

MONTAGUE CAPITAL IMPROVEMENTS COMMITTEE

MEETING AGENDA

Meeting Accessible Via Zoom Only

[https://us02web.zoom.us/j/88366365837?pwd=RCK20VO2m7l](https://us02web.zoom.us/j/88366365837?pwd=RCK20VO2m7lxsIG74BkB1tXjuHDCeL.1)

[xsIG74BkB1tXjuHDCeL.1](https://us02web.zoom.us/j/88366365837?pwd=RCK20VO2m7lxsIG74BkB1tXjuHDCeL.1) or Phone: (646) 931-3860

Meeting ID: 883 6636 5837 Passcode: 982186

Wednesday, February 5, 2025 from 3:30 to 5:00 pm

Votes May Be Taken

1. Call to Order and Approve any outstanding meeting minutes: 1/29/25
2. Discussion with DPW Superintendent Sam Urkiel; review of vehicle replacement requests
 - a. Replace 2003 International 7400 10 wheel dump truck (\$365,000)
 - b. Replace 2002 International 4900 dump truck (\$325,000)
 - c. Replace 2001 Ford E450 camera van (\$70,000)
 - d. Replace 2007 Ford F-150 pickup (\$65,000)
3. Review and vote all Capital Article Requests to Annual Town Meeting (attached)
4. Next steps in the FY26 Capital Planning Cycle
5. Topics not anticipated in the 48 hour posting requirements
6. Set next meeting date and time
7. Adjournment

Montague FY26 Capital Cycle Requests As of January 27, 2025									
Submitted by	Project Description	On Cap Plan	Amount Requested	Quote Received	CIC Vote	Winter STM	Annual ATM	Funding Source	Notes/Comments
CWF	Admin building break room/meeting room rehab	YES (from original project)	\$48,500	NO	5 Y	X		\$21,218.40 from unexpended past articles; \$27,281.60 from CWF Retained Earnings	
CWF	Purchase used mini-excavator	NO	\$60,000	YES				CWF Retained Earnings	
CWF	Portable emergency generator	YES	\$30,000	YES				CWF Retained Earnings	
CWF	Lake Pleasant station generator	YES	\$37,800	YES				CWF Retained Earnings	
CWF	Thickened sludge pump replacement (x2)	YES	\$104,000	YES				CWF Capital Stabilization	
DPW/Selectboard	Phase 2 - Sewer Collection System Rehabilitation	YES	\$3,000,000	YES				Debt - split between Town and CWF	
DPW	Replace 2003 International 7400 10 wheel dump truck	YES	\$365,000	NO					
DPW	Replace 2002 International 4900 dump truck	YES	\$325,000	NO					
DPW	Replace 2001 Ford E450 camera van	YES	\$70,000	NO					
DPW	Replace 2007 Ford F-150 pickup	YES	\$65,000	NO					
DPW	Oakman St slope stabilization	NO	\$60,000	YES					
DPW	Meadow Rd guardrail/culvert work	NO	\$200,000	NO				Possible DER Culvert Grant	
DPW	Equipment and major repairs (Discretionary)	YES	\$100,000	n/a					Amount will be decreased based on fund balance as of 3/1/25
DPW	Alley and non-Ch90 road paving	YES	\$30,000	n/a					
Library	Millers Falls Library storefront renovation	YES	\$39,000	YES					
Parks & Recreation	Unity Park playground improvements	YES	\$125,000	YES					
Selectboard/Planning	FRTA bus stop improvements (Industrial Blvd/Millers Falls Rd)	NO	\$60,000	YES	5 Y		X	Cannabis Impact Fees	
Selectboard/Planning	Montague Center Complete Streets Design	NO	\$91,200	YES	5 Y		X		
Total			\$4,810,500						
Capital Projects in development (not ready for FY26 ATM)			On CIP					Current Funding Source Balances (11/13/2024)	
Selectboard	Town Hall Annex buildout		YES					Town Capital Stab.	\$2,510,430
GMRS	Sheffield Admin repointing/exterior work		YES					CWF Capital Stab.	\$269,469
GMRS	Sheffield Admin window replacements		YES					CWF Retained Earnings	\$337,395
GMRS	Sheffield Admin ADA restrooms		YES					Cannabis Impact Fees	\$234,301
GMRS	MSBA New Elem School Feasibility Study		YES						
CWF	Secondary and primary clarifiers upgrade		YES						
DPW/Selectboard	Off-road sewer lines relining		YES						
DPW/Selectboard	Swamp Road bridge rehab match		YES						
DPW	Avenue A traffic signal replacements (2)		YES						
FY26 Grant funded capital projects			grant value	On CIP					
Congressional Earmark	Avenue A streetscape improvements		\$960,000	YES					
Rural/Small Town Development	Phase 1 - sewer collection system rehab		\$500,000	YES					
Site Readiness	Strathmore Demo Design		\$132,700	YES					
EPA Brownfields & DCR earmark	Strathmore Mill demolition		\$9,920,000	YES					
Comm Dev Block Grant	Downtown parking lots (3rd and 4th St)		\$125,953	YES					
DEP GAP II	CWF fine bubble aerators/diffusers		\$150,000	YES					
USDA Rural Dev.	Screw Pump Replacement		\$860,000	YES					
State Earmark	COA infrastructure improvements		\$50,000	YES					
Complete Streets	Montague Center traffic safety improvements		\$499,682	NO					
			\$13,198,335						



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: CWF Submitted by: Chelsey Little

Item/Project Cost: \$60,000 Date Prepared: 10/28/2024

Item/Project Title: Excavator (used)

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$60,000**, or any other amount, for the purpose of **procuring an excavator** including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

Mini/Small Excavator (used):.....\$60,000

Total:.....\$60,000

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

The CWF will oversee procurement and execution of the project.

Why is it essential that the Town makes this investment now?

The CWF performs many on-site and off-site routine updates and special projects requiring the use of an excavator. The facility is also responsible for managing its own groundskeeping, excavation, and lifting work when necessary. The CWF has borrowed other municipal excavators and spent over \$25,000 on the rental of a small excavator to perform site work on multiple projects for calendar year 2024, and would rather invest that money in the future into purchasing a used excavator to have on site consistently.

NOTE: The facility is not looking to purchase a brand-new excavator, as a used/low hour machine will suffice for the required applications.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

0

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Comments and additional information:

Request to fund through retained earnings.

Supporting Photos/Diagrams/Documents

Example of Requested Excavator

2017 VOLVO ECR88D



USD ▾ **USD \$57,500**

Machine Location: [60 State Rd, Phillipston, Massachusetts 01331](#)

Seller Information

BROOKSIDE EQUIPMENT (978) 249-4600

Contact: Sales

Phillipston, Massachusetts
01331



[Hide Thumbnails](#)

Description

24" bucket, hydraulic thumb, cab w/ a/c, 7'7" blade, 4 cyl Volvo turbo, roadliner pads, swing boom, 21k lbs



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Department: CWF Submitted by: Chelsey Little

Item/Project Cost: \$30,000 Date Prepared: 10/28/2024

Item/Project Title: Pump Station Portable Generator Replacement

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$30,000**, or any other amount, for the purpose of **replacing the pump station portable generator**, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

30 kW 3-Phase Portable Generator:.....\$30,000

Total:.....\$30,000

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

The CWF will oversee procurement and execution of the project.

Why is it essential that the Town makes this investment now?

The current back-up portable generator is circa 1981 and is overdue for replacement. A recent inspection performed by the service technician, PowerGen Technologies LLC, has recommended replacement as parts on the 1981 generators have become obsolete and cannot be replaced if the generators fail. DEP/MGL also requires operable and serviceable generators at all wastewater pumping stations in order to prevent a backup and discharge of untreated sewage during power outages. The portable generator is a redundant back-up power supply to any out of service fixed generators located at any of the eight (8) pump stations.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

0



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Comments and additional information:

Request to fund through retained earnings.

Supporting Photos/Diagrams/Documents

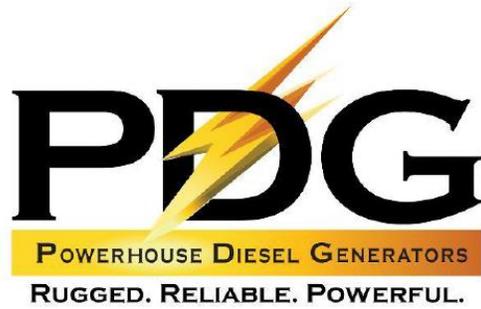
Current Portable Generator



Quotation

Powerhouse Diesel Generators

1616 JAMES P RODGERS DR
 VALDOSTA, GA 31601-7094
 PHONE: (229)-671-9171
 WWW.PDGPPOWER.COM



Estimate

Order #	Date
S15440	10/02/2024

Bill To:
POWERGEN TECHNOLOGIES 44 Hopyard Rd Stafford Springs, CT 06076

Ship To:
POWERGEN TECHNOLOGIES 44 Hopyard Rd Stafford Springs, CT 06076

Customer: POWERGEN TECHNOLOGIES

Contact: POWERGEN TECHNOLOGIES

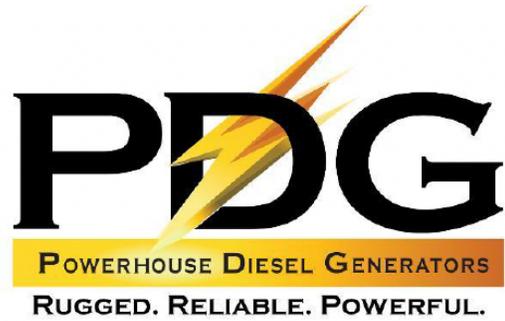
Sales Rep	Carrier	Ship Service	Estimated Tax
Elias Serrano	DELIVER		\$ 0.00

Description	Unit Price	Qty Ordered	Total Price
30 KW 3 PHASE OPEN FRAME GENERATOR - EPA CERTIFIED FOR EMERGENCY STANDBY USE PERKINS 404D-22TG Turbo After Cooled Diesel Engine - 12 Volt System - 1000 Amp Marine Grade Battery - Low Oil Pressure & High Coolant Temp Shutdowns are Standard - CK-4 Spec 15-40 Diesel Oil & 50/50 Engine Coolant Included - Remote Oil Drain Valve Installed with Hose - Industrial Grade Aluminized Exhaust Muffler - Assembled, Wired, & Mounted on Steel Cross Members with Anti-Vibration Motor Mounts	\$12,068.00	1 ea	\$ 12,068.00
THREE PHASE - 208 VOLT	\$0.00	1 ea	\$ 0.00
MAIN DISCONNECT BREAKER - 100 Amp 3 Pole 208 Volt NEMA 1 Installed, Wired	\$389.00	1 ea	\$ 389.00
ComAP AMF5	\$495.00	1 ea	\$ 495.00
REMOTE EMERGENCY STOP BUTTON	\$39.99	1 ea	\$ 39.99
COLD WEATHER PACKAGE 12V 750W - MOBILE Includes: •ComAp 12V Battery InteliCharger •Block Heater 750W •Noco AC Port Receptacle	\$648.00	1 ea	\$ 648.00
ENCLOSURE - LEVEL 1 ACOUSTIC - Industrial Grade Powder Coated Aluminum Enclosure with Steel Skid - UL-94, MVSS 302, & HF-1 Certified, Foil Backed, Level 1 Sound Attenuating Acoustic Foam Installed. - Large Access Doors with Locks for Security and Ease of Maintenance - All Stainless Steel Latches and Hardware - Includes Locking Door for Key Start or Auto Controller	\$3,295.00	1 ea	\$ 3,295.00

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Powerhouse Diesel Generators

1616 JAMES P RODGERS DR
 VALDOSTA, GA 31601-7094
 PHONE: (229)-671-9171
 WWW.PDGPOWER.COM



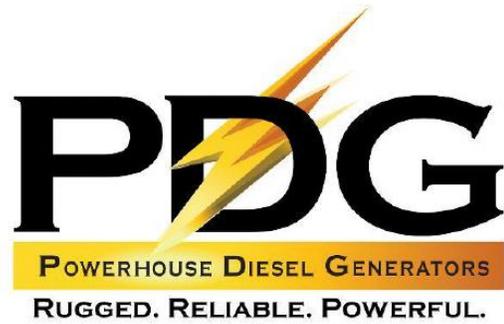
Estimate

Order #	Date
S15440	10/02/2024

Description	Unit Price	Qty Ordered	Total Price
RODENT GUARD PACKAGE • Safeguards Generator from Entry and Damage by Rodents, Snakes, and Birds • Protects Intake & Exhaust Ports, Fork Pockets, and Any Points of Entry in the Enclosure or Skid	\$219.00	1 ea	\$ 219.00
DOT FUEL TANK - 50 GALLON SINGLE WALL Sub-Base Fuel Tank Manufactured to DOT Compliant Standards - Industrial Powder Coated 11 Gauge Steel - Reinforced with Internal Structural Supports & Baffles - Forged UL Compliant Fittings - (Pickup, Return, Fill, Vent)	\$2,635.00	1 ea	\$ 2,635.00
Includes 1 quart of DIESEL MATE™ ALL SEASONS ADDITIVE (Treats 250 Gallons)			
External Coolant Drain- Flanged to Pass Through Frame or Skid	\$249.00	1 ea	\$ 249.00
External Oil Drain- Flanged to Pass Through Frame or Skid	\$249.00	1 ea	\$ 249.00
PDG HD GENSET TRAILER - SINGLE AXLE with BRAKES D.O.T. CERTIFIED - Single 5,200# Torsion Axle with Electric Brakes - 2" Ball Receiver - Drop Leg Tongue Jack - 15" Wheels & Tires - Fenders, License Plate Mount, & DOT Compliant Lights - Includes Certificate of Origin / Title GVWR: 5,200#	\$5,949.00	1 ea	\$ 5,949.00
ESTIMATED OUTBOUND FREIGHT CHARGES - HOTSHOT Shipping Charges are ESTIMATED at Time of Quotation and May be Higher at Time of Shipping. ACTUAL SHIPPING CHARGE will be Finalized at Time of Shipment. Any Difference will be added to Final Invoice.	\$1,595.00	1 ea	\$ 1,595.00
THIS IS A HOTSHOT FREIGHT DELIVERY * YOU MUST HAVE PROPER EQUIPMENT TO SAFELY REMOVE THE GENERATOR FROM THE DELIVERY VEHICLE OR TRAILER AT THE TIME OF ARRIVAL.			
WARRANTY KUBOTA KUBOTA ENGINE WARRANTY 3 YEARS / 3,000 HOURS CONTACT SALES CONSULTANT FOR MORE DETAILS	\$0.00	1 hr	\$ 0.00

