cart deliveries and primarily bulk item pickups. Replacement cost \$70,000. Old unit to be auctioned.
9. **#404** 2012 F250 Ford 4wd pickup with plow. High hours, very very corroded. \$55,000. Replacement. Chassis to be auctioned.
10. **#450A** (to replace #450 rubber tire excavator) purchase mini excavator cost \$90,000. #450 2016 Cat to be auctioned.
11. **#401** 2015 4wd Ford F250 pickup with plow. **Bad Engine, not worth cost of installing new engine in rough pickup truck.** Replacement cost \$55,000. Old unit to be auctioned
12. **#502** 2012 Ford F250 pickup with power tailgate and plow. Used in sanitation for multiple utility purposes. Daily used high hours and rough due to corrosion. Replacement cost \$60,000. Old unit auctioned.
13. **#801** 2015 Nissan Leaf full electric. Early electric very low range limits usability. Upgrade needed prior to battery failure which would leave us a valueless piece. Will explore any programs that may enhance pricing. Replacement cost \$45,000. Old unit to be auctioned.
14. **#812** 2015 Nissan Leaf full electric. Early electric very low range limits usability. Upgrade needed prior to battery failure which would leave us a valueless piece. Will explore any programs that may enhance pricing. Replacement cost \$45,000. Old unit to be auctioned.

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

<p>(2) <b>PROJECT DESCRIPTION AND JUSTIFICATION:</b></p> <div style="border: 1px solid black; padding: 5px;"> <p>This project will provide funds to assist with compliance with the National Pollutant Discharge Elimination System (NPDES) Phase II Municipal Separate Storm Sewer System (MS4) permit requirements. The City of Framingham is required to operate its "storm sewer system" or stormwater drainage system under a permit from the US EPA. The permit requires the City to complete catchment investigations by June 2028. In addition to water quality benefits, this work will help the City improve asset management of drainage infrastructure. Non-compliance could result in administrative orders or fines. The City is required to report annually to the EPA and MassDEP on the status of compliance with these deadlines. The City owns over 500 stormwater outfalls with an intricate infrastructure system upstream of the outfalls. Each outfall and contributory upstream infrastructure system, collectively referred to as a "catchment" must be reviewed and/or satisfactorily inspected by June 2028 to maintain compliance. Specifically, this project will provide consultant and contractor services for outfall sampling and catchment investigations (i.e. inspections of the drainage system to identify pollution sources and asses infrastructure). Inspections are categorized as wet or dry weather and specific rainfall requirements must be met in order to conduct the inspections.</p> </div> <p><b>PROJECT ADDITIONS/CHANGES JUSTIFICATION:</b>  <input type="text" value="Adjusted scope to address regulatory obligation"/></p>	<p>(3) <b>PURPOSE OF PROJECT:</b></p> <table border="0" style="width: 100%;"> <tr><td><input type="checkbox"/></td><td>Replace existing infrastructure</td></tr> <tr><td><input type="checkbox"/></td><td>Replace existing capital asset</td></tr> <tr><td><input type="checkbox"/></td><td>Replace existing vehicle</td></tr> <tr><td><input type="checkbox"/></td><td>Replace equipment</td></tr> <tr><td><input type="checkbox"/></td><td>New infrastructure</td></tr> <tr><td><input type="checkbox"/></td><td>New capital asset</td></tr> <tr><td><input type="checkbox"/></td><td>New vehicle</td></tr> <tr><td><input type="checkbox"/></td><td>New equipment</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>Strategic/Comprehensive/Master plan</td></tr> </table>	<input type="checkbox"/>	Replace existing infrastructure	<input type="checkbox"/>	Replace existing capital asset	<input type="checkbox"/>	Replace existing vehicle	<input type="checkbox"/>	Replace equipment	<input type="checkbox"/>	New infrastructure	<input type="checkbox"/>	New capital asset	<input type="checkbox"/>	New vehicle	<input type="checkbox"/>	New equipment	<input checked="" type="checkbox"/>	Strategic/Comprehensive/Master plan
<input type="checkbox"/>	Replace existing infrastructure																		
<input type="checkbox"/>	Replace existing capital asset																		
<input type="checkbox"/>	Replace existing vehicle																		
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<input type="checkbox"/>	New capital asset																		
<input type="checkbox"/>	New vehicle																		
<input type="checkbox"/>	New equipment																		
<input checked="" type="checkbox"/>	Strategic/Comprehensive/Master plan																		

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility	650,000					
c. Design						
d. Construction						
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	650,000	-	-	-	-	-

(5) **PRIORITY:**

<input checked="" type="checkbox"/>	<b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
<input type="checkbox"/>	<b>level service maintenance</b>	maintains City desired level of service
<input type="checkbox"/>	<b>economic development</b>	adds to the City's economic vibrancy
<input type="checkbox"/>	<b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

<b>(7) PROPOSED FUNDING SOURCE(S):</b>	<b>(10) PROJECT OR EQUIPMENT LOCATION:</b>
1) <b>Bond</b>	<b>City-wide</b>
2)	<b>(11) ASSET TYPE:</b>
3)	<b>Building</b>
<b>(7a) POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)</b>	
<b>(8) PROJECT LEAD NAME &amp; CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)</b>	
Robert A. Lewis	
<b>(9) FINANCE DEPARTMENT NOTES:</b>	



## CITY OF FRAMINGHAM DEPARTMENT OF PUBLIC WORKS

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100 Western Avenue  
Framingham, MA 01702  
[www.framinghamma.gov](http://www.framinghamma.gov)

To: Mr. Bob Lewis, DPW Director  
From: Alison L. Eliot, P.E., L.S.P., Senior Stormwater & Environmental Engineer  
Cc: Mr. William Sedewitz, P.E.; Robert Sheldon, P.E.; Eric Johnson, P.E.  
Date: October 11, 2023  
Re: FY25 Capital Improvements Project Request – Catchment Investigations

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**Project Description** – This project will provide funds to assist with compliance with the National Pollutant Discharge Elimination System (NPDES) Phase II Municipal Separate Storm Sewer System (MS4) permit requirements. The City of Framingham is required to operate its “storm sewer system” or stormwater drainage system under a permit from the US EPA. The permit requires the City to complete catchment investigations by June 2028. In addition to water quality benefits, this work will help the City improve asset management of drainage infrastructure. Non-compliance could result in administrative orders or fines.

The City is required to report annually to the EPA and MassDEP on the status of compliance with these deadlines. The City owns over 500 stormwater outfalls with an intricate infrastructure system upstream of the outfalls. Each outfall and contributory upstream infrastructure system, collectively referred to as a “catchment” must be reviewed and/or satisfactorily inspected by June 2028 to maintain compliance. Specifically, this project will provide consultant and contractor services for outfall sampling and catchment investigations (i.e. inspections of the drainage system to identify pollution sources and assess infrastructure). Inspections are categorized as wet or dry weather and specific rainfall requirements must be met in order to conduct the inspections.

**Project Justification** – Compliance with the Environmental Protection Agency (EPA)’s NPDES MS4 permit, an unfunded federal mandate, is required to operate the City’s drainage system. The focus of this permit is improving water quality from stormwater runoff, which is the primary source of water pollution in Framingham and causes beach closures and other negative impacts to Framingham. The City is required to report annually to the EPA and MassDEP on the status of our compliance with these deadlines. Deferring work and associated funding could result in non-compliance which may result in violations and fines.

The current Massachusetts MS4 General Permit, referred to as the 2016 Final MA MS4 General Permit, became effective July 1, 2018 with modification effective January 6, 2021. The 2016 Final MA MS4 General Permit was set to expire in July 2022, however was administratively continued until a new permit is issued. A new permit is anticipated to be proposed by EPA in 2024.

**Project Budget** – The estimated total cost associated with the aforementioned project is **\$650,000**. Weston & Sampson provided estimated costs based on remaining sampling and inspections to be completed, sampling protocols, and estimated staff time.

**Operating impact** – This investment is needed to continue complying with the NPDES MS4 permit requirements. Without additional operational funding or staff to support compliance requirements, DPW needs to hire consultants to complete the compliance work. Otherwise, DPW Highway and Engineering staff and equipment will need to be diverted from other activities (i.e. cleaning and fixing drains, roadway and sidewalk improvements, etc.) to complete this work. This would result in deferred maintenance which increases the risk of failure of the City’s infrastructure. Due to previous deferred Capital requests and current staffing, it is not feasible to meet the compliance deadlines utilizing current staff.