Powerhouse Diesel Generators

1616 JAMES P RODGERS DR
 VALDOSTA, GA 31601-7094
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 WWW.PDGPPOWER.COM



Estimate

Order #	Date
S15440	10/02/2024

Description	Unit Price	Qty Ordered	Total Price
PDG EXTRANEIOUS COMPONENTS WARRANTY PDG Industrial - Extraneous Components Warranty PDG warrants the following components for a period of one year from date of delivery to original owner: Enclosures, Fuel Tanks, Meters & Gauges, Timers, Block Heaters, and Auto-Controllers. This warranty is handled by Powerhouse Diesel Generators LEAD TIME ESTIMATES ARE CALCULATED TO PROJECT BUILD TIME AND APPROXIMATE SHIP DATE. LEAD TIMES DO NOT INCLUDE TRANSIT/DELIVERY TIME. LEAD TIME STARTS UPON RECEIPT OF PAYMENT. Lead time estimates are not guaranteed, and are sometimes at the mercy of our supply chain as well as circumstances beyond our control. Feel free to contact us for a more accurate assessment of production time. -Quotes Are Valid For 30 Days- 13 - 15 WEEKS ESTIMATED PRODUCTION LEAD TIME.	\$0.00	1 hr	\$ 0.00
COVID STATEMENT We have all seen many changes in the status of the coronavirus situation in the past months, weeks, and days. Even though the outbreak is abating, it can and does occasionally have an impact on our supply chains and shipping. PDG, Inc, however, will do everything possible to meet the estimated completion times for your generator. PDG, Inc will continue to communicate regularly with our suppliers and shippers, to closely monitor all developments and keep you informed of any changes that may impact the delivery of our products. Please understand that problems and delays with supply, production, or shipping related to COVID are beyond our control. Thank you for your patience in these trying times. The Staff of Powerhouse Diesel Generators, Inc.	\$0.00	1 hr	\$ 0.00
TERMS: A 50% deposit is required to begin processing your order. Balance is Due 7 Business Days Before Shipping.	\$0.00	1 ea	\$ 0.00

Powerhouse Diesel Generators

1616 JAMES P RODGERS DR
VALDOSTA, GA 31601-7094
PHONE: (229)-671-9171
WWW.PDGPPOWER.COM



Estimate

Order #	Date
S15440	10/02/2024

Subtotal:	\$27,830.99
AVATAX:	\$0.00
Total:	\$27,830.99
Paid:	\$0.00
Balance Due:	\$27,830.99

RECEIPT OF YOUR PAYMENT CONSTITUTES ACCEPTANCE OF THE ITEMS, SPECIFICATIONS, AND TERMS AS DESCRIBED ON THIS INVOICE. PDG, Inc. does not offer refunds on custom CAD design fees, custom fabrication, powder coating, or custom items that are requested by th
Approval: _____ Date: _____



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: CWF Submitted by: Chelsey Little

Item/Project Cost: \$37,800 Date Prepared: 10/28/2024

Item/Project Title: Pump Station Generator Replacement

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$37,800**, or any other amount, for the purpose of **replacing a pump station generator**, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

45 kW 3-Phase Generator:.....	\$25,000
Electrical Contractor:.....	\$6,000
Site Work/Demolition:.....	\$5,000
Contingency 5%:.....	\$1,800
Total:.....	\$37,800

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

The CWF will oversee procurement and execution of the project.

Why is it essential that the Town makes this investment now?

As part of the planned continuation of the nine (9) pump station generator replacements, this generator serves the Lake Pleasant Rd pump station in Lake Pleasant and is circa 1981. The current generator at this station was originally a portable generator that was made semi-permanent due to a previously failed stationary generator.

An inspection performed by the service technician, PowerGen Technologies LLC, has recommended replacement as parts on the 1981 generators have become obsolete and cannot be replaced if the generators fail. DEP/MGL also requires operable and serviceable generators at all wastewater pumping stations in order to prevent a backup and discharge of untreated sewage during power outages.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important



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Comments and additional information:

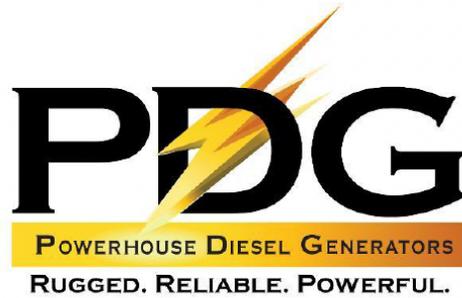
Request to fund through retained earnings.

Supporting Photos/Diagrams/Documents

Quotation

Powerhouse Diesel Generators

1616 JAMES P RODGERS DR
 VALDOSTA, GA 31601-7094
 PHONE: (229)-671-9171
 WWW.PDGPPOWER.COM



Estimate

Order #	Date
S15439	10/02/2024

Bill To:
POWERGEN TECHNOLOGIES 44 Hopyard Rd Stafford Springs, CT 06076

Ship To:
POWERGEN TECHNOLOGIES 44 Hopyard Rd Stafford Springs, CT 06076

Customer: POWERGEN TECHNOLOGIES

Contact: POWERGEN TECHNOLOGIES

Sales Rep	Carrier	Ship Service	Estimated Tax
Elias Serrano	DELIVER		\$ 0.00

Description	Unit Price	Qty Ordered	Total Price
45 KW 3 PHASE OPEN FRAME GENERATOR - EPA CERTIFIED FOR EMERGENCY STANDBY USE PERKINS 1104D-44TG1 Turbo Diesel Engine - Remote Oil Drain Valve Installed with Hose - CK-4 Spec 15-40 Diesel Oil & 50/50 Engine Coolant Included - 1000 Amp Marine Grade Starting Battery - Residential Grade Aluminized Automotive Muffler - Assembled, Wired, & Mounted on a Steel Skid with Anti-Vibration Motor Mounts - Low Oil Pressure & High Coolant Temp Shutdowns are Standard	\$14,489.00	1 ea	\$ 14,489.00
THREE PHASE - 208 VOLT	\$0.00	1 ea	\$ 0.00
MAIN DISCONNECT BREAKER - 150 Amp 3 Pole 208 Volt NEMA 1	\$935.50	1 ea	\$ 935.50
ComAP AMF5	\$495.00	1 ea	\$ 495.00
REMOTE EMERGENCY STOP BUTTON	\$39.99	1 ea	\$ 39.99
COLD WEATHER PACKAGE 12V 750W - STATIONARY Includes: •ComAp 12V Battery IntelliCharger •Block Heater 750W •20A GFCI Receptacle w/ Nema 3R Cover	\$648.00	1 ea	\$ 648.00
ENCLOSURE - LEVEL 1 ACOUSTIC - Industrial Grade Powder Coated Aluminum Enclosure with Steel Skid - UL-94, MVSS 302, & HF-1 Certified, Foil Backed, Level 1 Sound Attenuating Acoustic Foam Installed. - Large Access Doors with Locks for Security and Ease of Maintenance - All Stainless Steel Latches and Hardware - Includes Locking Door for Key Start or Auto Controller	\$3,489.00	1 ea	\$ 3,489.00

A2

Powerhouse Diesel Generators

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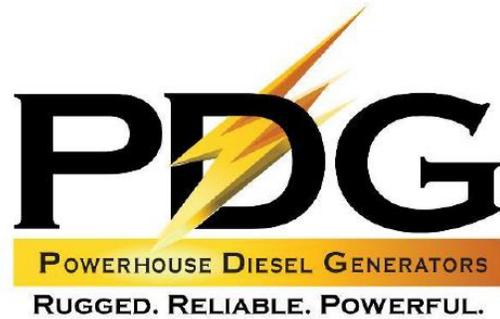
Estimate

Order #	Date
S15439	10/02/2024

Description	Unit Price	Qty Ordered	Total Price
RODENT GUARD PACKAGE • Safeguards Generator from Entry and Damage by Rodents, Snakes, and Birds • Protects Intake & Exhaust Ports, Fork Pockets, and Any Points of Entry in the Enclosure or Skid	\$219.00	1 ea	\$ 219.00
FUEL TANK - 50 GALLON DOUBLE WALL Powder Coated 11 Gauge Steel Reinforced with Internal Structural Supports & Baffles Forged UL Compliant Fittings	\$2,389.00	1 ea	\$ 2,389.00
ESTIMATED OUTBOUND FREIGHT CHARGES - HOTSHOT Shipping Charges are ESTIMATED at Time of Quotation and May be Higher at Time of Shipping. ACTUAL SHIPPING CHARGE will be Finalized at Time of Shipment. Any Difference will be added to Final Invoice. THIS IS A HOTSHOT FREIGHT DELIVERY * YOU MUST HAVE PROPER EQUIPMENT TO SAFELY REMOVE THE GENERATOR FROM THE DELIVERY VEHICLE OR TRAILER AT THE TIME OF ARRIVAL. DEDICATED HOT SHOT DELIVERY	\$1,395.00	1 ea	\$ 1,395.00
PERKINS ENGINE WARRANTY - STANDBY PERKINS STANDBY ENGINE WARRANTY 3 YEARS UP TO 500 HOURS PER YEAR CONTACT SALES CONSULTANT FOR MORE DETAILS	\$0.00	1 ea	\$ 0.00
PDG EXTRANEIOUS COMPONENTS WARRANTY PDG Industrial - Extraneous Components Warranty PDG warrants the following components for a period of one year from date of delivery to original owner: Enclosures, Fuel Tanks, Meters & Gauges, Timers, Block Heaters, and Auto-Controllers. This warranty is handled by Powerhouse Diesel Generators	\$0.00	1 hr	\$ 0.00

Powerhouse Diesel Generators

1616 JAMES P RODGERS DR
 VALDOSTA, GA 31601-7094
 PHONE: (229)-671-9171
 WWW.PDGPPOWER.COM



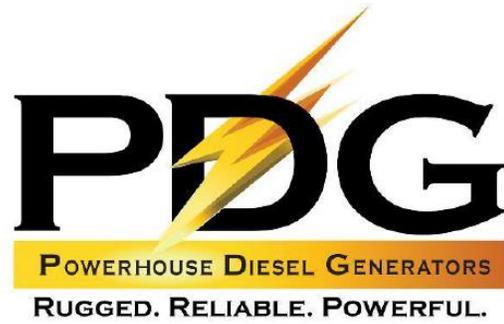
Estimate

Order #	Date
S15439	10/02/2024

Description	Unit Price	Qty Ordered	Total Price
<p>LEAD TIME ESTIMATES ARE CALCULATED TO PROJECT BUILD TIME AND APPROXIMATE SHIP DATE. LEAD TIMES DO NOT INCLUDE TRANSIT/DELIVERY TIME. LEAD TIME STARTS UPON RECEIPT OF PAYMENT.</p> <p>Lead time estimates are not guaranteed, and are sometimes at the mercy of our supply chain as well as circumstances beyond our control. Feel free to contact us for a more accurate assessment of production time.</p> <p>-Quotes Are Valid For 30 Days-</p> <p>12 - 14 WEEKS ESTIMATED PRODUCTION LEAD TIME.</p> <p>COVID STATEMENT</p> <p>We have all seen many changes in the status of the coronavirus situation in the past months, weeks, and days. Even though the outbreak is abating, it can and does occasionally have an impact on our supply chains and shipping. PDG, Inc, however, will do everything possible to meet the estimated completion times for your generator.</p> <p>PDG, Inc will continue to communicate regularly with our suppliers and shippers, to closely monitor all developments and keep you informed of any changes that may impact the delivery of our products.</p> <p>Please understand that problems and delays with supply, production, or shipping related to COVID are beyond our control.</p> <p>Thank you for your patience in these trying times.</p> <p>The Staff of Powerhouse Diesel Generators, Inc.</p>	\$0.00	1 hr	\$ 0.00
TERMS: A 50% deposit is required to begin processing your order. Balance is Due 7 Business Days Before Shipping.	\$0.00	1 ea	\$ 0.00

Powerhouse Diesel Generators

1616 JAMES P RODGERS DR
VALDOSTA, GA 31601-7094
PHONE: (229)-671-9171
WWW.PDGPPOWER.COM



Estimate

Order #	Date
S15439	10/02/2024

Subtotal:	\$24,099.49
AVATAX:	\$0.00
Total:	\$24,099.49
Paid:	\$0.00
Balance Due:	\$24,099.49

RECEIPT OF YOUR PAYMENT CONSTITUTES ACCEPTANCE OF THE ITEMS, SPECIFICATIONS, AND TERMS AS DESCRIBED ON THIS INVOICE. . PDG, Inc. does not offer refunds on custom CAD design fees, custom fabrication, powder coating, or custom items that are requested by th
Approval: _____ Date: _____



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

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Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: CWF Submitted by: Chelsey Little

Item/Project Cost: \$104,000 Date Prepared: 10/28/2024

Item/Project Title: Thickened Sludge Pumps Replacement x2

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$104,000**, or any other amount, for the purpose of **replacing two (2) thickened sludge pumps** including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

(2) Thickened Sludge Pumps/Rotary Press Feed Pumps (20-100GPM):... \$81,045 → rounded up to \$82,000

-includes: sensors, gauges, pressure switches, start-up/training, transportation,
and recommended spare parts

Stainless Steel Piping and Main Headers Replacement:.....\$10,000

Updated Controls:\$7,000

Contingency 5%:.....\$4902.25 → rounded up to \$5,000

Total:.....\$104,000

Scoping Questions

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work? Yes No

If yes, attach the estimate

Is there a lease option for this expense? Yes No

Will this item or project replace a capital asset?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Will this create ongoing costs or savings?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will this leverage grant or other external funding?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is this request identified on the Capital Improvement Plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

The CWF will oversee procurement and execution of the project.

Why is it essential that the Town makes this investment now?

The CWF has historically utilized three (3) thickened sludge pumps to pump sludge from the gravity thickener and two (2) sludge holding tanks to feed liquid sludge to the press for dewatering, and/or feed liquid sludge to a 9,000-gallon tanker for disposal. Since the loss of the papermills, the facility no longer needs to utilize all three (3) pumps, needing only the use of two (2). (Redundancy is required as per MGL)

The old pumps are piston style pumps circa 1981 (drives from 2010) and are an outdated and are an extremely dangerous pump style, having exterior rotating parts which pose a death or serious injury safety risk to staff. (Mentioned in a recent Dept of Labor Standards/OSHA inspection February 2024.) This old-style pump also requires higher level of maintenance requirements as opposed to several other pump styles due to its wear parts. The typical life expectancy of a piston pump is 10-20 years, depending on how well it has been maintained and how many hours in operation.

The update will replace two (2) of the pumps with an appropriate pump style, replace some of the deteriorated piping on both the inlet and discharge sides of the pump with stainless steel, and update controls. CWF staff will procure the equipment and perform the demolition and installation of the pumps in-house. The third pump will be completely removed from service and disposed of as per Town Policy/MGL.

If the pumps are not replaced, they face imminent failure, which would prevent the facility from removing sludge/solids, which will in turn cause a significant non-compliance with permitted solids removal requirements with EPA/MA DEP.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance



Highly Important



Moderately Important



Comments and additional information:

Request to fund through retained earnings.

Supporting Photos/Diagrams/Documents

Current Piston Pumps



Quote for Diaphragm Pump Style Replacement (more expensive type of pump for application)



The World Leader in Free-Disc Pumping Technology



To: Town of Montague, MA	Date: 09/05/2024	Quote No: 24137 Budget
	Project: Montague, MA WWTP	
	Quoted by: Preston Campbell	

Qty	Description	Unit Price	Total Price
	Application: Rotary Press Feed Pump, ~ 2 – 5% solids		
	Duty: 20 – 100GPM @ 10 – 15ft TDH		
	Suction: Flooded on 6" line, approximately 200ft long		
	Discharge: 6" line, 20ft vertical static		
2	6" Model 6DDSX76CNU-MK2 Penn Valley Double Disc Pump™ unit: <ul style="list-style-type: none"> • 6" ASA/ANSI 150# flanged suction and discharge connections • Cast iron housing and neoprene elastomers • Maintain-in-place hinged housing design for ease of maintenance • Two-piece swan neck design with full port rigid check valve • 7.5HP, 1160RPM 230-460/3/60 Severe duty, inverter ready motor • 140RPM Nominal pump speed achieved with V-belt and pulley drive • Suction and Discharge pulsation dampeners • 304SS Welded base with OSHA approved guards and covers • Pump and dampeners coated with industrial primer and topcoat • Per drawing PVD769 Side motor mount 	\$34,950.00	\$69,900.00
2	Model PVP420V Suction vacuum sensor and gauge assembly consisting of: 1" NPT SS316 sensor with EPDM sleeve and 4" (30" Hg-30psi) SS gauge. Mounts to top of dampener to provide indication of line pressure.	\$760.00	\$1,520.00
2	Model PVP420PS Discharge pressure switch assembly consisting of: 1" NPT SS316 sensor w/ EPDM sleeve, NEMA 4X adjustable switch and 4" (0-100psi) SS gauge. Mounts to top of dampener to protect against over pressurization. (Must be wired to pump controls.)	\$1,405.00	\$2,810.00
2	Days of start-up and training services (one-trip), provided by NE3	\$1,300.00	\$2,600.00
1	Estimated transport to site. Estimated weight of shipment is 4,000lbs.	\$725.00	\$725.00
	Optional:		
1	Set of recommended spare parts to include: two (2) discs, two (2) trunnions, one (1) check valve and one (1) set of gaskets	\$3,490.00	\$3,490.00

Commercial Information:

1. Shipment is 12 - 14 weeks after receipt of purchase order or approved submittals.
2. Submittals, if required, are 2 – 3 weeks after receipt of purchase order.
3. Freight terms are F.O.B. Factory, Warrington, PA with freight allowed to jobsite.
4. Terms are Net 30 days after receipt of invoice.
5. Quotation is valid for 60 days from date of issue.
6. Warranty is two (2) years from date of shipment for manufacturer's defects in materials and workmanship.

The following items have not been included:

- Installation
- Foundations, anchor bolts, grouting and foundation design
- Motor starters, Variable Frequency Drives (VFD's) or Controls



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: DPW / Selectboard Submitted by: Chris Nolan-Zeller, Asst. Town Admin.

Item/Project Cost: \$ 3,000,000 Date Prepared: 10/31/2024

Item/Project Title: Phase 2 – Sewer Collection System Rehabilitation

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$3,000,000**, or any other amount, for the purpose of Priority 1 and Priority 2 work identified in the Town’s Long-Term Control Plan (LTCP), updated in 2022, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

As part of the Town’s combined sewer overflow (CSO) LTCP update, the Town contracted with the engineering firm Wright-Pierce to develop short and long-term implementation plans for improving the maintenance, operation, and condition of its wastewater collection system. The requested funding is needed to complete the work that has been designated as either Priority 1 or Priority 2 in need of completion. Completing this work within a 10-year period is a condition of the Town’s National Pollutant Discharge Elimination System (NPDES) permit, meaning that implementing this rehabilitation is the Town’s legal obligation.

This work includes the rehabilitation of 15 pipes (4,867 linear ft.) in Turners Falls, as well as 22 pipes (4,592 linear ft.) in Millers Falls, in addition to the rehabilitation of 74 manholes in Millers Falls. Phase 2 is a continuation of the ongoing Phase 1, which is expected to be completed by Spring 2025, and includes the rehabilitation of 53 manholes. Phase 1 has been funded through a \$500,000 Rural / Small Town Development Grant from the state.

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

The Town will contract for engineering services. Construction to be procured through bidding process in accordance with MGL c.30 §39M. Initial procurement to be managed by Assistant Town Administrator, with ongoing oversight of contractor to be handled by Public Works Superintendent.

Why is it essential that the Town makes this investment now?

Make your argument for why this project is necessary and timely. Articulate the benefits of the project. If necessary, describe the consequences of inaction.

The Town is obligated under its NPDES permit to implement the repairs identified in the LTCP. The work identified by the project engineer as being Priority 1 or 2 is essential to the continued functionality of the Town's wastewater collection system, of which much of the current infrastructure is 75-100 years old. Currently, several areas of excessive inflow and infiltration lead to undue strain on operations by increasing the overall volume of water in the system. Especially during heavy rainfall events, this also increases the likelihood of CSO discharges, which are an environmental and health hazard, and can further expose the Town to liability for noncompliance with its NPDES permit.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

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Comments and additional information:

October 7, 2024

Mr. Walter Ramsey, Town Administrator
Town of Montague
1 Avenue A
Montague, MA 01376

**SUBJECT: Town of Montague, MA – Proposal for Professional Engineering Services
Phase 2 Sewer and Manhole Rehabilitation Project**

Dear Walter,

Wright-Pierce has previously conducted two studies of the sewer collection system and provided the following two deliverables to the Town of Montague to summarize the field investigation work and to provide rehabilitation recommendations with a planning level opinion of probable construction cost. The rehabilitation recommendations of sewer manholes and sewer pipes address structural defects and potential sources of infiltration and inflow (I/I) to the Town’s collection system.

1. Turners Falls, Lake Pleasant, and Montague Center Wastewater Collection Study, dated March 3, 2023
2. Millers Falls Wastewater Collection System Study, dated April 14, 2023

The Town of Montague has requested that Wright-Pierce submit a proposed scope and fee to provide design, bidding, and construction administration services to implement the following Priority 1 and Priority 2 recommended rehabilitation in both Turners Falls and Millers Falls. The 51 Priority 1 manholes identified in Turner Falls areas are not included in this Project because they are separately being rehabilitated under the Phase 1 Sewer and Manhole Rehabilitation Project going out to bid in Fall 2024/Winter 2025 and constructed in Spring 2025.

Location	Priority	# of Manholes	# of Pipes	LF of Pipe
Turner Falls	1	51*	11	3,613
Turner Falls	2	0	4	1,254
Millers Falls	1	42	18	3,996
Millers Falls	2	32	4	596
Total	--	74	37	9,459

*Not included in this project.

10/7/2024

Mr. Walter Ramsey, Town Administrator

Page 2 of 5

The Town of Montague has also requested Wright-Pierce to update the planning level opinion of probable construction cost provided in the two deliverables indicated above separate from this proposal. Our proposed scope and budget for engineering services are presented below.

Proposed Scope of Work

Task 1 – Design

Scope of work under this task will include:

1. Wright-Pierce will perform project administration tasks including communicating with the Town, tracking budget and schedule, and preparing and submitting monthly invoices.
2. Wright-Pierce will prepare for and attend an in-person kick-off meeting, with the Town's and Wright-Pierce's project team members. At the kick-off meeting, Wright-Pierce will establish schedules for deliverables and communication protocols.
3. Wright-Pierce will develop a 75 percent submittal that includes bid document/specifications with GIS-based drawings and an opinion of probable construction cost. The front-end specifications will be based on EJCDC 2018 edition. Technical specifications will be prepared using the CSI 16 Division format. The location of the manholes will be shown on GIS-based 11"x17" figures.
 - a. The Bid/Contract documents will be prepared in accordance with MGL Chapter 30, 39M governing public works projects in the Commonwealth of Massachusetts.
 - b. Wright-Pierce will submit an electronic copy (PDF) of the bid document/specifications to the Town and meet with the Town to discuss review comments.
4. Wright-Pierce will address the Town's comments on the 75 percent bid document/specifications within 15 business days of receiving the Town's comments. Wright-Pierce will prepare and submit two hard copies and an electronic version of the 100 percent bid documents/specifications and an opinion of probable construction cost.

Task 2 – Bidding Assistance

Scope of work under this task will include:

1. Coordinate bidding through the Wright-Pierce bidding platform. The Town shall be responsible for all advertising costs.
2. Respond to bidders' questions.
3. Prepare and distribute up to two addenda to the bid documents.
4. Attend in-person bid opening for the construction contract.
5. Review all bids and prepare bid tabulation.
6. Review the qualifications of the apparent low bidder(s) and compliance with other contract requirements. Report on the results of the reviews and issue a bid summary to the Town.
7. The length of the Bidding Phase is assumed to be approximately 60 days. The length of the Bid Period from Advertisement to Bid Opening is assumed to be approximately 21 days.

10/7/2024

Mr. Walter Ramsey, Town Administrator

Page 3 of 5

Task 3 – Construction Administration

Scope of work under this task will include:

1. Project Administration and Management
 - a. Perform project administration and management tasks including communications with Town, tracking budget and schedule, and preparing and submitting monthly invoices.
2. Prepare for and attend up to three monthly progress meetings and one preconstruction meeting, with Town, Contractor, and Wright-Pierce's project team members. Progress meetings will include a report on budget, schedule updates, and review of technical aspects. Prepare and distribute minutes of the meetings.
3. Consult with and advise Town and act as Town's representative as provided in the Standard General Conditions and Supplementary Conditions of the Construction Contract. The extent and limitations of the duties, responsibilities, and authority of engineer as assigned in said Standard General Conditions shall not be modified, except as engineer may otherwise agree to in writing. The Town's instructions to Contractor will be issued through Wright-Pierce, who shall have authority to act on behalf of Town in dealings with Contractor to the extent provided in this Agreement and said Standard General and Supplementary Conditions except as otherwise provided in writing.
4. Review shop drawings, diagrams, illustrations, schedules, the results of tests and inspections, which the Contractor is required to submit to demonstrate conformance with the construction Contract Documents. Reject any materials, or other items which do not meet minimum requirements. Review warranties and manufacturers' information for products and materials supplied for the project.
5. Review Town's and/or Contractor's requests for materials substitution for items specified in the Contract Documents.
6. Make visits to the site at appropriate intervals to observe the progress of the construction work. Prepare reports of findings, as necessary.
7. Review field test reports, including those submitted by the Contractor's Independent Testing Laboratory. Attend field tests, as necessary.
8. Review Contractors' draft and final requests for payment and estimate amounts to be paid. Process the final request for payment. It is assumed that four payment requests will be processed for this project.
9. Review and negotiate changes in the scope of work, price, and/or completion time. Prepare change orders which may become necessary due to factors discovered during the progress of the work. Review and provide clarifications and interpretations of the Contract Documents.
10. Monitor work progress for conformance with established schedules and budget.
11. Prepare punch list of uncompleted or unacceptable work.
12. Conduct a Substantial Completion inspection and prepare a Certificate of Substantial Completion.
13. Provide an electronic copy in PDF format showing those deviations from the original drawings during the Construction Phase based on marked-up prints, figures, and other data furnished by the Contractor to Wright-Pierce and that Wright-Pierce considers significant.

10/7/2024

Mr. Walter Ramsey, Town Administrator

Page 4 of 5

Task 4 – Resident Project Representative

Scope of work under this task will include:

1. Coordinate and provide a Resident Project Representative (RPR) to represent the Town and Wright-Pierce in the field during construction. The assigned RPR will have an active NASSCO Inspector Training Certification Program (ITCP) Cured-in-Place-Pipe (CIPP) certification in observing progress and quality of the Work. Wright-Pierce anticipates the contractor will be onsite for 90 calendar days (13 weeks) to perform the work. Wright-Pierce shall provide a full-time RPR for up to 585 hours based on 9 hours per day for 65 workdays.

Items Not Included in Proposed Scope of Services and Assumptions

1. A pre-bid conference will not be held.
2. All materials testing specified will be included in the General Contractor's bid.
3. Requirements for meeting M/WBE goals for engineering services.
4. Permits are not anticipated due to the no-dig nature of the work. It is also assumed that the Town will obtain an exemption from its Conservation Commission for a Notice-of-Intent (NOI) because this work is sewer maintenance related and mostly trenchless.
5. Development of permit applications and payment of applicable fees.
6. Topographical and utility location survey; wetland delineation; and subsurface investigation (i.e., borings, probes, etc.) of the project area.
7. Post-construction services.
8. The design will be based on the NASSCO MACP and PACP coding from the field investigation work in 2022. No additional inspections will be performed.
9. Unless otherwise indicated, construction phase services assume a construction timeline of 120 calendar days (17 weeks) from the Notice to Proceed to substantial completion and another 30 calendar days (4 weeks) to final completion.

Proposed Fee

We propose to provide the scope of services described above based on a time charge basis with a not-to-exceed fee of \$257,900, including labor and reimbursable expenses, for Tasks 1 through 4. Should additional services be required, we will not exceed this fee without written authorization.

10/7/2024

Mr. Walter Ramsey, Town Administrator

Page 5 of 5

Task	Labor	Reimbursable Expenses	Fee
Task 1 – Design	\$69,600	\$700	\$70,300
Task 2 – Bidding	\$13,900	\$600	\$14,500
Task 3 – Construction Administration	\$84,500	\$1,100	\$85,600
Task 4 – Resident Project Representative	\$75,800	\$11,700	\$87,500
Total	\$243,800	\$14,100	\$257,900

If the proposed scope and fee is acceptable, Wright-Pierce will prepare a Task Order under our existing on-call Agreement. We appreciate being considered for this assignment and look forward to working with you and your staff.

Sincerely,

WRIGHT-PIERCE



Lisa M. Muscanell-DePaola, PE
Project Manager

lisa.muscanell@wright-pierce.com



Christopher N. Pierce, PE
Senior Vice President

chris.pierce@wright-pierce.com

Chris Nolan

From: Lisa Muscanell <lisa.muscanell@wright-pierce.com>
Sent: Wednesday, October 9, 2024 3:48 PM
To: Walter Ramsey
Cc: Chris Nolan; Michael Stein
Subject: RE: Phase 2 Sewer and Mahole Rehabilitation
Attachments: Phase2SewerRehab_DesignCA_ProposalLetter_v2.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Walter,

Attached is the scope and fee proposal letter that you requested by mid-October to assist with budgeting and planning for the Annual Town Meeting in May 2025.

Regards,

Lisa

Lisa M. Muscanell-DePaola, PE (she/her)
Wright-Pierce | Lead Project Engineer | Project Manager
direct 860.852.1912 | office 860.343.8297



From: Lisa Muscanell
Sent: Tuesday, September 17, 2024 6:15 PM
To: Walter Ramsey <WalterR@montague-ma.gov>
Cc: Chris Nolan <ChrisN@montague-ma.gov>
Subject: Phase 2 Sewer and Mahole Rehabilitation

Walter,

We are having our Vice President QAQC the scope and fee proposal letter for our technical services, however, I wanted to let you know that our budgetary, planning level (10% design) opinion of probable construction cost (including contingencies, technical services (design, construction, inspection etc.), construction contract etc.) is \$2.5Million.

This uses a 25% construction contingency right now and 30% engineering and administrative fees.

If you think this could still pass at \$3M, you may want to use that number especially if this will take a few years to get out to bid and constructed.

Lisa

Lisa M. Muscanell-DePaola, PE (she/her)

Wright-Pierce | Lead Project Engineer | Project Manager
direct 860.852.1912 | **office** 860.343.8297





Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: DPW Submitted by: Sam Urkiel

Item/Project Cost: \$365,000 Date Prepared: October 31, 2024

Item/Project Title: 10 Wheel Dump Truck

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$365,000** or any other amount, for the purpose of a 10 wheeled dump truck with wing plow and spreader, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

The truck will be used year-round for highway maintenance including clearing winter roads and hauling construction materials to and from job sites.