Catchment Investigations

Description	Metrics/Cost
# of Outfalls Remaining to be Sampled by June 30, 2028: (111/yr. – PY7, 8, 9 & 10) Parameters to be Sampled: Ammonia, Surfactants, E.Coli, Chlorine, Conductivity, Salinity, Temperature & Pollutants of Concern	443
<b>Estimated Cost for Wet Weather Outfall Sampling &amp; Reporting:</b>	<b>\$300,000</b>
# of Catchments Investigations Completed to Date	244 (49%)
Remaining # of Catchments Investigations to be Completed: Parameters to be Sampled: Ammonia, Surfactants, E. Coli, & Chlorine	252
<b>Estimated Cost for Dry Weather Catchment Investigations:</b>	<b>\$350,000</b>
<b>Total Estimated Cost</b>	<b>\$650,000</b>

Estimate prepared by Weston & Sampson September 2023

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
  
**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**

(3) **PURPOSE OF PROJECT:**

<input checked="" type="checkbox"/>	Replace existing infrastructure
<input checked="" type="checkbox"/>	Replace existing capital asset
<input type="checkbox"/>	Replace existing vehicle
<input type="checkbox"/>	Replace equipment
<input checked="" type="checkbox"/>	New infrastructure
<input checked="" type="checkbox"/>	New capital asset
<input type="checkbox"/>	New vehicle
<input type="checkbox"/>	New equipment
<input type="checkbox"/>	Strategic/Comprehensive/Master plan

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility						
c. Design						
d. Construction	6,125,000					
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	<b>6,125,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

(5) **PRIORITY:**

a. <input checked="" type="checkbox"/> <b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input checked="" type="checkbox"/> <b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/> <b>economic development</b>	adds to the City's economic vibrancy
d. <input checked="" type="checkbox"/> <b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**

- 1)
- 2)
- 3)

(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
(11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

(9) **FINANCE DEPARTMENT NOTES:**



## CITY OF FRAMINGHAM DEPARTMENT OF PUBLIC WORKS

---

100 Western Avenue  
Framingham, MA 01702  
[www.framinghamma.gov](http://www.framinghamma.gov)

To: Bob Lewis, DPW Director  
From: Matthew J. Hayes, P.E., Senior Project Manager - Transportation  
Cc: William Sedewitz, P.E.; Robert Sheldon, P.E.; Eric Johnson, P.E.  
Date: October 17, 2023  
Re: FY25 Capital Improvements Project Request – Saxonville Intersection Improvements

---

**Project Description** – The Project will replace the existing traffic signals at two intersections in Saxonville: Central Street at Water Street; and Central Street at Concord Street and Elm Street. The Roadway Improvement Project also includes installation of bike lanes, street lighting and fiber optic conduits, off-street parking improvements, sidewalk rehabilitation, including ADA compliance, and landscaping.

The Project will also provide intersection safety improvements in McGrath Square. Improved signage, parking and pedestrian access to businesses in this area of Framingham will help to revitalize the area on a pedestrian scale as well as provide safe and efficient traffic flow through the center.

**Project Justification** – Improvements to this intersection will improve safety and traffic flow, reduce queues during peak hours, provide better pedestrian access and ADA compliance, and improve the aesthetics of the area, creating a more “village” atmosphere in keeping with the history of the area. Outmoded traffic signals will be replaced and uncontrolled curb cut access will be reduced.

The corridor improvements included in this Project will complete the link between recent improvements within and adjacent to the corridor, including Water Street Roadway Reconstruction; Water Street and Concord Street Retaining Wall; Concord Street Bridge over the Sudbury River; Sewer and Water Line Replacements within the corridor; Concord Street at School Street and A Street Intersection Improvements; construction of the A Street Sewer Pump Station; and replacement of the Watson Street Fire Station. The proposed Central Street and Concord Street roadway improvements will connect these recently completed projects along the corridor, providing a safe and attractive gateway to Framingham from the north.

**Project Budget** – \$6,125,000 is requested for construction and oversight (\$4,711,000 from 85% Design Level Engineer’s Estimate plus 30% Construction Oversight and Contingency).

**Comments** – As part of the Saxonville Intersection Improvement Project, we are investigating the feasibility and cost of placing a portion of the overhead utilities underground. This will add significant costs to the project and time to the schedule. Initial investigation into undergrounding the existing electric utilities alone would cost over \$1,500,000.

85% Saxonville Design Plans: <https://file.ac/Yc68OJL11M/>

**SAXONVILLE IMPROVEMENTS PROJECT**  
**Proposed Roadway Improvements**  
**To Central Street and Concord Street**

Green Project File No. 20034



Prepared for

City of Framingham Department of Public Works

October 2021

Prepared by



Building Strong Client Relationships Through Engineering Excellence

**Saxonville Intersection Improvements Project**  
**Framingham MA**  
**City of Framingham -**  
**ENGINEER'S ESTIMATE - 85% Design**

Prepared by:



Date: 10/19/2021

Green Project No: 20034

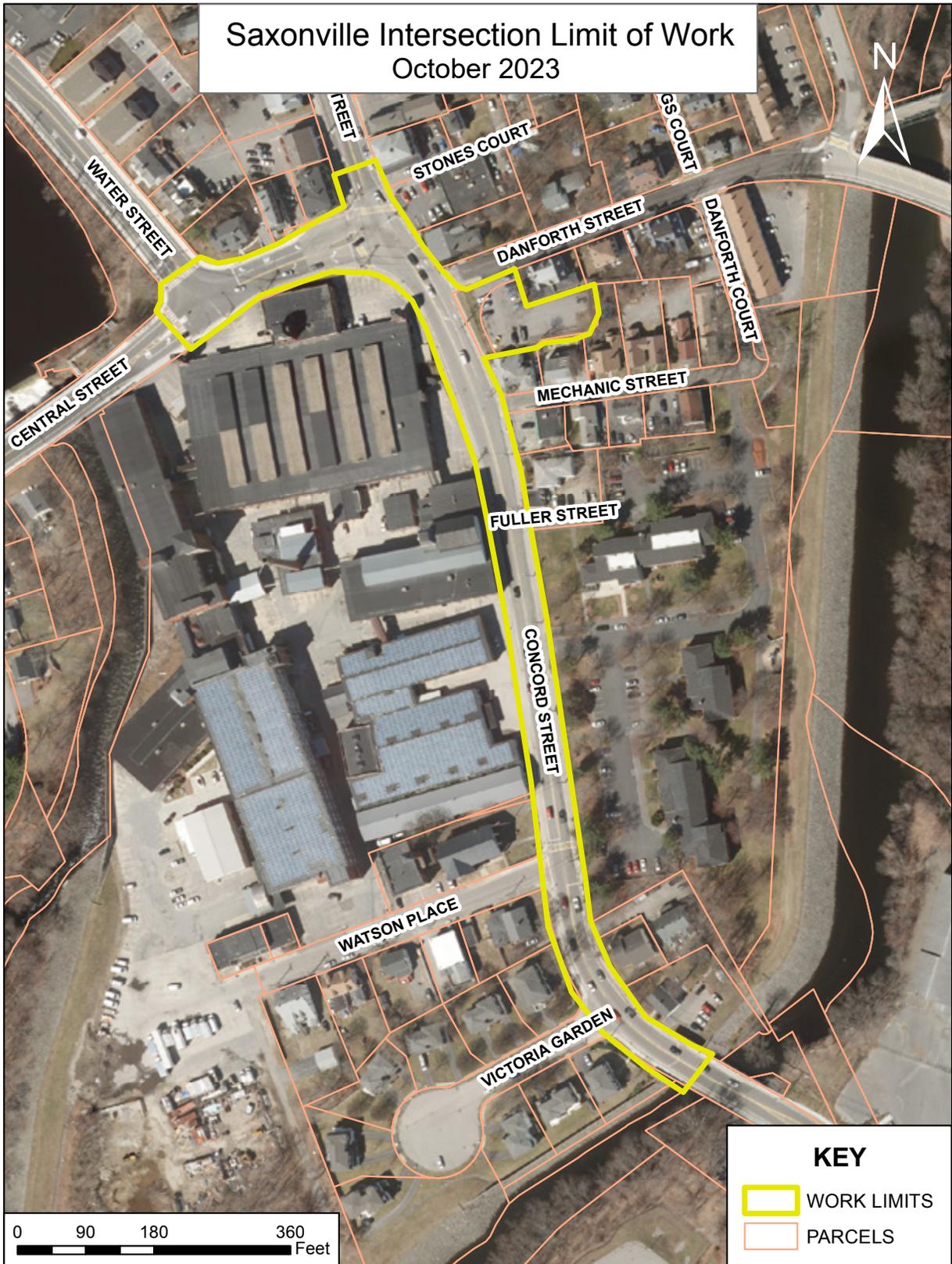
ITEM NO.	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
102.511	1	EA	TREE PROTECTION - ARMORING & PRUNING	\$375.00	\$375.00
120.1	5600	CY	UNCLASSIFIED EXCAVATION	\$36.00	\$201,600.00
141.1	100	CY	TEST PIT FOR EXPLORATION	\$115.00	\$11,500.00
142.	30	CY	CLASS B TRENCH EXCAVATION	\$35.00	\$1,050.00
144.	60	CY	CLASS B ROCK EXCAVATION	\$150.00	\$9,000.00
146.	25	EA	DRAINAGE STRUCTURE REMOVED	\$725.00	\$18,125.00
151.	4000	CY	GRAVEL BORROW	\$45.00	\$180,000.00
153.	25	CY	CONTROLLED DENSITY FILL - EXCAVATABLE	\$175.00	\$4,375.00
156.	600	TON	CRUSHED STONE	\$50.00	\$30,000.00
170.	10350	SY	FINE GRADING AND COMPACTING	\$6.00	\$62,100.00
180.4	10	CY	MONITORING/HANDLING AND STOCKPILING OF CONTAMINATED SOILS	\$1,000.00	\$10,000.00
183.	1	DAY	DEWATERING	\$1,500.00	\$1,500.00
183.3	10	FT	ASBESTOS PIPE REMOVAL	\$400.00	\$4,000.00
183.5	20	CY	SOIL AND WASTE MANAGEMENT	\$1,000.00	\$20,000.00
201.	14	EA	CATCH BASIN (SINGLE GRATE CATCH BASIN)	\$4,500.00	\$63,000.00
202.	14	EA	MANHOLE (DRAIN MANHOLE)	\$5,500.00	\$77,000.00
202.5	1	EA	MANHOLE (5 FOOT DIAMETER)	\$6,000.00	\$6,000.00
202.6	1	EA	MANHOLE (6 FOOT DIAMETER)	\$7,000.00	\$7,000.00
202.7	2	EA	MANHOLE (7 FOOT DIAMETER)	\$10,000.00	\$20,000.00
202.8	1	EA	MANHOLE WITH DEEP SUMP	\$6,500.00	\$6,500.00
204.	2	EA	GUTTER INLET (DIRECT INLET CATCH BASIN)	\$3,500.00	\$7,000.00
220.	35	EA	DRAINAGE STRUCTURE ADJUSTED (RAISING CASTINGS)	\$450.00	\$15,750.00
220.7	20	EA	SANITARY STRUCTURE ADJUSTED	\$450.00	\$9,000.00
222.3	45	EA	FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD	\$950.00	\$42,750.00
223.1	25	EA	FRAME AND GRATE (OR COVER) REMOVED AND STACKED	\$150.00	\$3,750.00
224.12	15	EA	12 INCH HOOD	\$550.00	\$8,250.00
227.3	17	CY	REMOVAL OF DRAINAGE STRUCTURE SEDIMENT	\$250.00	\$4,250.00
227.4	10	SF	MASONRY PLUG	\$125.00	\$1,250.00
238.12	320	FT	12 INCH DUCTILE IRON PIPE	\$165.00	\$52,800.00
241.12	750	FT	12 INCH REINFORCED CONCRETE PIPE	\$110.00	\$82,500.00
241.15	260	FT	15 INCH REINFORCED CONCRETE PIPE	\$120.00	\$31,200.00
244.12	150	FT	12 INCH REINFORCED CONCRETE PIPE CLASS V	\$130.00	\$19,500.00
357.12	4	EA	12 INCH GATE BOX	\$500.00	\$2,000.00
358.	38	EA	GATE BOX ADJUSTED	\$250.00	\$9,500.00
376.5	4	EA	HYDRANT - ADJUSTED	\$1,800.00	\$7,200.00
381.3	10	EA	SERVICE BOX ADJUSTED	\$230.00	\$2,300.00
415.3	2500	SY	PAVEMENT MICRO MILLING	\$12.00	\$30,000.00
440.	34000	LB	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	\$0.40	\$13,600.00
443.	76	MGL	WATER FOR ROADWAY DUST CONTROL	\$70.00	\$5,320.00
450.23	1500	TON	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	\$140.00	\$210,000.00
450.32	2100	TON	SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0)	\$135.00	\$283,500.00
451.	15	TON	HMA FOR PATCHING	\$225.00	\$3,375.00
452.	1400	GAL	ASPHALT EMULSION FOR TACK COAT	\$8.50	\$11,900.00
453.	5200	FT	HMA JOINT SEALANT	\$1.50	\$7,800.00
472.	260	TON	HOT MIX ASPHALT FOR MISCELLANEOUS WORK	\$200.00	\$52,000.00
504.	1950	FT	GRANITE CURB TYPE VA4 - STRAIGHT	\$52.00	\$101,400.00
504.1	300	FT	GRANITE CURB TYPE VA4 - CURVED	\$60.00	\$18,000.00
509.	300	FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT	\$55.00	\$16,500.00
509.1	225	FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED	\$65.00	\$14,625.00
580.	225	FT	CURB REMOVED AND RESET	\$30.00	\$6,750.00
594.	2475	FT	CURB REMOVED AND DISCARDED	\$8.00	\$19,800.00
670.	152	FT	FENCE REMOVED AND RESET	\$75.00	\$11,400.00
697.1	44	EA	SILT SACK	\$200.00	\$8,800.00
701.	1440	SY	CEMENT CONCRETE SIDEWALK	\$65.00	\$93,600.00
701.1	360	SY	CEMENT CONCRETE SIDEWALK AT DRIVEWAYS	\$75.00	\$27,000.00