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Purchased by DPW, no external oversight needed.

Why is it essential that the Town makes this investment now?

Purchase will replace an aging 2003 International 7400 with wing plow and spreader. The truck has undergone significant repairs including replacement of the dump body in 2017. This replacement request follows the capital improvement plan of 20 years for a large dump truck.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

Comments and additional information:



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: DPW Submitted by: Sam Urkiel

Item/Project Cost: \$325,000 Date Prepared: October 31, 2024

Item/Project Title: Large Dump Truck

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$325,000** or any other amount, for the purpose of a large dump truck with spreader, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

The truck will be used year-round for highway maintenance including clearing winter roads and hauling construction materials to and from job sites.

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Purchased by DPW, no external oversight needed.

Why is it essential that the Town makes this investment now?

Purchase will replace an aging 2002 International 4900 with spreader. This replacement request follows the capital improvement plan of 20 years for a large dump truck.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

Comments and additional information:



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: DPW Submitted by: Sam Urkiel

Item/Project Cost: \$70,000 Date Prepared: October 31, 2024

Item/Project Title: Sewer CCTV Van

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$70,000** or any other amount, for the purpose of a Sewer CCTV Van, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

The Van will be used for transportation to and from sewer infrastructure around town with CCTV equipment used to inspect the system for condition reports.

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Purchased by DPW, no external oversight needed.

Why is it essential that the Town makes this investment now?

Purchase will replace a 2001 Ford E450. This replacement request follows the capital improvement plan of 12 years for a truck.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

Comments and additional information:



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: DPW Submitted by: Sam Urkiel

Item/Project Cost: \$65,000 Date Prepared: October 31, 2024

Item/Project Title: Ford F-150 Pickup

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$65,000** or any other amount, for the purpose of a Ford F-150 Pickup, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

The truck will be used for transportation to and from town buildings with cleaning supplies and equipment. Will also assist with moving of furniture and goods.

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Purchased by DPW, no external oversight needed.

Why is it essential that the Town makes this investment now?

Purchase will replace an aging 2007 F-150 pickup. This replacement request follows the capital improvement plan of 12 years for a truck.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

Comments and additional information:



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: DPW Submitted by: Sam Urkiel

Item/Project Cost: \$60,000 Date Prepared: October 31, 2024

Item/Project Title: Oakman St and Country Club Ln Storm Drain Washout Repair Engineering

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$60,000** or any other amount, for the purpose of Engineering a method of repair to washouts located on Oakman St and Country Club Ln, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

The slope below storm drainage has begun to washout significantly. Lots of downhill erosion has occurred.

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?
If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Engineering work to be done by others with anticipated repairs in house by DPW.

Why is it essential that the Town makes this investment now?

If delayed the area of repair could become much larger and include roadway damage or closure. Efforts should be made to reduce the amount of sediment loss to downhill waterways.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

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Comments and additional information:



Stantec Consulting Services Inc.
5 Dartmouth Drive Suite 200, Auburn NH 03032-3984

January 15, 2024
File: 195189006

Attention: Mr. Walter Ramsey,
Town Assistant Administrator
Turners Falls Town Office
1 Avenue A
Turners Falls, MA 01376

Dear Ramsey,

Reference: Oakman Street and Country Club Lane Storm Drain Outfall Repairs

Per your request, we are submitting for your review and approval a proposed scope and fee for to perform preliminary engineering services for the storm drain outfall repair at the corner of Oakman Street and Country Club Lane and for the slope failure at the storm drain outlet to the west of 118 Country Club Lane. A map of the approximate outfall locations is provided as Attachment 'A'. Based on our review of the current outfall and slope failure(s) conditions and our understanding that the Town anticipates performing the repairs for these outfalls, we have developed a preliminary scope of engineering services for the design of repairs to these outfalls to include the following:

Preliminary Engineering:

- Coordinate with existing property owners to obtain access for preliminary engineering.
- Perform wetlands delineation, wetlands flagging, natural resource assessment and develop an associated wetlands and natural resources report in anticipation of permitting for the project limits described in Attachment 'A'.
- Perform a topographic and physical conditions survey for the project limits described in Attachment 'A'. It should be noted that the limits of wetland delineation and survey extend for the entire limits from the golf course and between the two slope failure locations to determine a feasible point of access to minimize existing clearing, disturbance and associated necessary grading for access to perform the two outfall repairs.
- Perform 1-boring to a depth of 55-feet (or refusal) and 1-boring to a depth of 25-feet (or refusal) (assumes two days of borings) to perform a subsurface assessment of the existing soils in proximity to the Oakman Street outfall failure.
- Collect three (3) 5-gallon soil samples at the locations of the existing slope and outfall failures and perform sieve analysis testing on the samples in conformance with ASTM C136.
- Summarize the results of the subsurface investigation, including the borings performed in the field and soil sample analysis in a Geotechnical memorandum summary for the project for the project

Reference: Oakman Street and Country Club Lane Storm Drain Outfall Repairs

site(s) to be utilized as the basis of design for the design of the slope reinforcement and scout abatement measures.

- Perform an inspection of the existing drainage structures (two catch basins) and culverts (two culverts) to confirm whether rehabilitation of the existing drainage infrastructure is required as part of the project.
- Develop and analyze a stormwater model for the two outfalls to determine the required culvert size(s), stormwater outfall conditions and design scour abatement measures for the culvert outfalls.
- Perform scour abatement analysis in accordance with the application HEC-RAS standards in conformance with MADEP and MassDOT standards and requirements.
- Create a Hydraulic and Hydrologic and Scour Abatement report in anticipation of the required MADEP wetlands permitting for the proposed improvements.

Preliminary Design:

- Create an AutoCAD base plan for the project limits that will be the basis of the proposed improvements.
- Create site plan sheets with the recommended corrective actions, proposed grading and associated limits of disturbance (Assumes 3 plan sheets)
- Create Construction Details for the recommended corrective action and associated erosion control measures in anticipation of permitting (Assumes 2 plan sheets)
- Prepare two preliminary opinions of probable construction costs based on the town bidding and performing the rehabilitation for the project.
- Submit to the Town draft plans, recommendation letter, cost estimates and reports for review and comment.
- Determine appropriate point of access to perform repairs.
- Coordinate with property owners and obtain right of entry agreements, in anticipation of performing construction in 2024.

Depending on the determined scope of recommended repairs, the Town's review of the submitted plans and reports and determination as to whether the Town would like to proceed with public bidding the required repairs or performing the associated repairs with the DPW forces, Stantec can develop a scope, level of effort and associated fee to perform MADEP wetlands dredge and fill permitting for construction, obtain formal access easement for future system maintenance (if required) and to develop contract documents (plans and specification) for construction, if it is desired by the Town to publicly bid the proposed improvements. .

We anticipate that the project survey and wetlands delineation can be completed in March 2024, weather permitting, and we can complete the remaining scope of engineering services described here-in and provide a rehabilitation recommendation, draft plans, and associated reports to the Town by May 2024.

January 15, 2024
Mr. Walter Ramsey,
Page 3 of 3

Reference: **Oakman Street and Country Club Lane Storm Drain Outfall Repairs**

Based on the described scope of work and we can perform the preliminary engineering services at a not to exceed costs of **\$51,881** a breakdown of the anticipated level of effort for each item described in the project scope is detailed in Attachment 'B'.

Should you have any questions or require any additional information please feel free to contact us.

Respectfully Submitted,

Stantec Consulting Services, Inc.



Bryan Ruoff, PE

Associate

Phone: 603-206-7548

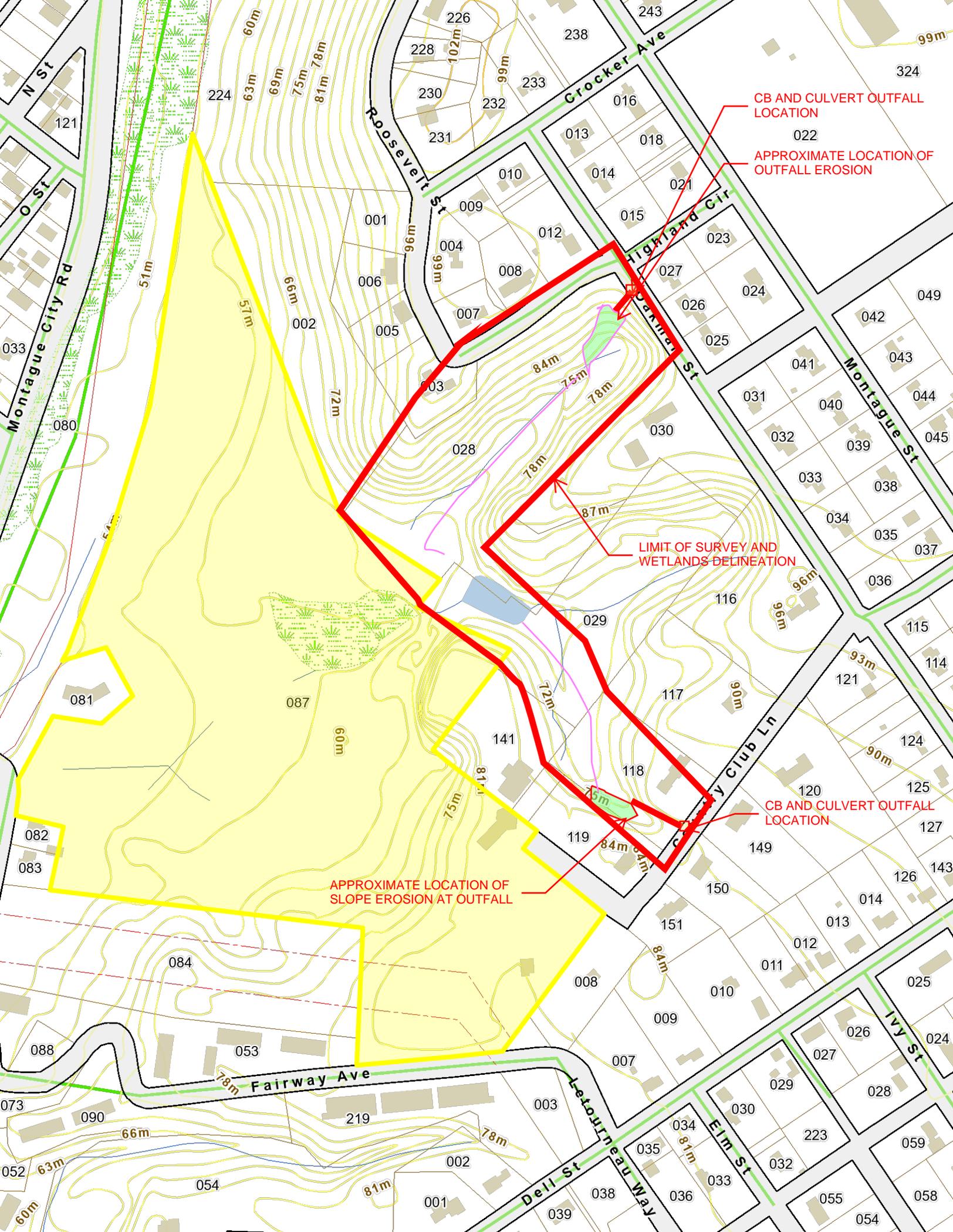
Fax: 603-669-7636

Bryan.Ruoff@stantec.com

Attachment: Level of Effort Summary
c. Tom Bergeron, Town of Montague, MA
Rene LaBranche, Stantec

rb document2

**ATTACHMENT A -
PROJECT LOCATION**



CB AND CULVERT OUTFALL LOCATION

APPROXIMATE LOCATION OF OUTFALL EROSION

LIMIT OF SURVEY AND WETLANDS DELINEATION

CB AND CULVERT OUTFALL LOCATION

APPROXIMATE LOCATION OF SLOPE EROSION AT OUTFALL

**ATTACHMENT B -
LEVEL OF EFFORT SUMMARY**



SUMMARY REPORT

Project Company	Stantec US Business Group
Project Currency	US Dollar
Project Type	Time & Material

Project Number	195189005
Project Name	Oakman St and Country Club Lane Outfall Failures
Client Name	Town of Montague, MA
Business Centre	BC-1951 Water-US Northeast
Project Manager	Bryan Ruoff
Project Technical Lead	Bryan Ruoff

Project Summary	Total Fee
Labour	\$31,624.00
Expense	\$360.36
Subs	\$19,897.50
Total	\$51,881.86

Planned Start Date	Planned End Date
2024-01-21	2024-06-10

Name	Role	Billing Rate	Hours	Sub-Total Fee
LaBranche, Rene	Principal in Charge	\$225.00	3.00	\$675.00
Ruoff, Bryan	PM / PTL	\$181.00	44.00	\$7,964.00
Garner, Cyrus	Geotech	\$150.00	42.00	\$6,300.00
Potter, Seth	Inspector	\$125.00	25.00	\$3,125.00
Butts, Sarah	Engineer	\$120.00	66.00	\$7,920.00
Drescher, Bill	Engineer	\$120.00	47.00	\$5,640.00
			227.00	\$31,624.00

Expense	Billing Rate	Units	Sub-Total Fee
Travel	\$0.64	560.00	\$360.36
			\$360.36

Subs	Billing Rate	Units	Sub-Total Fee
Subconsultants	\$1.05	18,950.00	\$19,897.50
			\$19,897.50



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: DPW Submitted by: Samuel Urkiel

Item/Project Cost: \$200,000 Date Prepared: 11/13/2024

Item/Project Title: Meadow Rd Guardrail

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$200,000** or any other amount, for the purpose of Meadow Rd Guardrail, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

Requesting funds to replace and or make improvements to Guardrail along Meadow Rd and other areas in town. The guardrail is unsafe and wouldn't protect any motorist from harm if needed. The wood posts are rotten, broken and missing in many areas. The height of the guardrail is also inconsistent.

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?
If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

FRCOG procurement, DPW project management.

Why is it essential that the Town makes this investment now?

Make your argument for why this project is necessary and timely. Articulate the benefits of the project. If necessary, describe the consequences of inaction.

To protect the public from additional hazards on town roadways.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

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Comments and additional information:





Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: DPW Submitted by: Chris Nolan-Zeller

Item/Project Cost: \$100,000 Date Prepared: January 9, 2025

Item/Project Title: Equipment and major repairs (Discretionary)

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$100,000**, or any other amount, for the purpose of funding large repairs or the purchase of new or used equipment, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

This recurring fund addresses unforeseen expenses where timeliness is important, it is not possible to secure Town Meeting appropriation, and the magnitude of such costs would quickly exhaust the Finance Committee Reserve fund. Request is for up to \$100,000, but will be reduced to amount needed to replenish fund at level of \$100,000 based on account balance as of March 1, 2025.

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

Purchases will be made and work overseen by the Montague DPW.

Why is it essential that the Town makes this investment now?

Make your argument for why this project is necessary and timely. Articulate the benefits of the project. If necessary, describe the consequences of inaction.