701.2	420	SY	CEMENT CONCRETE PEDESTRIAN CURB WHEELCHAIR RAMP	\$105.00	\$44,100.00
702.	105	TON	HOT MIX ASPHALT SIDEWALK OR DRIVEWAY	\$230.00	\$24,150.00
706.01	135	SY	BRICK PAVER ACCENT STRIP	\$300.00	\$40,500.00
706.9	315	SY	TEXTURED DECORATIVE PAVEMENT CROSSWALK	\$120.00	\$37,800.00
710.4	15	EA	BOUND - PLAIN GRANITE	\$650.00	\$9,750.00
711.	15	EA	BOUND REMOVED AND RESET	\$550.00	\$8,250.00
748.	1	LS	MOBILIZATION	\$122,000.00	\$122,000.00
751.	135	CY	LOAM BORROW	\$58.00	\$7,830.00
756.	15	LS	NPDES STORMWATER POLLUTION PREVENTION PLAN	\$6,000.00	\$90,000.00
765.	915	SY	SEEDING	\$2.00	\$1,830.00
767.6	15	CY	AGED PINE BARK MULCH	\$85.00	\$1,275.00
772.037	15	EA	ARBORVITAE - DARK AMERICAN 6-7 FEET	\$620.00	\$9,300.00
775.431	15	EA	LOCUST - HONEY - 'SHADEMASTER' 2-2.5 INCH CALIPER	\$800.00	\$12,000.00
777.036	15	EA	OAK - NORTHERN RED 2-2.5 INCH CALIPER	\$800.00	\$12,000.00
778.027	15	EA	GINKGO - 'GOLD SPIRE' 2-2.5 INCH CALIPER	\$800.00	\$12,000.00
778.169	15	EA	BIRCH - RIVER 'HERITAGE' 2-2.5 INCH CALIPER	\$850.00	\$12,750.00
785.591	15	EA	HOLLY - 'SOFT TOUCH' 18-24 INCH CALIPER	\$90.00	\$1,350.00
785.637	15	EA	INKBERRY - 'SHAMROCK' 18-24 INCH	\$90.00	\$1,350.00
786.475	15	EA	JUNIPER - 'SEA GREEN' 2.5-3 FEET	\$96.00	\$1,440.00
789.741	30	EA	CHOKEBERRY-'LOWSCAPE MOUND'- 18-24 INCH SPREAD	\$110.00	\$3,300.00
791.321	15	EA	FOTHERGILLA - 'MOUNT AIRY' 3-4 FEET	\$450.00	\$6,750.00
793.055	15	EA	NINEBARK SHRUB - 'TINY WINE' 2-3 FEET	\$110.00	\$1,650.00
794.322	15	EA	SUMAC SHRUB - FRAGRANT 'GRO LOW' 18-24 INCH	\$72.00	\$1,080.00
794.741	45	EA	SUMMERSWEET SHRUB 'SUGARTINA' 18-24 INCH	\$110.00	\$4,950.00
794.815	15	EA	SWEETSPIRE-'MERLOT' 2-3 FEET	\$110.00	\$1,650.00
796.425	195	EA	DWARF FOUNTAIN GRASS - LITTLE BUNNY 1 GALLON	\$26.00	\$5,070.00
796.457	45	EA	SWITCH GRASS - 'HEAVY METAL' 1 GALLON	\$38.00	\$1,710.00
796.459	60	EA	SWITCH GRASS - 'SHENANDOAH' 1 GALLON	\$38.00	\$2,280.00
796.753	255	EA	DAYLILLY - 'HAPPY RETURNS' 1 GALLON	\$26.00	\$6,630.00
796.754	180	EA	DAYLILLY - 'PURPLE D-ORO' 1 GALLON	\$26.00	\$4,680.00
796.788	60	EA	LAVENDER - HIDCOTE 1 GALLON	\$38.00	\$2,280.00
804.3	5000	FT	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	\$45.00	\$225,000.00
811.27	39	EA	ELECTRIC HANDHOLE - (MUNICIPAL STANDARD)	\$1,600.00	\$62,400.00
811.28	4	EA	FIBER OPTIC HANDHOLE POLYMER CONCRETE WITH COVER	\$1,600.00	\$6,400.00
811.31	22	EA	PULL BOX 12 X 12 INCHES - SD2.031	\$1,000.00	\$22,000.00
812.16	39	EA	LIGHT STANDARD FOUNDATION - CONCRETE	\$2,000.00	\$78,000.00
813.8	1	LS	SERVICE CONNECTION (OVERHEAD)	\$13,000.00	\$13,000.00
815.11	2	EA	ELECTRONIC BLANK-OUT SIGN	\$6,000.00	\$12,000.00
816.01	1	LS	TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 1	\$175,000.00	\$175,000.00
816.02	1	LS	TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 2	\$255,000.00	\$255,000.00
816.8	1	LS	TRAFFIC CONTROL SIGNAL REMOVED AND STACKED	\$12,000.00	\$12,000.00
821.93	26	EA	ORNAMENTAL LIGHT POLE - POST TOP (MUNICIPAL STANDARD)	\$7,500.00	\$195,000.00
821.94	13	EA	ORNAMENTAL LIGHT POLE - POST TOP DOUBLE LUMINAIRE (MUNICIPAL STANDARD)	\$8,500.00	\$110,500.00
823.61	1	LS	HIGHWAY LIGHTING LOAD CENTER	\$16,000.00	\$16,000.00
823.913	52	EA	ORNAMENTAL POST TOP ACORN LUMINAIRE, 93 W LED (MUNICIPAL STANDARD)	\$2,000.00	\$104,000.00
824.221	3	EA	RECTANGULAR RAPID FLASHING BEACON (SOLAR POWERED)	\$12,500.00	\$37,500.00
824.222	1	EA	RECTANGULAR RAPID FLASHING BEACON (AC POWERED)	\$12,500.00	\$12,500.00
827.991	2	EA	SMALL GATEWAY SIGN	\$4,000.00	\$8,000.00
827.992	2	EA	LARGE GATEWAY SIGN	\$7,500.00	\$15,000.00
832.	140	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUM. PANEL (TYPE A)	\$14.00	\$1,960.00
847.1	18	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL	\$150.00	\$2,700.00
851.1	270	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	\$100.00	\$27,000.00
852.	325	SF	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	\$24.00	\$7,800.00
853.1	4	EA	PORTABLE BREAKAWAY BARRICADE TYPE III	\$150.00	\$600.00
854.016	5500	FT	TEMPORARY PAVING MARKINGS - 6 INCH (PAINTED)	\$0.50	\$2,750.00
856.12	1600	DAY	PORTABLE CHANGEABLE MESSAGE SIGN	\$25.00	\$40,000.00
859.	13500	DAY	REFLECTORIZED DRUM	\$0.25	\$3,375.00
859.1	2700	DAY	REFLECTORIZED DRUMS WITH SEQUENTIAL FLASHING WARNING LIGHTS	\$5.00	\$13,500.00
860.106	450	FT	6 INCH REFLECTORIZED WHITE LINE (PAINTED)	\$1.00	\$450.00
861.106	550	FT	6 INCH REFLECTORIZED YELLOW LINE (PAINTED)	\$1.00	\$550.00
864.04	450	SF	PAVEMENT ARROWS AND LEGENDS REFL. WHITE (THERMOPLASTIC)	\$8.50	\$3,825.00
866.106	2800	FT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$1.00	\$2,800.00
866.112	2000	FT	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$4.00	\$8,000.00
867.106	2500	FT	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$1.00	\$2,500.00
867.112	720	FT	12 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$4.00	\$2,880.00

868.12	1050	FT	12 INCH REFLECTORIZED WHITE LINE (EPOXY)	\$2.00	\$2,100.00
874.01	3	EA	STREET NAME SIGN - TOWN STANDARD	\$125.00	\$375.00
874.1	2	EA	STREET SIGN REMOVED AND RESET	\$190.00	\$380.00
874.4	12	EA	TRAFFIC SIGN REMOVED AND STACKED	\$30.00	\$360.00
875.	1	LS	PARKING KIOSK	\$10,000.00	\$10,000.00
999.001	5500	HR	POLICE DETAIL	\$60.00	\$330,000.00

**SUBTOTAL:** \$4,282,405.00  
 10% Contingency & Inflation: \$428,241.00  
**TOTAL:** \$4,710,646.00

Saxonville Intersection Limit of Work  
October 2023



**KEY**

-  WORK LIMITS
-  PARCELS

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
 The goal of traffic calming is to improve safety for motorists, pedestrians, and cyclists. Measures include signage, speed humps, pedestrian crossing lights, and reconfiguring intersections. This project provides for the study, design and construction of traffic calming measures and other related safety improvements to public roadways following the City's Traffic Calming Policy and recommendations from the Traffic Commission and City departments. These measures contribute to improved safety and livability for Framingham's streets and neighborhoods. While new traffic concerns are brought forward by residents and business owners on an ongoing basis, current areas of concern are excessive accident counts on Grant Street and speeding on Grove Street, Brook Street, Potter Road, Winter Street, and Old Connecticut Path.

**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**

(3) **PURPOSE OF PROJECT:**

<input type="checkbox"/>	Replace existing infrastructure
<input type="checkbox"/>	Replace existing capital asset
<input type="checkbox"/>	Replace existing vehicle
<input type="checkbox"/>	Replace equipment
<input checked="" type="checkbox"/>	New infrastructure
<input type="checkbox"/>	New capital asset
<input type="checkbox"/>	New vehicle
<input type="checkbox"/>	New equipment
<input checked="" type="checkbox"/>	Strategic/Comprehensive/Master plan

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility						
c. Design						
d. Construction	150,000		150,000		150,000	300,000
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	<b>150,000</b>	<b>-</b>	<b>150,000</b>	<b>-</b>	<b>150,000</b>	<b>300,000</b>

(5) **PRIORITY:**

a. <input checked="" type="checkbox"/> <b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input type="checkbox"/> <b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/> <b>economic development</b>	adds to the City's economic vibrancy
d. <input checked="" type="checkbox"/> <b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**

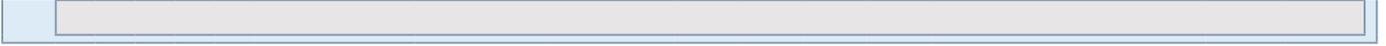
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- 
- 

(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
 (11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

(9) **FINANCE DEPARTMENT NOTES:**





## CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | ADMINISTRATION

110 Western Avenue  
Framingham, MA 01702

508-532-5600  
dpwgeneral@framinghamma.gov  
www.framinghamma.gov

### MEMORANDUM

**DATE:** October 16, 2023  
**TO:** Robert Lewis, Director of Public Works  
**FROM:** William Sedewitz, P.E., Chief Engineer <sup>WRS</sup>  
**RE:** FY25 Capital Request – Traffic Calming

This appropriation will provide funding for the study, design and construction of traffic calming measures and other related safety improvements to public roadways. Projects will be identified by the Traffic Commission and city departments. Recent traffic calming improvements have included the installation of Rectangular Rapid Flash Beacons (RRFBs) at the Edgell Road @ Frost Street & McAdams Road intersection and at the Edgell Road @ Bayberry Lane intersection; speed humps on Grove Street between Edmonds Road and Winch Street; and temporary traffic signal improvements at the Bishop Street @ Arthur Street intersection. A new crosswalk with RRFB will be installed on Brook Street at the walking path to the King Elementary School before the end of the construction season.

Currently temporary measures, including an all way stop condition and a traffic divertor island are being evaluated on a section of Salem End Road to address speeding and high crash rate concerns. Traffic calming evaluations are also underway in multiple locations, including the Coburnville area, Winter Street and the Normandy Road / Arsenal Road area.

Traffic Calming – FY2025 Capital Proposal



*Crosswalk w/ RRFB – Edgell Rd @ Bayberry Ln*



*Temporary Signal Improvements – Bishop St @ Arthur*



*Speed Hump  
Grove Street*



*Traffic  
Divertor  
Island - New  
York Avenue*



**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
  
**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**

(3) **PURPOSE OF PROJECT:**

<input checked="" type="checkbox"/>	Replace existing infrastructure
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(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility	100,000					
c. Design						
d. Construction						
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	100,000	-	-	-	-	-

(5) **PRIORITY:**

a. <input type="checkbox"/>	<b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input checked="" type="checkbox"/>	<b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/>	<b>economic development</b>	adds to the City's economic vibrancy
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	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**

- 1)
- 2)
- 3)

(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
(11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

(9) **FINANCE DEPARTMENT NOTES:**



## CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | ADMINISTRATION

110 Western Avenue  
Framingham, MA 01702

508-532-5600  
dpwgeneral@framinghamma.gov  
www.framinghamma.gov

### MEMORANDUM

**DATE:** October 16, 2023

**TO:** William Sedewitz, P.E., Chief Engineer

**FROM:** Simon Alexandrovich, P.E., Director of Transportation Engineering

**RE:** **FY25 Capital Request – Taralli Terrace & Second Street Bridges – Evaluation**

---

The 2013 "[Town-Wide Bridge Inspection and Master Plan](#)" assessed the conditions of the Taralli Terrace and Second Street bridges, both of which span the Beaver Dam Brook.

The Taralli Terrace over Beaver Dam Brook is a reinforced concrete box culvert that was built in 1960. The underside of the culvert roof slab has minor scaling and a significant deficiency was identified in the center of the channel, under the middle of the roadway as a localized channel scour hole, measuring 18 inches in diameter and one foot deep. The report also identified a possible weight limit based on a previous 1977 assessment, and recommended installing crashworthy railings. There is moderate aggradation of streambed material and tree limbs along the south half of the structure, and there is an equal amount of degradation on the north half of the channel, within the structure. Bridge maintenance should be performed to remove the debris that is built-up at the inlet grate and within the box culvert as well as re-grading the culvert streambed to provide a smooth profile for the Brook.

The Second Street bridge over Beaver Dam Brook is a reinforced concrete deck slab bridge built in 1929. The report revealed that the most serious deficiency is the large diagonal cracks in the abutment breastwalls, emanating from the corners of the utility openings/cutouts. The sizes of the cracks are typically in the range of ½ inch to 2 inches wide, with a crack measuring up to 3 inches wide. The most troubling aspect of the deficiency is that there is no steel reinforcement visible in the large voids where the cracks have opened up. Without steel reinforcement, the cracked sections of the abutments are acting independently of one another, resulting in an unreliable and potentially unstable bridge substructure.

This request of \$100,000 is to fund an updated and more extensive assessment of these bridges including performing a bridge rating report for each structure. The rating will require a Non-Destructive Testing company to be contracted in order to perform measurements of the rebar size and spacing. This assessment will determine if a load rating should be implemented and

determine what improvements are necessary. This appropriation may fund design, maintenance, and/or minor improvements if the assessment identifies cost-effective options.

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
  
**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**

(3) **PURPOSE OF PROJECT:**

<input checked="" type="checkbox"/>	Replace existing infrastructure
<input type="checkbox"/>	Replace existing capital asset
<input type="checkbox"/>	Replace existing vehicle
<input type="checkbox"/>	Replace equipment
<input type="checkbox"/>	New infrastructure
<input type="checkbox"/>	New capital asset
<input type="checkbox"/>	New vehicle
<input type="checkbox"/>	New equipment
<input checked="" type="checkbox"/>	Strategic/Comprehensive/Master plan

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility						
c. Design						
d. Construction	500,000	500,000	500,000	500,000	500,000	1,500,000
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>1,500,000</b>

(5) **PRIORITY:**

a. <input checked="" type="checkbox"/> <b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input checked="" type="checkbox"/> <b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/> <b>economic development</b>	adds to the City's economic vibrancy
d. <input type="checkbox"/> <b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**

- 
- 
- 

(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
(11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

(9) **FINANCE DEPARTMENT NOTES:**



## CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | OPERATIONS

OPERATIONS CENTER  
100 Western Avenue  
Framingham, MA 01702

508-532-6060  
wastewater@framinghamma.gov  
www.framinghamma.gov

### MEMORANDUM

**DATE:** 10/17/2023

**TO:** Kathryn Ronconi  
Director of Highway and Sanitation

**FROM:** Diane Hayes  
Senior Highway and Sanitation Engineer

**RE:** **FY2025 Drainage System & Surface Water Quality Capital Request**  
**Amount: \$500,000**

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Annual Appropriation for Public Works capital repairs and upgrades to the stormwater conveyance system throughout the City. Public Works manages the drainage system consisting of approximately 65 miles of drainage pipe connecting 8,000 catch basins and 2,000 drainage manholes as well as BMPs, culverts, channels and other open conveyances that carry stormwater.

Typically, these improvements are prioritized to mitigate residential flooding or are made in conjunction with roadway improvements. Projects include the restoration of deteriorating pipes and open channels, the rebuilding of catch basins, the inspection of drainage manholes and catch basins and closed circuit television (CCTV) survey of suspect drainage lines. The improvements will restore the systems to original capacity and reduce the risk of flooding to vulnerable areas. The funds will also provide for improvements in water quality and assist the City in complying with the EPA's Municipal Separate Storm Sewer System (MS4) permit requirements.

#### Drainage System & Surface Water Quality Projects for FY25

Fountain Street Culvert replacement located at 250 Fountain Street (within the roadway rehabilitation limits), previously identified in the Culvert Assessment Report and requiring the replacement of a 24"x36" inch stone culvert and the repair of two headwalls.

CCTV Investigation of FY2025 Road Program Streets.

Additional Storm Drain Infrastructure Improvements in the Following Locations:

Catchment areas adjacent to City Beaches.

Catchment areas adjacent to Impaired Water Bodies.

This list is for planning purposes in conjunction with the Road Program and coordinated with other utilities including Water and Sewer, Gas, Communications, and private development, all of which impact the Department's ability to perform work. Other locations may be identified requiring prioritization under this appropriation.