This fund is needed to keep the Department's equipment in running order, and to fund new and replacement equipment as needed.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

XOX

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Comments and additional information:



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: DPW Submitted by: Chris Nolan-Zeller

Item/Project Cost: \$30,000 Date Prepared: January 9, 2025

Item/Project Title: Alley and non-Ch90 road paving

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$30,000**, or any other amount, for the purpose of funding large repairs or the purchase of new or used equipment, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

Funding is needed to support paving various alleys and other rights-of-way not included in the state's Chapter 90 program.

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?
If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

Purchases will be made and work overseen by the Montague DPW.

Why is it essential that the Town makes this investment now?

Make your argument for why this project is necessary and timely. Articulate the benefits of the project. If necessary, describe the consequences of inaction.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

XOX

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Comments and additional information:

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

The library director will manage this project with procurement assistance from town administration. Contractors will gain entry to the building with assistance from the DPW.

Why is it essential that the Town makes this investment now?

Make your argument for why this project is necessary and timely. Articulate the benefits of the project. If necessary, describe the consequences of inaction.

This project was first explored several years ago. Though it was at first designated an FY27 project, town admin agreed to swap this project with the Carnegie roof project, given the likelihood of a major construction project involving that building. Additionally, new flooring was recently installed---it would be prudent to prevent further rain seepage from entering the building and damaging this new flooring.

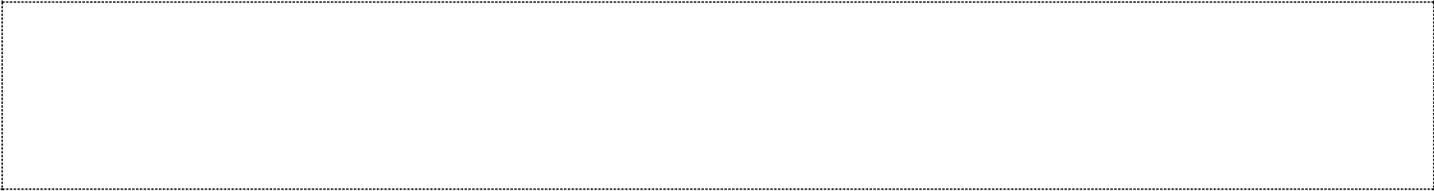
Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

Comments and additional information:





Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

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Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: Parks & Recreation Submitted by: Jon Dobosz, Director

Item/Project Cost: \$125,000 Date Prepared: 10/20/24 (revised 01/09/25)

Item/Project Title: Unity Park Playground Repairs

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of \$125,000* or any other amount, for the purpose of << >>, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

This project will include the replacement of the rubber, pour-in-place (PIP) surfacing as well as the tube slide in the Unity Park playground. The current PIP surface is beyond its useful life and has been cracking and pulling up in numerous areas due to high traffic. There is approximately 2,500 sq. feet of PIP surfacing that must be replaced. A new tube slide will replace the current one that was purchased and installed in 2000 and is also beyond its useful life.

Scoping Questions

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work? Yes No

If yes, attach the estimate

- | | | |
|---|-------------------------------------|-------------------------------------|
| Is there a lease option for this expense? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Will this item or project replace a capital asset? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Will this create ongoing costs or savings? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Will this leverage grant or other external funding? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is this request identified on the Capital Improvement Plan? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

The Parks & Recreation Department will manage procurement and execute the project. The playground equipment vendor will be responsible for design, engineering and installation of both items.

Why is it essential that the Town makes this investment now?

Make your argument for why this project is necessary and timely. Articulate the benefits of the project. If necessary, describe the consequences of inaction.

Unity Park is not only the most popular public park in Montague, but it is also one of the most popular play areas in Franklin County. The playground receives constant patronage, which speaks to the importance of committing to routine maintenance. The life of rubber pour-in-place surfacing is approximately ten years, and the current PIP surface is original to Phase 1 of the Unity Park Improvement Project from 2012, so it is slightly beyond its useful life. The replacement of this surface is not only critical to the safety of our patrons but also maintains ADA regulations relative to public play spaces. Attempts have been made in the last couple of years to patch torn areas, but these efforts have resulted in less than acceptable results.

The current blue tube slide is one of, if not THE, most popular items in the playground area. Unfortunately, it is also quite old, and even pre-dates the tenure of the Parks & Recreation Director as it was installed in the year 2000. The accepted "life" of playground equipment is approximately fifteen years. The Parks & Recreation Department has started to invest more time, energy and resources into maintaining the slide over the last couple of years, and for the sake of safety this item should be replaced.

Relative Priority : Your assessment of how important this is to the Town at the present time.

Critical Importance

X

Highly Important

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Moderately Important

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Comments and additional information:



Quotation

M.E. O'Brien & Sons, Inc. is an Affirmative Action/Equal Opportunity Employer AA/EOE and Massachusetts SDO Certified WBE

Company Address

Date 11/4/2024

PO Box 718, Medway MA 02053-0718
 TEL 508-359-4200 / FAX 508-533-6342
 www.obrienandsons.com

Quotation Expires 12/4/2024

Customer Name Jonathan Dobosz, Town of Montague
Tel, Email 413-863-3216 / recdir@montague-ma.gov

Salesperson Colin Boutin
Admin Asst Breana Anderson

Version # 2

Job Name	Unity Park, Turners Falls MA
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Salesperson	Email	Pay Terms	Estimated Lead Time
Colin Boutin	colin_boutin@obrienandsons.com	Net 30	TBD

Quantity	Unit	Vendor, Model Number & Description	Unit Price	Taxable?	Amount
		Surface America			
2,746	sq/ft	PlayBound Poured-in-Place Safety Surfacing at a combination of 998 sq/ft at 1.75" thick, 1,167 sq/ft at 3.5" thick, and 581 sq/ft at 5.5" thick, includes turn down of Poured-in-Place into EWF. 50% Color/50% Black speckled mix, includes Aliphatic Binder with 10 Year Warranty (deduct \$9,144 from total price to change to Aromatic Binder with 7 Year Warranty)			
1	lot	Total Furnished, Delivered, and Installed	\$ 78,987.00	No	\$ 78,987.00
		Site Work			
		Remove current damaged Poured-in-Place			
		Confirm existing subbase is intact			
		Dispose of removed materials			
1	lot	Total Site Work	\$ 12,500.00	No	\$ 12,500.00

If you have any questions concerning this quotation, please contact your salesperson listed above.

Subtotal	\$ 91,487.00
Tax Rate	
Sales Tax	\$ -
TOTAL	\$ 91,487.00

2/14/2024

Please Read the Attached TERMS & CONDITIONS



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

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Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: Selectboard Submitted by: Chris Nolan-Zeller, Asst. Town Admin.

Item/Project Cost: \$60,000 Date Prepared: 11/06/2024

Item/Project Title: Millers Falls Rd and Industrial Blvd – FRTA Bus Stop Improvements

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$60,000**, or any other amount, for the purpose of supplementing grant funds received by the Franklin Regional Transit Authority for bus stop improvements at Millers Falls Road and Industrial Boulevard, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

The Franklin Regional Transit Authority (FRTA) was awarded a grant from MassDOT’s Shared Streets and Spaces program in the amount of \$178,376 to fund improvements to the two bus stops on either side of Millers Falls Road at the intersection with Industrial Boulevard. Proposed improvements included four possible alternates, consisting of either Rectangular Rapid Flashing Beacons (RRFB) or HAWK Beacons for pedestrian crossing, and of either Simme-Seats or bus shelters for the comfort and convenience of transit users.

A deficit of \$57,287 exists between the grant award and the project engineer’s opinion of probable cost for the least expensive of the four alternates, which includes RRFBs and Simme-Seats. As a result, the FRTA is now approaching the Town and other stakeholder organizations, such as the Franklin Regional Housing and Redevelopment Authority (FCRHRA), to request assistance with funding this shortfall.

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

The project will be fully managed and administered by the FRTA.

Why is it essential that the Town makes this investment now?

Make your argument for why this project is necessary and timely. Articulate the benefits of the project. If necessary, describe the consequences of inaction.

If the FRTA is unable to secure sufficient additional funds to support the project, there is a risk that the grant funds would need to be surrendered and the project would not move forward. The project as designed would improve safety for all users at a bus stop location served by two bus routes (23, 32), at an intersection which becomes quite busy during peak hours.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

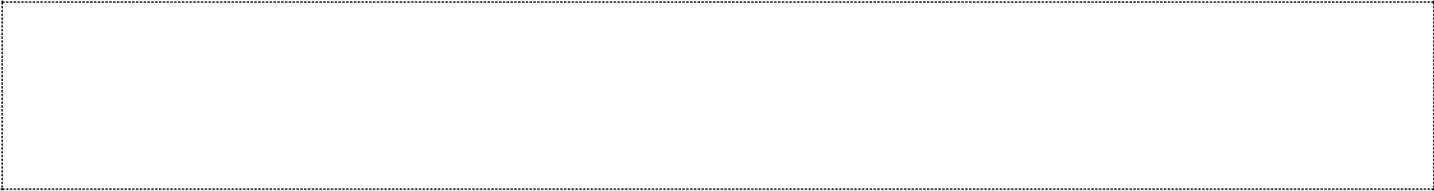
Moderately Important

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Comments and additional information:



FUSS & O'NEILL

FRTA – Industrial Blvd/Millers Falls Rd Bus Stop Improvements

Montague, MA

Preliminary Design Estimate

9/11/2024

PRELIMINARY DESIGN COST ESTIMATE SUMMARY

<u>CONCEPT STAGE</u>	<u>DATE</u>	<u>TOTAL</u>
KITTLESON CONCEPT OPINION OF COST	March 2022	\$ 178,376
KITTLESON CONCEPT OPINION INFLATION ADJUSTED	Sept 2024	\$ 223,375

PRELIMINARY DESIGN ALTERNATIVE

ALTERNATIVE #1 OVERHEAD RRFB W/ SIMME SEATS	Sept 2024	\$ 235,663
ALTERNATIVE #2 OVERHEAD RRFB W/ BUS SHELTERS		\$ 343,453
ALTERNATIVE #3 PEDESTRIAN HYBRID BEACON (HAWK) W/ SIMME SEATS		\$ 436,831
ALTERNATIVE #4 PEDESTRIAN HYBRID BEACON (HAWK) W/ BUS SHELTERS		\$ 544,818

FUSS & O'NEILL

**FRTA – Industrial Blvd/Millers Falls Rd Bus Stop Improvements
Montague, MA
Preliminary Design Estimate
9/11/2024
ALTERNATIVE #1 OVERHEAD RRFB W/ SIMME SEATS**

ITEM NO.	PART. QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	PART. COST	TOTAL
100	1	LS	SCHEDULE OF OPERATIONS - FIXED PRICE \$7000	\$7,000.00	\$7,000.00	\$7,000
102.1	0	FT	TREE TRIMMING	\$14.25	\$0.00	\$0
120.	70	CY	EARTH EXCAVATION	\$40.00	\$2,800.00	\$2,800
141.101*	10	CY	TEST PIT FOR EXPLORATION-VACUUM TRUCK	\$250.00	\$2,500.00	\$2,500
151.	50	CY	GRAVEL BORROW	\$66.75	\$3,337.50	\$3,338
170.	225	SY	FINE GRADING AND COMPACTING - SUBGRADE AREA	\$6.00	\$1,350.00	\$1,350
450.22	7	TON	SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)	\$320.00	\$2,240.00	\$2,240
450.23	7	TON	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	\$267.82	\$1,874.74	\$1,875
482.3	210	FT	SAWCUTTING ASPHALT PAVEMENT	\$5.50	\$1,155.00	\$1,155
506.	310	FT	GRANITE CURB TYPE VB - STRAIGHT	\$117.50	\$36,425.00	\$36,425
506.1	80	FT	GRANITE CURB TYPE VB - CURVED	\$145.00	\$11,600.00	\$11,600
509.	40	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT	\$96.00	\$3,840.00	\$3,840
509.1	50	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED	\$118.00	\$5,900.00	\$5,900
697.1	1	EA	SILT SACK	\$165.00	\$165.00	\$165
701.*	150	SY	CEMENT CONCRETE SIDEWALK	\$85.00	\$12,750.00	\$12,750
701.2*	70	SY	CEMENT CONCRETE PEDESTRIAN CURB RAMP	\$140.00	\$9,800.00	\$9,800
701.3	15	SY	STAMPED & COLORED CEMENT CONCRETE	\$105.00	\$1,575.00	\$1,575
745.01	2	EA	SIMME SEAT BENCH	\$2,000.00	\$4,000.00	\$4,000
748.	1	LS	MOBILIZATION	\$5,968.68	\$5,968.68	\$5,969
751.	50	CY	LOAM FOR ROADSIDES	\$120.00	\$6,000.00	\$6,000
756.*	1	LS	NPDES STORMWATER POLLUTION PREVENTION PLAN	\$10,500.00	\$10,500.00	\$10,500
765.	200	SY	SEEDING	\$2.00	\$400.00	\$400
767.121	370	FT	SEDIMENT CONTROL BARRIER	\$6.50	\$2,405.00	\$2,405
815.1	1	LS	TRAFFIC CONTROL SIGNAL LOCATION NO. 1- OVERHEAD RRFB	\$30,000.00	\$30,000.00	\$30,000
832.	50	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	\$22.50	\$1,125.00	\$1,125
847.12*	7	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL (BLACK)	\$250.00	\$1,750.00	\$1,750
851.1	70	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	\$125.00	\$8,750.00	\$8,750
852.	220	SF	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	\$30.00	\$6,600.00	\$6,600
854.1	740	SF	PAVEMENT MARKING REMOVAL	\$3.05	\$2,257.00	\$2,257
856.	120	DAY	ARROW BOARD	\$17.00	\$2,040.00	\$2,040
856.12	120	DAY	PORTABLE CHANGEABLE MESSAGE SIGN	\$30.00	\$3,600.00	\$3,600
859.	2,921	DAY	REFLECTORIZED DRUM	\$1.00	\$2,921.00	\$2,921
864.04	200	SF	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	\$8.40	\$1,680.00	\$1,680
865.*	560	SF	CROSS WALKS REFLECTORIZED WHITE (THERMOPLASTIC)	\$7.00	\$3,920.00	\$3,920
866.106	1,800	FT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$2.15	\$3,870.00	\$3,870
866.112	50	FT	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$6.85	\$342.50	\$343
867.106	700	FT	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$2.18	\$1,526.00	\$1,526
874.	2	EA	STREET NAME SIGN	\$170.00	\$340.00	\$340
874.2	2	EA	TRAFFIC SIGN REMOVED AND RESET	\$265.09	\$530.18	\$530
874.4	1	EA	TRAFFIC SIGN REMOVED AND STACKED	\$87.00	\$87.00	\$87

Subtotal: \$204,925 \$204,925

Uniformed Traffic Officer Control: \$10,246 \$10,246

10% Construction Contingency: \$20,492 \$20,492

Grand Total: \$235,663 \$235,663

Preliminary Construction Cost
Estimate Prepared For:

FRTA



FUSS & O'NEILL

**FRTA – Industrial Blvd/Millers Falls Rd Bus Stop Improvements
Montague, MA
Preliminary Design Estimate
9/11/2024
ALTERNATIVE #2 OVERHEAD RRFB W/ BUS SHELTERS**

ITEM NO.	PART. QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
100	1	LS	SCHEDULE OF OPERATIONS - FIXED PRICE \$7000	\$7,000.00	\$7,000
102.1	0	FT	TREE TRIMMING	\$14.25	\$0
120.	70	CY	EARTH EXCAVATION	\$40.00	\$2,800
141.101*	10	CY	TEST PIT FOR EXPLORATION-VACUUM TRUCK	\$250.00	\$2,500
151.	50	CY	GRAVEL BORROW	\$66.75	\$3,338
170.	225	SY	FINE GRADING AND COMPACTING - SUBGRADE AREA	\$6.00	\$1,350
450.22	7	TON	SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)	\$320.00	\$2,240
450.23	7	TON	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	\$267.82	\$1,875
482.3	210	FT	SAWCUTTING ASPHALT PAVEMENT	\$5.50	\$1,155
506.	310	FT	GRANITE CURB TYPE VB - STRAIGHT	\$117.50	\$36,425
506.1	80	FT	GRANITE CURB TYPE VB - CURVED	\$145.00	\$11,600
509.	40	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT	\$96.00	\$3,840
509.1	50	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED	\$118.00	\$5,900
697.1	1	EA	SILT SACK	\$165.00	\$165
701.*	150	SY	CEMENT CONCRETE SIDEWALK	\$85.00	\$12,750
701.2*	70	SY	CEMENT CONCRETE PEDESTRIAN CURB RAMP	\$140.00	\$9,800
701.3	15	SY	STAMPED & COLORED CEMENT CONCRETE	\$105.00	\$1,575
745.	2	EA	PEDESTRIAN BUS SHELTER	\$47,500.00	\$95,000
748.	1	LS	MOBILIZATION	\$8,698.68	\$8,699
751.	50	CY	LOAM FOR ROADSIDES	\$120.00	\$6,000
756.*	1	LS	NPDES STORMWATER POLLUTION PREVENTION PLAN	\$10,500.00	\$10,500
765.	200	SY	SEEDING	\$2.00	\$400
767.121*	370	FT	SEDIMENT CONTROL BARRIER	\$6.50	\$2,405
815.1	1	LS	TRAFFIC CONTROL SIGNAL LOCATION NO. 1- OVERHEAD RRFB	\$30,000.00	\$30,000
832.	50	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	\$22.50	\$1,125
847.12*	7	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL (BLACK)	\$250.00	\$1,750
851.1	70	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	\$125.00	\$8,750
852.	220	SF	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	\$30.00	\$6,600
854.1	740	SF	PAVEMENT MARKING REMOVAL	\$3.05	\$2,257
856.	120	DAY	ARROW BOARD	\$17.00	\$2,040
856.12	120	DAY	PORTABLE CHANGEABLE MESSAGE SIGN	\$30.00	\$3,600
859.	2,921	DAY	REFLECTORIZED DRUM	\$1.00	\$2,921
864.04	200	SF	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	\$8.40	\$1,680
865.*	560	SF	CROSS WALKS REFLECTORIZED WHITE (THERMOPLASTIC)	\$7.00	\$3,920
866.106	1,800	FT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$2.15	\$3,870
866.112	50	FT	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$6.85	\$343
867.106	700	FT	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$2.18	\$1,526
874.	2	EA	STREET NAME SIGN	\$170.00	\$340
874.2	2	EA	TRAFFIC SIGN REMOVED AND RESET	\$265.09	\$530
874.4	1	EA	TRAFFIC SIGN REMOVED AND STACKED	\$87.00	\$87

Subtotal: \$298,655

Uniformed Traffic Officer Control: \$14,933

10% Construction Contingency: \$29,865

Grand Total: \$343,453

Preliminary Construction
Cost Estimate Prepared For:

FRTA



FUSS & O'NEILL

**FRTA – Industrial Blvd/Millers Falls Rd Bus Stop Improvements
Montague, MA
Preliminary Design Estimate
9/11/2024**

ALTERNATIVE #3 PEDESTRIAN HYBRID BEACON (HAWK) W/SIMME SEATS

ITEM NO.	PART. QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	PART. COST	TOTAL
100	1	LS	SCHEDULE OF OPERATIONS - FIXED PRICE \$7000	\$7,000.00	\$7,000.00	\$7,000
102.1	0	FT	TREE TRIMMING	\$14.25	\$0.00	\$0
120.	70	CY	EARTH EXCAVATION	\$40.00	\$2,800.00	\$2,800
141.101*	10	CY	TEST PIT FOR EXPLORATION-VACUUM TRUCK	\$250.00	\$2,500.00	\$2,500
151.	50	CY	GRAVEL BORROW	\$66.75	\$3,337.50	\$3,338
170.	225	SY	FINE GRADING AND COMPACTING - SUBGRADE AREA	\$6.00	\$1,350.00	\$1,350
450.22	7	TON	SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)	\$320.00	\$2,240.00	\$2,240
450.23	7	TON	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	\$267.82	\$1,874.74	\$1,875
482.3	210	FT	SAWCUTTING ASPHALT PAVEMENT	\$5.50	\$1,155.00	\$1,155
506.	310	FT	GRANITE CURB TYPE VB - STRAIGHT	\$117.50	\$36,425.00	\$36,425
506.1	80	FT	GRANITE CURB TYPE VB - CURVED	\$145.00	\$11,600.00	\$11,600
509.	40	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT	\$96.00	\$3,840.00	\$3,840
509.1	50	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED	\$118.00	\$5,900.00	\$5,900
697.1	1	EA	SILT SACK	\$165.00	\$165.00	\$165
701.*	150	SY	CEMENT CONCRETE SIDEWALK	\$85.00	\$12,750.00	\$12,750
701.2*	70	SY	CEMENT CONCRETE PEDESTRIAN CURB RAMP	\$140.00	\$9,800.00	\$9,800
701.3	15	SY	STAMPED & COLORED CEMENT CONCRETE	\$105.00	\$1,575.00	\$1,575
745.01	2	EA	SIMME SEAT BENCH	\$2,000.00	\$4,000.00	\$4,000
748.	1	LS	MOBILIZATION	\$11,063.68	\$11,063.68	\$11,064
751.	50	CY	LOAM FOR ROADSIDES	\$120.00	\$6,000.00	\$6,000
756.*	1	LS	NPDES STORMWATER POLLUTION PREVENTION PLAN	\$10,500.00	\$10,500.00	\$10,500
765.	200	SY	SEEDING	\$2.00	\$400.00	\$400
767.121	370	FT	SEDIMENT CONTROL BARRIER	\$6.05	\$2,238.50	\$2,239
815.1	1	LS	TRAFFIC CONTROL SIGNAL LOCATION NO. 1- OVERHEAD PHB (HAWK)	\$200,000.00	\$200,000.00	\$200,000
832.	50	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	\$22.50	\$1,125.00	\$1,125
847.12*	7	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL (BLACK)	\$250.00	\$1,750.00	\$1,750
851.1	70	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	\$125.00	\$8,750.00	\$8,750
852.	220	SF	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	\$30.00	\$6,600.00	\$6,600
854.1	740	SF	PAVEMENT MARKING REMOVAL	\$3.05	\$2,257.00	\$2,257
856.	120	DAY	ARROW BOARD	\$17.00	\$2,040.00	\$2,040
856.12	120	DAY	PORTABLE CHANGEABLE MESSAGE SIGN	\$30.00	\$3,600.00	\$3,600
859.	2,921	DAY	REFLECTORIZED DRUM	\$1.00	\$2,921.00	\$2,921
864.04	200	SF	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	\$8.40	\$1,680.00	\$1,680
865.*	560	SF	CROSS WALKS REFLECTORIZED WHITE (THERMOPLASTIC)	\$7.00	\$3,920.00	\$3,920
866.106	1,800	FT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$2.15	\$3,870.00	\$3,870
866.112	50	FT	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$6.85	\$342.50	\$343
867.106	700	FT	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$2.18	\$1,526.00	\$1,526
874.	2	EA	STREET NAME SIGN	\$170.00	\$340.00	\$340
874.2	2	EA	TRAFFIC SIGN REMOVED AND RESET	\$265.09	\$530.18	\$530
874.4	1	EA	TRAFFIC SIGN REMOVED AND STACKED	\$87.00	\$87.00	\$87

Preliminary Construction Cost
Estimate Prepared For:

FRTA

Subtotal:	\$379,853	\$379,853
Uniformed Traffic Officer Control:	\$18,993	\$18,993
10% Construction Contingency:	\$37,985	\$37,985
Grand Total:	\$436,831	\$436,831



FUSS & O'NEILL

FRTA – Industrial Blvd/Millers Falls Rd Bus Stop Improvements

Montague, MA

Preliminary Design Estimate

9/11/2024

ALTERNATIVE #4 PEDESTRIAN HYBRID BEACON W/ BUS SHELTERS

ITEM NO.	PART. QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
100	1	LS	SCHEDULE OF OPERATIONS - FIXED PRICE \$7000	\$7,000.00	\$7,000
102.1	0	FT	TREE TRIMMING	\$14.25	\$0
120.	70	CY	EARTH EXCAVATION	\$40.00	\$2,800
141.101*	10	CY	TEST PIT FOR EXPLORATION-VACUUM TRUCK	\$250.00	\$2,500
151.	50	CY	GRAVEL BORROW	\$66.75	\$3,338
170.	225	SY	FINE GRADING AND COMPACTING - SUBGRADE AREA	\$6.00	\$1,350
450.22	7	TON	SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)	\$320.00	\$2,240
450.23	7	TON	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	\$267.82	\$1,875
482.3	210	FT	SAWCUTTING ASPHALT PAVEMENT	\$5.50	\$1,155
506.	310	FT	GRANITE CURB TYPE VB - STRAIGHT	\$117.50	\$36,425
506.1	80	FT	GRANITE CURB TYPE VB - CURVED	\$145.00	\$11,600
509.	40	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT	\$96.00	\$3,840
509.1	50	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED	\$118.00	\$5,900
697.1	1	EA	SILT SACK	\$165.00	\$165
701.*	150	SY	CEMENT CONCRETE SIDEWALK	\$85.00	\$12,750
701.2*	70	SY	CEMENT CONCRETE PEDESTRIAN CURB RAMP	\$140.00	\$9,800
701.3	15	SY	STAMPED & COLORED CEMENT CONCRETE	\$105.00	\$1,575
745	2	EA	PEDESTRIAN BUS SHELTER	\$47,500.00	\$95,000
748.	1	LS	MOBILIZATION	\$13,798.68	\$13,799
751.	50	CY	LOAM FOR ROADSIDES	\$120.00	\$6,000
756.*	1	LS	NPDES STORMWATER POLLUTION PREVENTION PLAN	\$10,500.00	\$10,500
765.	200	SY	SEEDING	\$2.00	\$400
767.121	370	SY	SEDIMENT CONTROL BARRIER	\$6.50	\$2,405
815.1	1	LS	TRAFFIC CONTROL SIGNAL LOCATION NO. 1- OVERHEAD PHB (HAWK)	\$200,000.00	\$200,000
832.	50	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	\$22.50	\$1,125
847.12*	7	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL (BLACK)	\$250.00	\$1,750
851.1	70	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	\$125.00	\$8,750
852.	220	SF	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	\$30.00	\$6,600
854.1	740	SF	PAVEMENT MARKING REMOVAL	\$3.05	\$2,257
856.	120	DAY	ARROW BOARD	\$17.00	\$2,040
856.12	120	DAY	PORTABLE CHANGEABLE MESSAGE SIGN	\$30.00	\$3,600
859.	2,921	DAY	REFLECTORIZED DRUM	\$1.00	\$2,921
864.04	200	SF	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	\$8.40	\$1,680
865.*	560	SF	CROSS WALKS REFLECTORIZED WHITE (THERMOPLASTIC)	\$7.00	\$3,920
866.106	1,800	FT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$2.15	\$3,870
866.112	50	FT	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$6.85	\$343
867.106	700	FT	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$2.18	\$1,526
874.	2	EA	STREET NAME SIGN	\$170.00	\$340
874.2	2	EA	TRAFFIC SIGN REMOVED AND RESET	\$265.09	\$530
874.4	1	EA	TRAFFIC SIGN REMOVED AND STACKED	\$87.00	\$87

Subtotal: \$473,755

Uniformed Traffic Officer Control: \$23,688

10% Construction Contingency: \$47,375

Grand Total: \$544,818

Preliminary Construction
Cost Estimate Prepared For:

FRTA

FUSS & O'NEILL

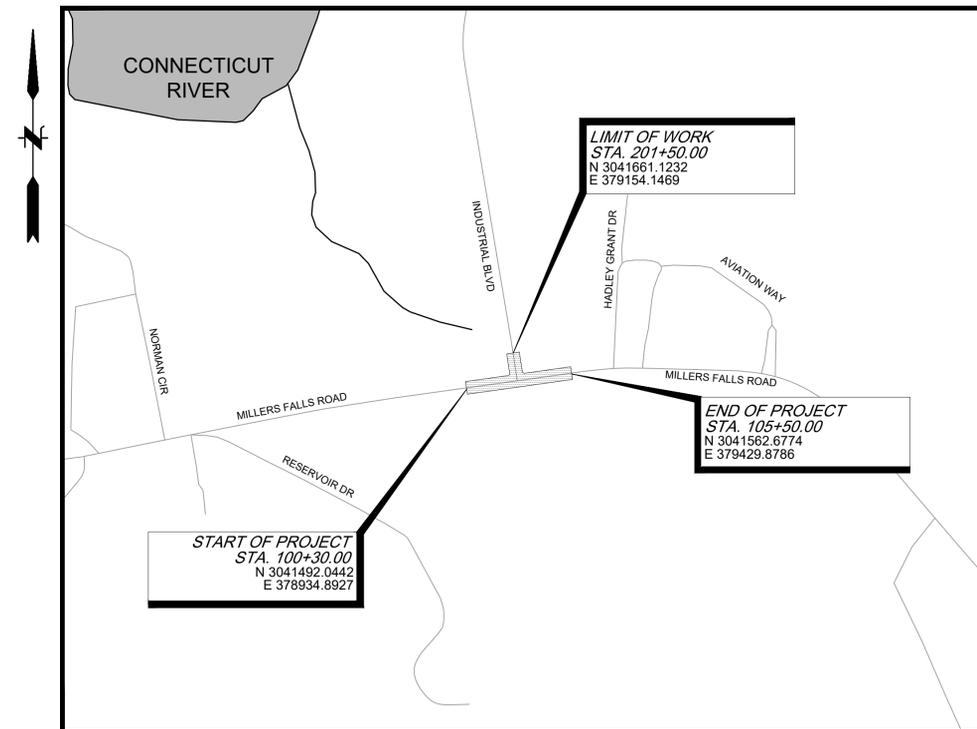
FRTA – INDUSTRIAL BLVD/MILLERS FALLS RD BUS STOP IMPROVEMENTS

MONTAGUE · MASSACHUSETTS
PRELIMINARY DESIGN SUBMITTAL
NOT FOR CONSTRUCTION

AUGUST 2024

SHEET INDEX

Page no.	Sheet no.	Sheet Title
1	GI-001	COVER SHEET
2	GI-002	LEGEND & GENERAL NOTES
3	GI-301	TYPICAL SECTIONS
4	CS-101	CONSTRUCTION PLANS
5-6	CR-201-202	ROADWAY PROFILES
7	CG-101	GRADING & BASELINE TIE PLANS
8	CT-101	PAVEMENT MARKING & SIGNING PLANS
9	CT-601	STANDARD TRAFFIC SIGN SUMMARY SHEET
10	CT-102	TRAFFIC SIGNAL PLANS
11-13	CT-103-105	TEMP. TRAFFIC MANAGEMENT PLANS
14	CT-602	TEMP. TRAFFIC SIGN SUMMARY SHEET
15-17	CD-501-503	CONSTRUCTION DETAILS
18	RW-101	ANTICIPATED ROW OF WAY IMPACT