Reference document for the Culvert Assessment Report can be found here:

<https://file.ac/LGNqyVoKr8w/>

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
  
**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**

(3) **PURPOSE OF PROJECT:**

<input checked="" type="checkbox"/>	Replace existing infrastructure
<input type="checkbox"/>	Replace existing capital asset
<input type="checkbox"/>	Replace existing vehicle
<input type="checkbox"/>	Replace equipment
<input type="checkbox"/>	New infrastructure
<input type="checkbox"/>	New capital asset
<input type="checkbox"/>	New vehicle
<input type="checkbox"/>	New equipment
<input type="checkbox"/>	Strategic/Comprehensive/Master plan

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility						
c. Design						
d. Construction	3,250,000					
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	<b>3,250,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

(5) **PRIORITY:**

a. <input type="checkbox"/>	<b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input checked="" type="checkbox"/>	<b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/>	<b>economic development</b>	adds to the City's economic vibrancy
d. <input type="checkbox"/>	<b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**

- 
- 
- 

(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
(11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

(9) **FINANCE DEPARTMENT NOTES:**



## CITY OF FRAMINGHAM DEPARTMENT OF PUBLIC WORKS

---

100 Western Avenue  
Framingham, MA 01702  
[www.framinghamma.gov](http://www.framinghamma.gov)

To: Bob Lewis, DPW Director  
From: Matthew J. Hayes, P.E., Senior Project Manager - Transportation  
Cc: William Sedewitz, P.E.; Robert Sheldon, P.E.; Eric Johnson, P.E.  
Date: October 17, 2023  
Re: FY25 Capital Improvements Project Request – Design and Construct  
Garvey Road and Leo Chasse Way Roadway Improvements

---

**Project Description** – Garvey Road and Leo Chasse Way were constructed in 1982 as part of the “Dennison Hill” subdivision. These are local roads, approximately 4,800 feet in total length, with 24’ wide asphalt pavement, granite curbing (where grade exceeds 3%), 5’ wide asphalt sidewalk, underground water (DI Pipe), sewer (AC Pipe) and drainage systems (RCP), guardrails (where applicable) and street lighting behind curbing in the two foot grass strip. There is an underground sewer pump station, behind the sidewalk, at the north end of Garvey Road. No upgrades or systematic repairs have been completed since the roads were constructed.

The Garvey Road and Leo Chasse Way roadways are in poor condition, with extensive cracking, along with utility and pothole patches. The roadways are proposed to be reclaimed. Pavement markings, signs, and street lights are in disrepair, missing, poorly functioning and/or nonfunctional. Missing street light standards will be replaced and the direct buried cable will be replaced with lighting conduit and new wiring. Curbing appears in good condition, but not set in concrete. Existing curbing will be reset in concrete in accordance with current City of Framingham standards. Sidewalk will be replaced to meet current ADA accessibility requirements. The existing drainage system appears to be in fair condition, and will be retained with minor modifications. The condition of the sub-drain system is unknown. The 18” RCP culvert has been identified, by VHB in the Culvert Assessment and Priority Report (2021), to be in critical condition, requiring significant repairs. Wooden guardrails, water and sewer systems appear to be in satisfactory condition, only spot repairs may be needed.

**Project Justification** – These existing roads are in poor condition, with extensive cracking, utility and pothole patches. Curbs are displaced, pavement markings and signs are missing, and sidewalks are not ADA compliant. Street lights are nonfunctional, apparently due to direct buried power lines.

**Project Budget** - This project was previously deferred from the FY20 funding request and then from the FY21 funding request. The project is anticipated to be constructed by the City’s On-Call roadway contractor. Based on the above assumptions, the Opinion of Probable Cost for construction of this project is \$3,250,000. This cost is based on PW-1050 Contract Unit Prices from the City’s On-Call roadway contractor.

Newport Construction Corp. Executed Contract PW-1050: <https://file.ac/1CoNXOpzn7E/>  
1982-04-09 Subdivision Plan: <https://file.ac/AepqBVjrlRE/>

Garvey Road and Leo Chasse Way - Roadway Improvements

Item	Unit Cost	Quantity	Total	Notes:
120.1 Unclassified Excavation	\$15.00	2862	\$42,930.00	Area (SY) = 12,880; Assume 8" Depth
146 Drain Structure Removed	\$3,000.00	4	\$12,000.00	Assume 10% Replacement of CBs
170 Fine Grading and Compacting	\$22.00	12880	\$283,360.00	
180.903 Disposal of Impacted soils less than RCS-1	\$45.00	1431	\$64,395.00	Assumes contaminated (asphalt) reclaimed material
201.5 Catch Basin	\$9,000.00	4	\$36,000.00	Assume 10% Replacement of CBs
202.01 Manhole	\$9,000.00	2	\$18,000.00	Assume 10% Replacement of DMHs
220 Drain Struct adjusted	\$650.00	76	\$49,400.00	
222.3 Frame and Grate (or cover)	\$900.00	6	\$5,400.00	Assume 10% Replacement
227.31 Removal Drain Pipe Sediment	\$35.00	4000	\$140,000.00	
241.12 12" RCP	\$175.00	100	\$17,500.00	Assumes keeping drainage trunk replacing minor breaks
241.18 18" RCP	\$250.00		\$0.00	
241.24 24" RCP	\$250.00		\$0.00	
384.2 Curb Stop Adjusted	\$20.00	50	\$1,000.00	Approximate
403 Reclaimed Base Course	\$1.50	12880	\$19,320.00	
403.1 Crushed Stone for Blending	\$8.50	700	\$5,950.00	1" assumed
450.23 Superpave Surface 12.5 (1.5")	\$127.00	1120	\$142,240.00	Quantity (T) = 12,880 SY x 1.5" x 0.058 T/SY*In
450.31 Superpave Intermediate 12.5 (2.5")	\$127.00	1868	\$237,236.00	Quantity (T) = 12,880 SY x 2.5" x 0.058 T/SY*In
580 Curb R&R	\$40.00	7300	\$292,000.00	No replacement assumed
620.01 Steel backed wood guardrail	\$25.00	450	\$11,250.00	Assumes 50% replacement
702 HMA Walk	\$260.00	620	\$161,200.00	Quantity (T) = ((4,800x5)/9) SY x 4" x 0.058 T/SY*In
751 Loam & Seed	\$15,000.00	1	\$15,000.00	Assumed
804.3 3" Electrical Conduit	\$25.00	5000	\$125,000.00	
811.3 Pull Boxes	\$1,000.00	20	\$20,000.00	
869.04 Pavement Markings	\$0.20	4800	\$960.00	
Light Pole Disposal	\$20,000.00	1	\$20,000.00	Assumed
New Light Poles (Dagle)	\$2,750.00	20	\$55,000.00	Dagle provided cost (+25% for 2023)
Wiring	\$6.00	15000	\$90,000.00	Assumed
Replace 18" culvert	\$400,000.00	1	\$400,000.00	Assumed
Driveway Transitions	\$50,000.00	1	\$50,000.00	Assumed
		Sub-Total	\$2,315,141.00	
		40% Contingency	\$926,056.40	
		Total	\$3,241,197.40	
		Say	\$3,250,000	

**CITY OF FRAMINGHAM  
CAPITAL PROJECT/EQUIPMENT REQUEST - FY2025-2034 CIP**

DEPARTMENT:

DEPARTMENT PRIORITY:

(1) **PROJECT NAME:**   
**PROJECT STATUS:**

(2) **PROJECT DESCRIPTION AND JUSTIFICATION:**  
  
**PROJECT ADDITIONS/CHANGES JUSTIFICATION:**

(3) **PURPOSE OF PROJECT:**

<input checked="" type="checkbox"/>	Replace existing infrastructure
<input type="checkbox"/>	Replace existing capital asset
<input type="checkbox"/>	Replace existing vehicle
<input type="checkbox"/>	Replace equipment
<input type="checkbox"/>	New infrastructure
<input type="checkbox"/>	New capital asset
<input type="checkbox"/>	New vehicle
<input type="checkbox"/>	New equipment
<input type="checkbox"/>	Strategic/Comprehensive/Master plan

(4) **BUDGET REQUEST BY YEAR:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30-34
a. Land Acquisition						
b. Planning / Feasibility						
c. Design						
d. Construction	1,370,000		350,000			
e. Equipment/Vehicles						
f. Contingency						
g. Other						
<b>TOTAL</b>	1,370,000	-	350,000	-	-	-

(5) **PRIORITY:**

a. <input type="checkbox"/>	<b>health and safety</b>	safety concern, hazardous condition, agency compliance, non-functional, etc
b. <input checked="" type="checkbox"/>	<b>level service maintenance</b>	maintains City desired level of service
c. <input type="checkbox"/>	<b>economic development</b>	adds to the City's economic vibrancy
d. <input type="checkbox"/>	<b>service improvement</b>	new or improved service to meet demand

(6) **EFFECTS ON ANNUAL OPERATING BUDGET:**

	FY 25	FY 26	FY 27	FY 28	FY 29	FY30	YEARS 30-34
Personnel							
Operating							

(7) **PROPOSED FUNDING SOURCE(S):**

- Bond**
- 
- 

(10) **PROJECT OR EQUIPMENT LOCATION:**  
  
(11) **ASSET TYPE:**

(7a) **POTENTIAL GRANT FUNDING SOURCE IF APPLICABLE: (List source and matching requirements)**

(8) **PROJECT LEAD NAME & CONTACT INFO: (ADDITIONAL PROJECT INFO AS NEEDED)**

(9) **FINANCE DEPARTMENT NOTES:**



## CITY OF FRAMINGHAM

DEPARTMENT OF PUBLIC WORKS | OPERATIONS

OPERATIONS CENTER  
100 Western Avenue  
Framingham, MA 01702

508-532-6060  
wastewater@framinghamma.gov  
www.framinghamma.gov

### MEMORANDUM

**DATE:** 10/12/2023

**TO:** William Sedewitz, PE  
Chief Engineer

**FROM:** Eric Johnson, PE  
City Engineer

**RE:** **Unaccepted Streets Improvements**

---

These funds will allow the City to improve Candlestick Lane, Gaslight Lane, and Lantern Road to City roadway standards. Work will include paving, curbing, drainage improvements, and signage. These funds will also support the surveying and legal services to support public acceptance. These roads are currently private roads in the City of Framingham. These roads were created under subdivision control and were intended for eventual acceptance. These roads were not maintained by a homeowners association or other consolidated entity and have therefore deteriorated to an unacceptable level of disrepair. Property owners in this area have requested that the City accept the roads as public roadways.