LOCATION MAP

SCALE: 1" = 400'

LENGTH OF PROJECT = 580 FEET = 0.1098 MILES

PREPARED BY

**FUSS &
O'NEILL**

1550 MAIN STREET, SUITE 400
 SPRINGFIELD, MA 01103
 413.452.0445
 www.fando.com

PREPARED FOR

**FRANKLIN REGIONAL
 TRANSIT AUTHORITY**
 12 OLIVE STREET
 GREENFIELD, MA 01301

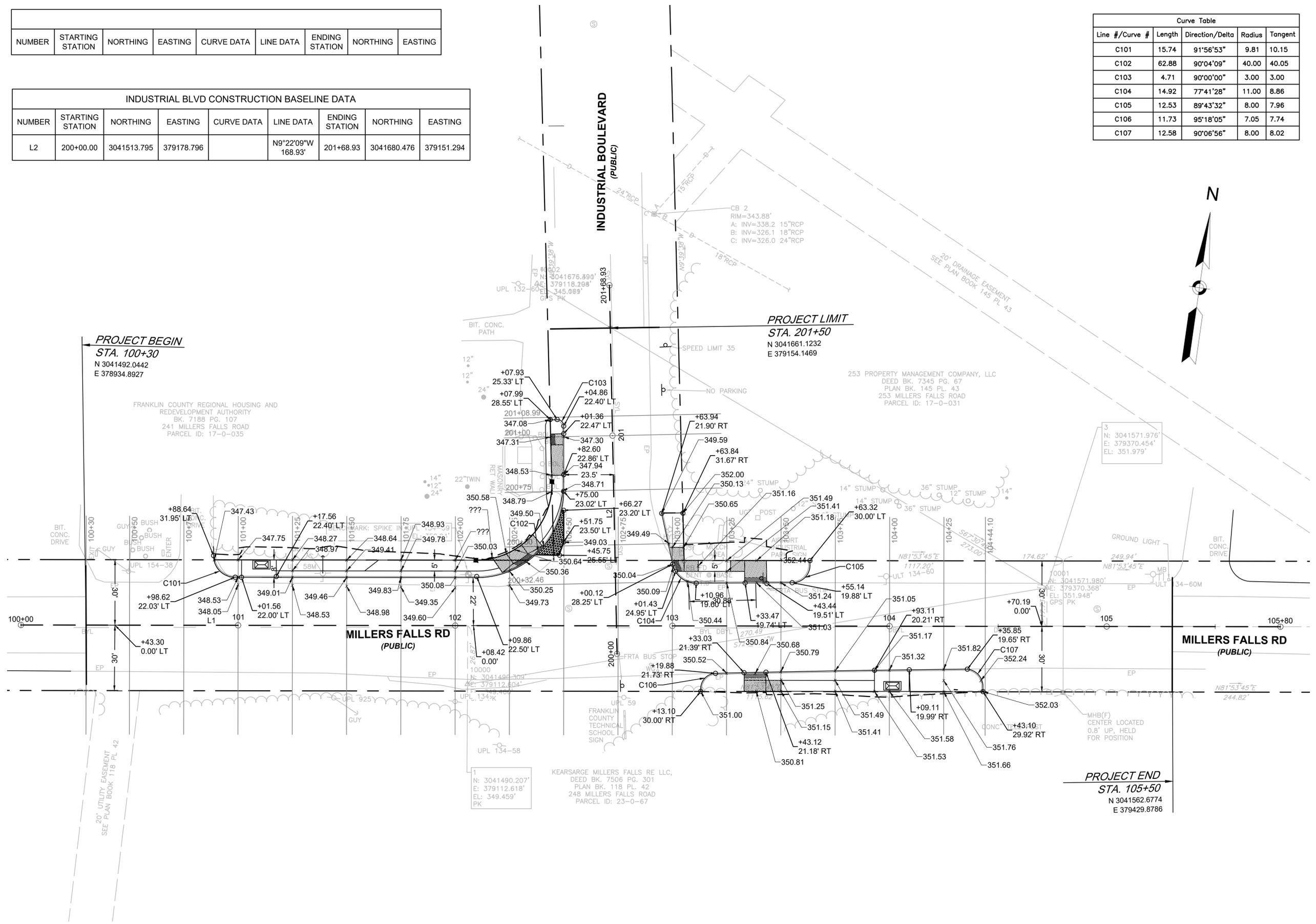
PROJ. No.: 20240059.A10
 DATE: AUGUST 2024

GI-001

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
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INDUSTRIAL BLVD CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L2	200+00.00	3041513.795	379178.796		N9°22'09"W 168.93'	201+68.93	3041680.476	379151.294

Curve Table				
Line #/Curve #	Length	Direction/Delta	Radius	Tangent
C101	15.74	91°56'53"	9.81	10.15
C102	62.88	90°04'09"	40.00	40.05
C103	4.71	90°00'00"	3.00	3.00
C104	14.92	77°41'28"	11.00	8.86
C105	12.53	89°43'32"	8.00	7.96
C106	11.73	95°18'05"	7.05	7.74
C107	12.58	90°06'56"	8.00	8.02

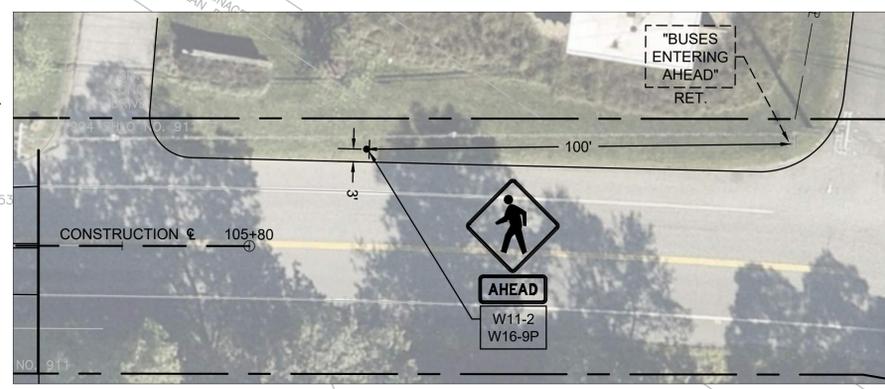
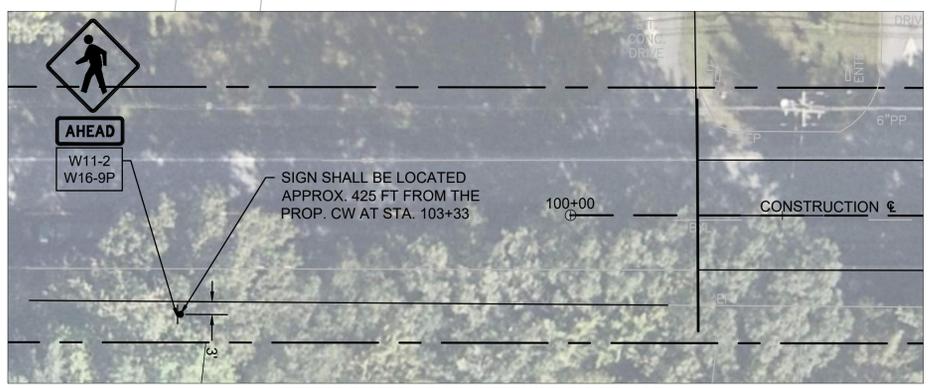
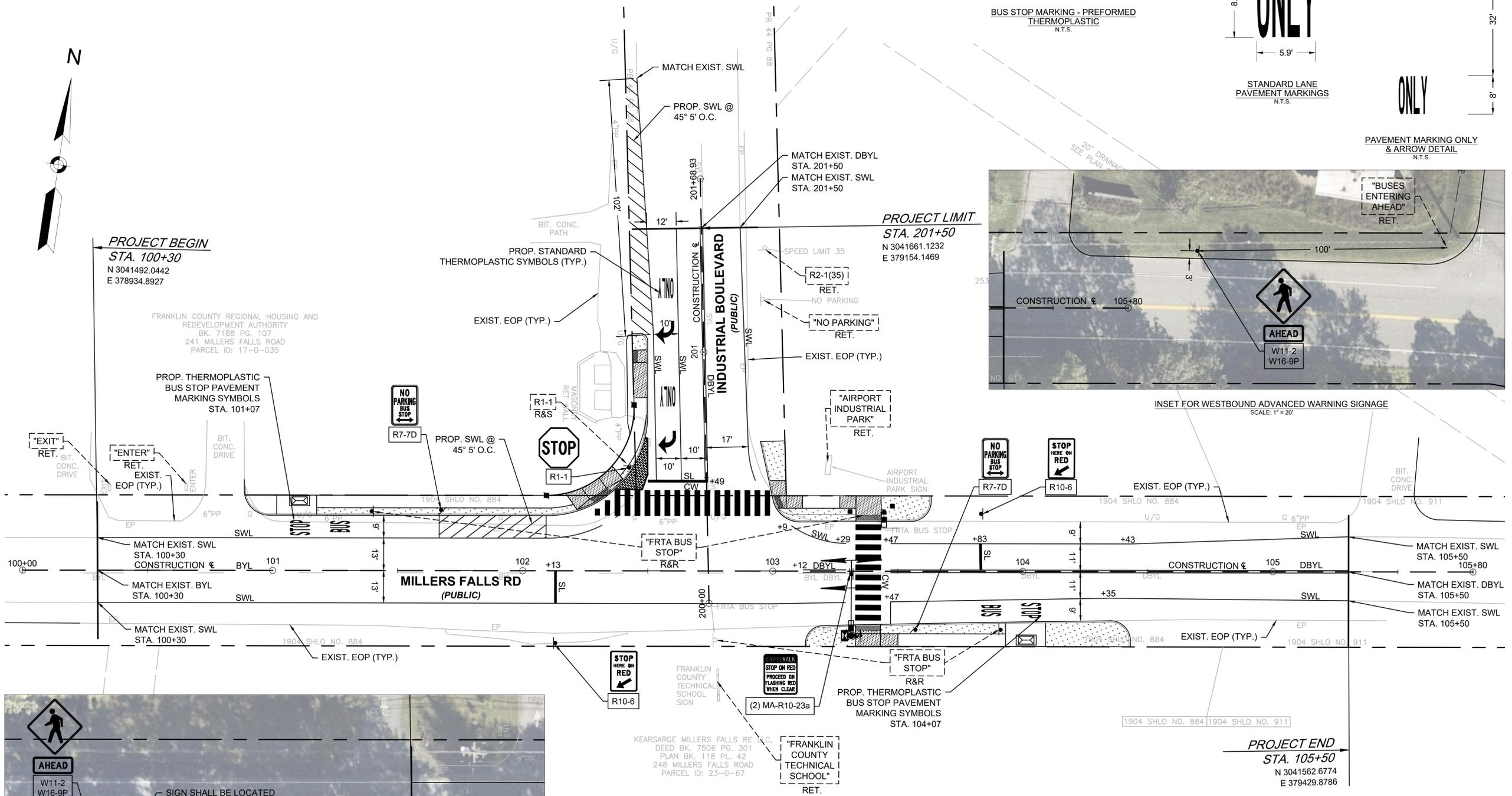
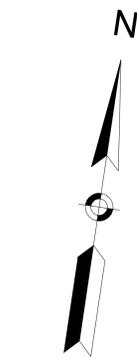
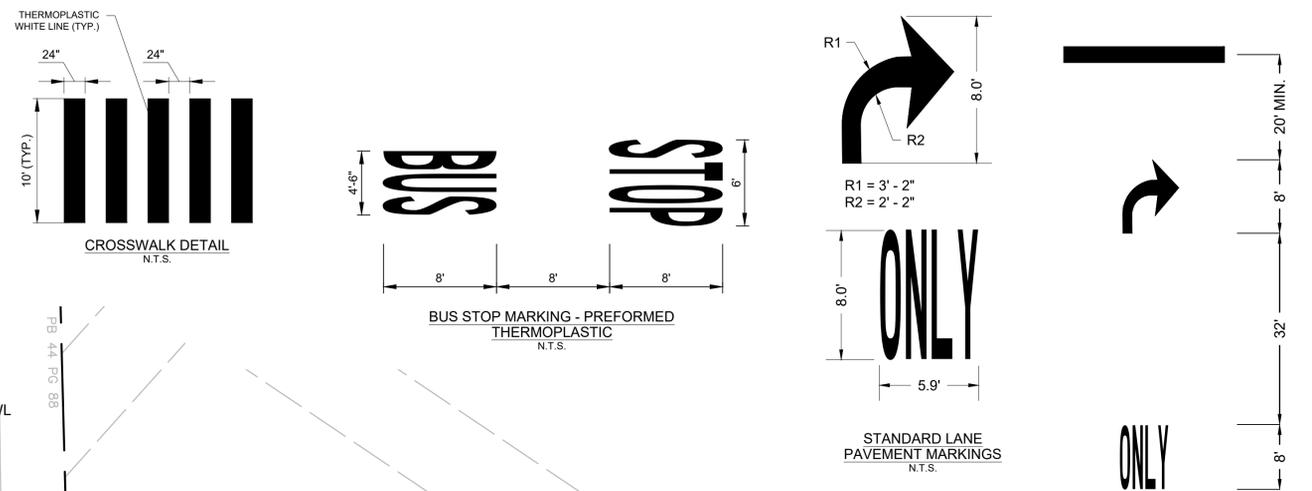


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FUSS & O'NEILL 1550 MAIN STREET, SUITE 400 SPRINGFIELD, MA 01103 www.foss.com	TOWN OF MONTAGUE GRADING AND BASELINE TIE PLANS FRTA - INDUSTRIAL BLVD/MILLERS FALLS RD BUS STOP IMPROVEMENTS MASSACHUSETTS MONTAGUE
SCALE: HORZ.: 1" = 77' VERT.: 1" = 7.7' DATUM: NAD 83 VERT.: 1" = 7.7' GRAPHIC SCALE	SEAL No. _____ DATE _____ DESIGNER REVIEWER _____
PROJ. No.: 20240059.A10 DATE: AUGUST 2024	
CG-101	

MARKING LEGEND	
▶	PROPOSED SIGN
SL	PROPOSED 12" WHITE STOP LINE
CW	PROPOSED 24" WHITE CROSS WALK
SWL	PROPOSED 6" SOLID WHITE LINE
DBYL	PROPOSED 6" DOUBLE YELLOW LINE
BYL	PROPOSED 6" BROKEN YELLOW LINE (10' MARK - 30' SKIP)
XXXX	PROPOSED SIGN DESIGNATION
XXXX	EXISTING SIGN DESIGNATION

- NOTES:
1. ALL STANDARD P-5 SIGN POSTS SHALL BE GALVANIZED.
 2. ALL EXISTING SIGNS TO REMAIN UNLESS OTHERWISE NOTED ON PLANS.
 3. ALL PROPOSED PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 4. WHITE GORE LINES SHALL FORM AN ANGLE OF APPROXIMATELY 45 DEGREES WITH THE LONGITUDINAL LINES THAT THEY INTERSECT. SPACING OF GORE LINES SHALL BE APPROXIMATELY 10 FEET.
 5. PROPOSED TRAFFIC SIGNS SHALL BE MOUNTED PERPENDICULAR (90°) TO THE ROADWAY, WITH THE EXCEPTION OF R7 SERIES (NO PARKING) SIGNS, WHICH SHALL BE INSTALLED AT A 45° ANGLE RELATIVE TO THE ROADWAY.