The DPW estimated the costs by measuring and estimating quantities and using unit prices from the roadway on-call contract. These supporting cost documents are attached to this memo.

**Unaccepted Streets Improvements**

Candlestick Lane	\$163,946.70
Gaslight Lane	\$493,334.00
Lantern Road	\$534,395.75
Subtotal	\$1,191,676.45
Contingency (15%)	\$178,751.47
Total	\$1,370,427.92
<b>SAY</b>	<b>\$1,370,000</b>

Candlestick

Estimated Total
\$163,946.70

Item	Est. Quantity	Unit	Description	Unit price	Est. cost
101.9	480.0	SY	Clearing and Grubbing	\$0.25	\$120.00
102.511	2.0	EA	Roadside Tree Protection	\$49.00	\$98.00
120.1	10.0	CY	Unclassified Excavation	\$15.00	\$150.00
129	1700.0	SY	Hot Mix Asphalt Pavement Milling	\$8.00	\$13,600.00
141	10.0	CY	Class A Trench Excavation	\$1.50	\$15.00
145.99	10.0	FT	Abandon Existing Pipe (All Sizes)	\$30.00	\$300.00
146	1.0	EA	Drainage Structure Removed	\$3,000.00	\$3,000.00
153	1.0	CY	Controlled Density Fill-Excavatable	\$350.00	\$350.00
156	0.2	TON	Crushed Stone	\$6.00	\$1.20
170	1000.0	SY	Fine Grading and Compacting	\$22.00	\$22,000.00
180.906			Management, Hauling and Disposal of Material for Asphalt		
	50.0	TON	Batch Plant In-State (Class B-3)	\$35.00	\$1,750.00
201.5	1.0	EA	Catch Basin-Municipal Standard	\$9,000.00	\$9,000.00
202.01	1.0	EA	Manhole- Municipal Standard	\$9,000.00	\$9,000.00
220	3.0	EA	Drainage Structure Adjusted	\$650.00	\$1,950.00
220.2	1.0	FT	Drainage Structure Rebuilt	\$450.00	\$450.00
220.3	1.0	EA	Drainage Structure Change in Type	\$800.00	\$800.00
220.7	3.0	EA	Sanitary Structure Adjusted	\$650.00	\$1,950.00
220.8	1.0	EA	Sanitary Structure Remodeled	\$500.00	\$500.00
222.3	2.0	EA	Frame and Grate(or Cover) - Municipal Standard	\$900.00	\$1,800.00
227.3	1.0	CY	Removal of Drainage Structure Sediment	\$355.00	\$355.00
227.31	10.0	FT	Removal of Drainage Pipe Sediment	\$35.00	\$350.00
241.12	10.0	FT	12 Inch Reinforced Concrete Pipe	\$175.00	\$1,750.00
358	1.0	EA	Gate Box Adjusted	\$180.00	\$180.00
381.3	1.0	EA	Service Box Adjusted	\$75.00	\$75.00
384.2	5.0	EA	Curb Stop Adjusted	\$20.00	\$100.00
403.1	1.0	TON	Crushed Stone for Blending	\$8.50	\$8.50
440	1000.0	LB	Calcium Chloride for Roadway Dust Control	\$1.00	\$1,000.00
443	100.0	MGL	Water for Roadway Dust Control	\$0.01	\$1.00
452	200.0	GAL	Asphalt emulsion for Tack Coat	\$15.00	\$3,000.00
453	600.0	FT	HMA Joint Sealant	\$0.15	\$90.00
450.23	135.0	TON	Superpave Surface Course - 12.5 (SSC-12.5)	\$127.00	\$17,145.00
450.42	225.0	TON	Superpave Base Course-37.5 (SBC-37.5)	\$65.00	\$14,625.00
472	10.0	TON	Hot Mix Asphalt for Miscellaneous Work	\$300.00	\$3,000.00
482.3	500.0	FT	Sawing Asphalt Pavement	\$0.01	\$5.00
504.9	70.0	FT	Granite Curb Type VA-4	\$68.00	\$4,760.00
509.9	100.0	FT	Granite Curb Transition for Wheelchair Ramps	\$75.00	\$7,500.00
514.9	2.0	EA	Granite Curb Inlet	\$375.00	\$750.00
580	800.0	FT	Curb Removed and Reset	\$40.00	\$32,000.00
581	2.0	EA	Curb Inlet Removed and Reset	\$120.00	\$240.00
590	30.0	FT	Curb Removed and Stacked	\$1.00	\$30.00
697.1	3.0	EA	Silt Sack	\$1.00	\$3.00
701.2	15.0	SY	Cement Concrete Wheelchair Ramp	\$200.00	\$3,000.00
702	15.0	TON	Hot Mix Asphalt for Sidewalk or Driveway	\$260.00	\$3,900.00
711	2.0	EA	Bound Removed and Reset	\$200.00	\$400.00
751	30.0	CY	Loam Borrow and Seed	\$10.00	\$300.00
751.91	10.0	HR	Loam Borrow and Seed Placement Only	\$50.00	\$500.00
847.1	1.0	EA	Sign Support with One Breakaway Post - Steel	\$65.00	\$65.00
852	20.0	SF	Safety Signing for Construction Traffic	\$3.00	\$60.00
999.1	32.0	HR	Uniformed Police Details	\$60.00	\$1,920.00

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\$163,946.70

Gaslight

Estimated Total
\$493,334.00

Item	Est. Quantity	Unit	Description	Unit price	Est. cost
101.9	480.0	SY	Clearing and Grubbing	\$0.25	\$120.00
102.5	2.0	EA	Roadside Tree Protection	\$49.00	\$98.00
120.1	10.0	CY	Unclassified Excavation	\$15.00	\$150.00
129	4050.0	SY	Hot Mix Asphalt Pavement Milling	\$8.00	\$32,400.00
141	20.0	CY	Class A Trench Excavation	\$1.50	\$30.00
145.99	10.0	FT	Abandon Existing Pipe (All Sizes)	\$30.00	\$300.00
146	4.0	EA	Drainage Structure Removed	\$3,000.00	\$12,000.00
150	100.0	CY	Ordinary Borrow	\$0.01	\$1.00
151	100.0	CY	Gravel Borrow	\$5.00	\$500.00
153	20.0	CY	Controlled Density Fill-Excavatable	\$350.00	\$7,000.00
156	20.0	TON	Crushed Stone	\$6.00	\$120.00
170	4050.0	SY	Fine Grading and Compacting	\$22.00	\$89,100.00
180.906			Management, Hauling and Disposal of Material for Asphalt		
	75.0	TON	Batch Plant In-State (Class B-3)	\$35.00	\$2,625.00
201.5	4.0	EA	Catch Basin-Municipal Standard	\$9,000.00	\$36,000.00
202.01	2.0	EA	Manhole- Municipal Standard	\$9,000.00	\$18,000.00
204.3	4.0	EA	Gutter Inlet - Municipal Standard	\$5,000.00	\$20,000.00
220	22.0	EA	Drainage Structure Adjusted	\$650.00	\$14,300.00
220.2	25.0	FT	Drainage Structure Rebuilt	\$450.00	\$11,250.00
220.5	4.0	EA	Drainage Structure Remodeled	\$500.00	\$2,000.00
220.7	9.0	EA	Sanitary Structure Adjusted	\$650.00	\$5,850.00
220.8	4.0	EA	Sanitary Structure Remodeled	\$500.00	\$2,000.00
222.3	16.0	EA	Frame and Grate (or Cover) - Municipal Standard	\$900.00	\$14,400.00
227.3	8.0	CY	Removal of Drainage Structure Sediment	\$355.00	\$2,840.00
227.31	50.0	FT	Removal of Drainage Pipe Sediment	\$35.00	\$1,750.00
241.12	50.0	FT	12 Inch Reinforced Concrete Pipe	\$175.00	\$8,750.00
358	4.0	EA	Gate Box Adjusted	\$180.00	\$720.00
381.3	4.0	EA	Service Box Adjusted	\$75.00	\$300.00
384.2	2.0	EA	Curb Stop Adjusted	\$20.00	\$40.00
403	2000.0	SY	Reclaimed Pavement for Base Course	\$1.50	\$3,000.00
403.1	20.0	TON	Crushed Stone for Blending	\$8.50	\$170.00
440	2000.0	LB	Calcium Chloride for Roadway Dust Control	\$1.00	\$2,000.00
443	300.0	MGL	Water for Roadway Dust Control	\$0.01	\$3.00
452	500.0	GAL	Asphalt emulsion for Tack Coat	\$15.00	\$7,500.00
453	1300.0	FT	HMA Joint Sealant	\$0.15	\$195.00
450.23	345.0	TON	Superpave Surface Course - 12.5 (SSC-12.5)	\$127.00	\$43,815.00
450.42	570.0	TON	Superpave Base Course-37.5 (SBC-37.5)	\$65.00	\$37,050.00
472	10.0	TON	Hot Mix Asphalt for Miscellaneous Work	\$300.00	\$3,000.00
482.3	1000.0	FT	Sawing Asphalt Pavement	\$0.01	\$10.00
504.9	100.0	FT	Granite Curb Type VA-4	\$68.00	\$6,800.00
509.9	50.0	FT	Granite Curb Transition for Wheelchair Ramps	\$75.00	\$3,750.00
514.9	4.0	EA	Granite Curb Inlet	\$375.00	\$1,500.00
580	2000.0	FT	Curb Removed and Reset	\$40.00	\$80,000.00
590	200.0	FT	Curb Removed and Stacked	\$1.00	\$200.00
697.1	22.0	EA	Silt Sack	\$1.00	\$22.00
701.2	8.0	SY	Cement Concrete Wheelchair Ramp	\$200.00	\$1,600.00
702	35.0	TON	Hot Mix Asphalt Sidewalk or Driveway	\$260.00	\$9,100.00
706.19	25.0	SY	Brick or Concrete Paver Walk Removed and Relaid	\$100.00	\$2,500.00
711	2.0	EA	Bound Removed and Reset	\$200.00	\$400.00
751	95.0	CY	Loam Borrow and Seed	\$10.00	\$950.00
751.91	20.0	HR	Loam Borrow and Seed Placement Only	\$50.00	\$1,000.00
847.1	1.0	EA	Sign Support with One Breakaway Post - Steel	\$65.00	\$65.00
852	20.0	SF	Safety Signing for Construction Traffic	\$3.00	\$60.00
999.1	100.0	HR	Uniformed Police Details	\$60.00	\$6,000.00

\$493,334.00

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Estimated Total
\$534,395.75

Item	Est. Quantity	Unit	Description	Unit price	Est. cost
101	960.0	A	Clearing and Grubbing	\$0.25	\$240.00
102.511	4.0	EA	Roadside Tree Protection	\$49.00	\$196.00
120.1	10.0	CY	Unclassified Excavation	\$15.00	\$150.00
129	5850.0	SY	Hot Mix Asphalt Pavement Milling	\$8.00	\$46,800.00
141	20.0	CY	Class A Trench Excavation	\$1.50	\$30.00
146	1.0	EA	Drainage Structure Removed	\$3,000.00	\$3,000.00
150	100.0	CY	Ordinary Borrow	\$0.01	\$1.00
151	100.0	CY	Gravel Borrow	\$5.00	\$500.00
153	20.0	CY	Controlled Density Fill-Excavatable	\$350.00	\$7,000.00
156	20.0	TON	Crushed Stone	\$6.00	\$120.00
170	5850.0	SY	Fine Grading and Compacting	\$22.00	\$128,700.00
180.906			Management, Hauling and Disposal of Material for Asphalt		
	100.0	TON	Batch Plant In-State (Class B-3)	\$35.00	\$3,500.00
201.5	2.0	EA	Catch Basin-Municipal Standard	\$9,000.00	\$18,000.00
202.01	1.0	EA	Manhole- Municipal Standard	\$9,000.00	\$9,000.00
204.3	1.0	EA	Gutter Inlet - Municipal Standard	\$5,000.00	\$5,000.00
220	16.0	EA	Drainage Structure Adjusted	\$650.00	\$10,400.00
220.2	20.0	FT	Drainage Structure Rebuilt	\$450.00	\$9,000.00
220.5	1.0	EA	Drainage Structure Remodeled	\$500.00	\$500.00
220.7	10.0	EA	Sanitary Structure Adjusted	\$650.00	\$6,500.00
220.8	4.0	EA	Sanitary Structure Remodeled	\$500.00	\$2,000.00
222.3	10.0	EA	Frame and Grate(or Cover) - Municipal Standard	\$900.00	\$9,000.00
227.3	10.0	CY	Removal of Drainage Structure Sediment	\$355.00	\$3,550.00
227.31	50.0	FT	Removal of Drainage Pipe Sediment	\$35.00	\$1,750.00
241.12	50.0	FT	12 Inch Reinforced Concrete Pipe	\$175.00	\$8,750.00
358	2.0	EA	Gate Box Adjusted	\$180.00	\$360.00
381.3	2.0	EA	Service Box Adjusted	\$75.00	\$150.00
384.2	2.0	EA	Curb Stop Adjusted	\$20.00	\$40.00
403	2500.0	SY	Reclaimed Pavement for Base Course	\$1.50	\$3,750.00
403.1	25.0	TON	Crushed Stone for Blending	\$8.50	\$212.50
440	2200.0	LB	Calcium Chloride for Roadway Dust Control	\$1.00	\$2,200.00
443	325.0	MGL	Water for Roadway Dust Control	\$0.01	\$3.25
452	750.0	GAL	Asphalt emulsion for Tack Coat	\$15.00	\$11,250.00
453	1500.0	FT	HMA Joint Sealant	\$0.15	\$225.00
450.23	495.0	TON	Superpave Surface Course - 12.5 (SSC-12.5)	\$127.00	\$62,865.00
450.42	820.0	TON	Superpave Base Course-37.5 (SBC-37.5)	\$65.00	\$53,300.00
472	20.0	TON	Hot Mix Asphalt for Miscellaneous Work	\$300.00	\$6,000.00
482.3	1200.0	FT	Sawing Asphalt Pavement	\$0.01	\$12.00
504.9	100.0	FT	Granite Curb Type VA-4	\$68.00	\$6,800.00
509.9	10.0	FT	Granite Curb Transition for Wheelchair Ramps	\$75.00	\$750.00
514.9	1.0	EA	Granite Curb Inlet	\$375.00	\$375.00
580	2000.0	FT	Curb Removed and Reset	\$40.00	\$80,000.00
581	5.0	EA	Curb Inlet Removed and Reset	\$120.00	\$600.00
590	100.0	FT	Curb Removed and Stacked	\$1.00	\$100.00
697.1	16.0	EA	Silt Sack	\$1.00	\$16.00
702	45.0	TON	Hot Mix Asphalt Sidewalk or Driveway	\$260.00	\$11,700.00
706.19	75.0	SY	Brick or Concrete Paver Walk Removed and Relaid	\$100.00	\$7,500.00
711	6.0	EA	Bound Removed and Reset	\$200.00	\$1,200.00
751.91	130.0	CY	Loam Borrow and Seed	\$10.00	\$1,300.00
751.991	15.0	HR	Loam Borrow and Seed Placement Only	\$50.00	\$750.00
847.1	2.0	EA	Sign Support with One Breakaway Post - Steel	\$65.00	\$130.00
852	40.0	SF	Safety Signing for Construction Traffic	\$3.00	\$120.00
999.1	150.0	HR	Uniformed Police Details	\$60.00	\$9,000.00

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 \$534,395.75