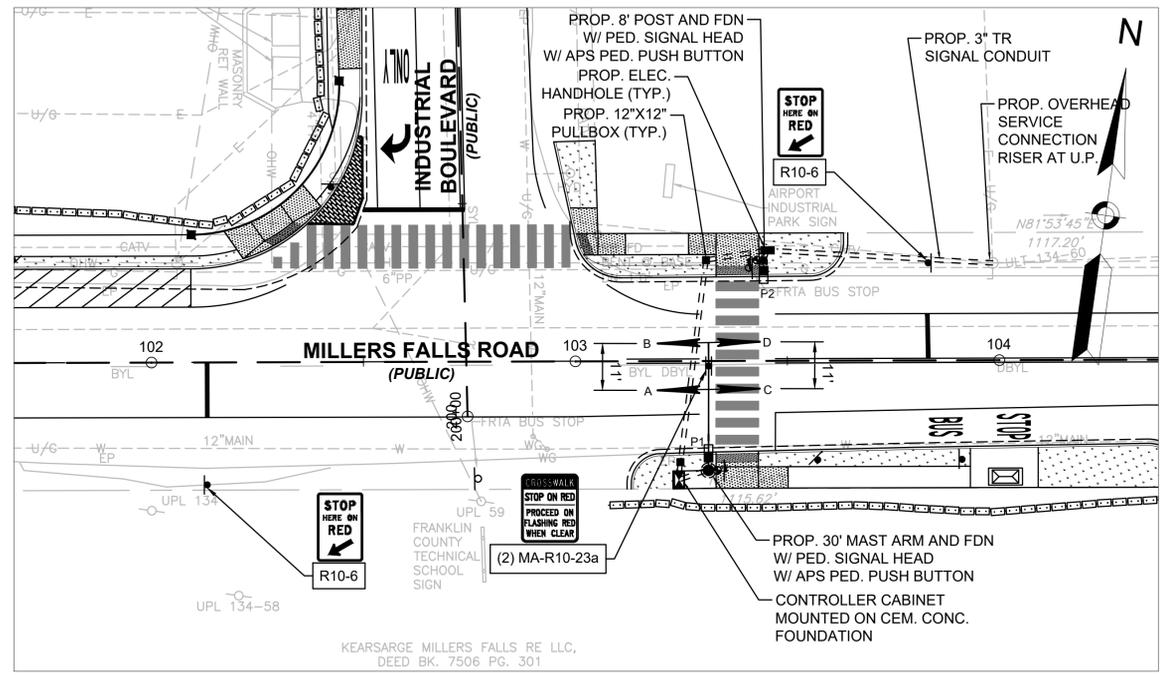
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FUSS & O'NEILL 1550 MAIN STREET, SUITE 400 SPRINGFIELD, MA 01103 413.462.0446 www.fuss.com	TOWN OF MONTAGUE PAVEMENT MARKING & SIGNING PLANS FRTA - INDUSTRIAL BLVD/MILLERS FALLS RD BUS STOP IMPROVEMENTS MASSACHUSETTS MONTAGUE
SCALE: 1" = 20' HORIZ.: 1" = 20' VERT.: 1" = 10' DATUM: - HORIZ.: - VERT.: - GRAPHIC SCALE: 0 10' 20' 40'	SEAL: _____ No. _____ DATE _____ DESIGNER/REVIEWER _____
PROJ. No.: 20240059.A10 DATE: AUGUST 2024	
CT-101	

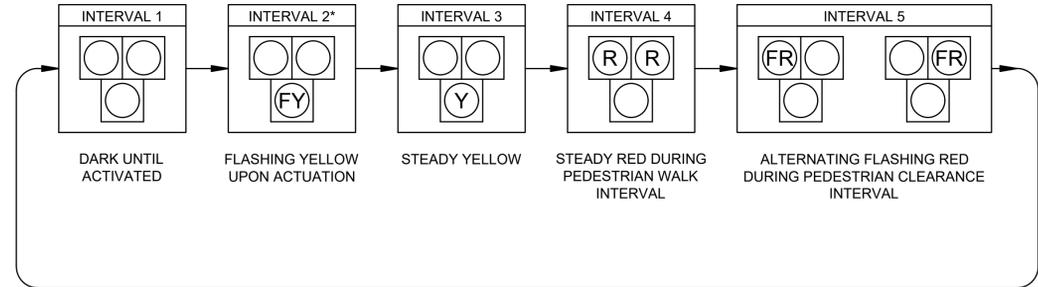
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 LAYER STATE:

SEQUENCE AND TIMING											
	DIRECTION	HOUSING	Ø/OL	PHASE 1			PHASE 2				FLASH
				1	2	3	4	5	6	7	
MINIMUM INTERVAL				15							
MAXIMUM I				N/A							
MAXIMUM II											
FLASHING YELLOW					4						
STEADY YELLOW						4					
ALL RED							3				
STEADY RED / PED WALK								7			
FLASHING RED / PED CLEAR									12		
BUFFER										4	
MILLERS FALLS ROAD EB	A,B	2	DARK	FY	Y	R	R	FR	DARK	FY	
MILLERS FALLS ROAD WB	C,D	6	DARK	FY	Y	R	R	FR	DARK	FY	
PEDESTRIAN	N&S	P1,P2	4	DW	DW	DW	DW	W	FDW	DW	OUT
RECALL				YES	NONE						
FLASHING OPERATION PER MUTCD SEC. 4D-12											

- NOTES:
- * UPON PEDESTRIAN PUSH BUTTON ACTUATION
 - FR = ALTERNATING FLASHING RED
 - STOP AND GO OPERATION FOR 24 HOURS PER DAY. FLASHING OPERATION FOR EMERGENCY ONLY



HAWK (PEDESTRIAN) PHASE SEQUENCE



- * UPON PEDESTRIAN PUSH BUTTON ACTUATION
 R = STEADY RED
 FR = FLASHING RED
 Y = STEADY YELLOW
 FY = FLASHING YELLOW

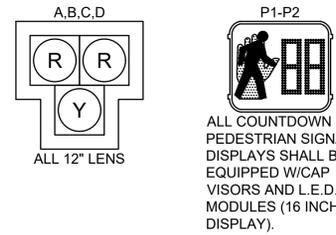
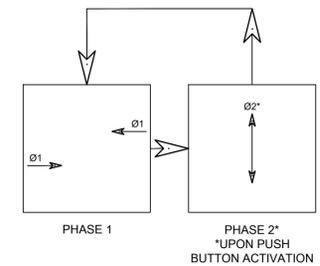
LEGEND	
	PROPOSED MAST ARM & POLE
	PROPOSED SIGNAL POST
	PROPOSED SIGNAL HEAD
	PROPOSED PEDESTRIAN HEAD
	PROPOSED PEDESTRIAN PUSH BUTTON
	PROPOSED 12X12 PULL BOX
	PROPOSED 3" PVC CONDUIT TYPE NM
	PROPOSED CONTROLLER CABINET

CONSTRUCTION NOTES:

- THE TOP OF ALL MAST ARM FOUNDATIONS IN SIDEWALK AREAS SHALL BE LOCATED FLUSH WITH FINISH GRADE.
- THE TOP OF ALL MAST ARM FOUNDATIONS IN GRASSY AREAS SHALL BE LOCATED 3"± ABOVE FINISHED GRADE.
- TS POST/POLE WITH PEDESTRIAN PUSH BUTTON NOT LOCATED WITHIN A PAVED SURFACE SHALL BE POSITIONED TO PROVIDE A 10" MAX CLEAR REACH ZONE BETWEEN THE PEDESTRIAN PUSH BUTTON AND THE PAVED SURFACE PER 521 CMR AND AS SHOWN IN THE CONSTRUCTION DETAILS.

MAJOR ITEMS REQUIRED		
PAY ITEM	QUANTITY	ITEM
804.3	150	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL)
811.31	2	12" X 12" PULL BOX (SD2-031)
811.22	1	ELECTRIC HANDHOLE - SD2.022
815.1	1	SERVICE CONNECTION
	1	SIGNAL POST & BASE STANDARD - 8' INCL FOUNDATION
	1	30' MAST ARM - STEEL, INCL BASE & FOUNDATION
	4	SIGNAL HEAD 1 WAY - 3 SECTION 12" LED LENS
	2	16" LED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN
	2	ACCESSIBLE PEDESTRIAN SIGNAL WITH PUSHBUTTON, SIGN AND SADDLE
1	TRAFFIC SIGNAL CONTROLLER AND CABINET ENCLOSURE MOUNTED ON CEM. CONC. FOUNDATION	
PLUS ALL WIRE, CABLE, MOUNTING HARDWARE, EQUIPMENT & MATERIALS NECESSARY TO COMPLETE THE INSTALLATION		

PREFERENTIAL PHASE SEQUENCE



PROPOSED R10-3E



TO BE MOUNTED WITH EACH PROPOSED ACCESSIBLE PEDESTRIAN SIGNAL.

PROPOSED SIGNAL INDICATIONS

ALL SIGNAL HEADS SHALL BE RIGID MOUNTED & EQUIPPED WITH CAP VISORS AND ±5" NON-LOUVERED BACKPLATES WITH 3" YELLOW REFLECTIVE BORDERS.

****ALL PROPOSED MAST ARMS, SIGNAL POSTS, BASES, BACKPLATES, AND BRACKETS SHALL BE FACTORY COATED BLACK****

ACCESSIBLE PEDESTRIAN SIGNALS (APS):

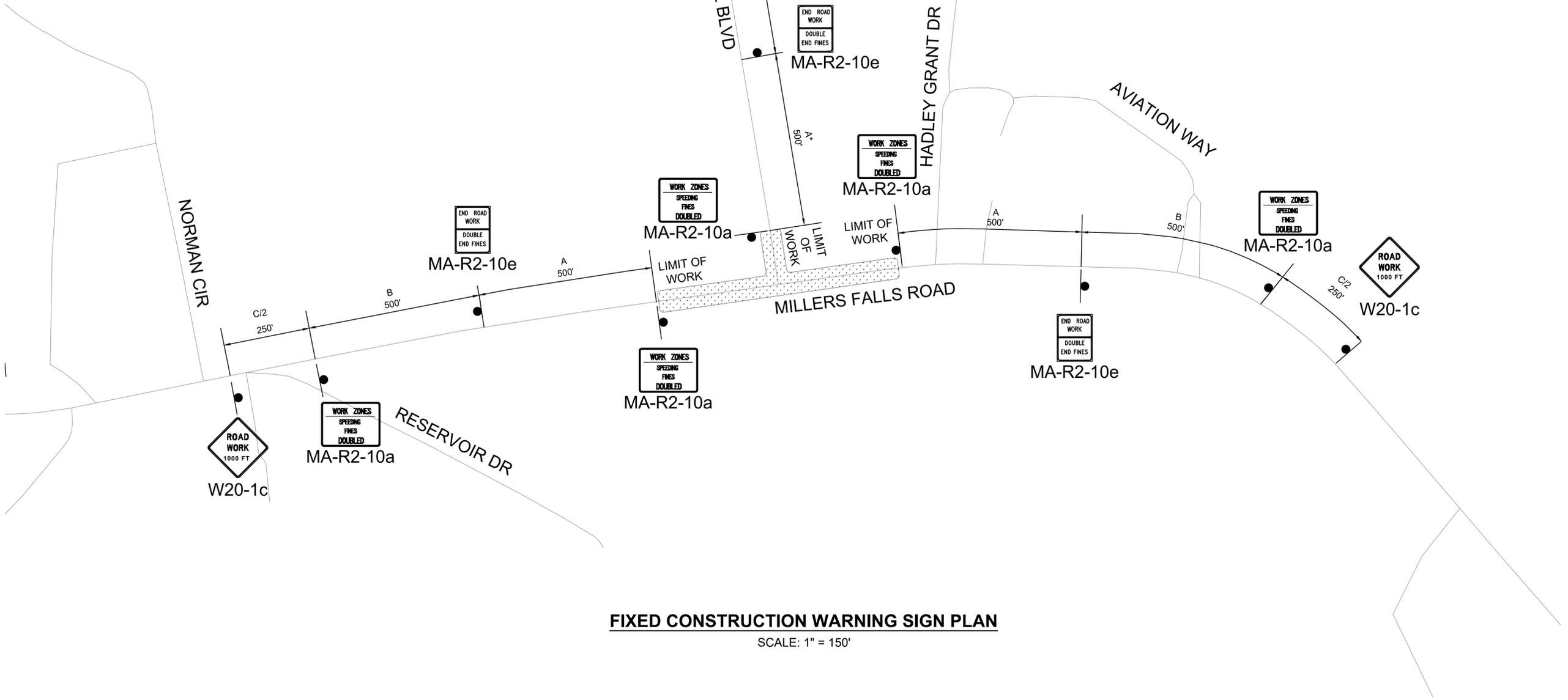
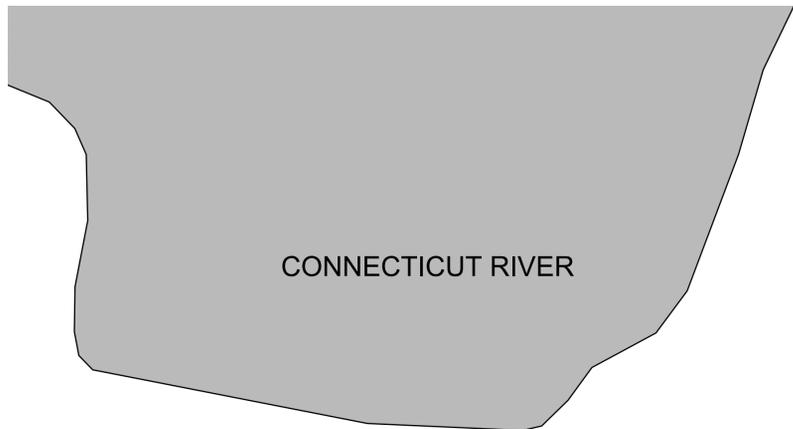
ALL PROPOSED ACCESSIBLE PEDESTRIAN SIGNALS MUST FULLY COMPLY WITH THE UNITED STATES ACCESS BOARD PROWAG SUPPLEMENTAL TECHNICAL REQUIREMENTS UNDER CHAPTER 4. THIS INCLUDES OPERABLE PARTS (R403), CLEAR SPACES (R404), AND REACH RANGES (R406) AS RELATES TO ACCESSIBLE PEDESTRIAN SIGNALS AND PEDESTRIAN PUSH BUTTONS.

ACCESSIBLE PEDESTRIAN SIGNALS (APS) SPEECH MESSAGE NOTE:

ALL PUSH BUTTONS AT THIS INTERSECTION SHALL BE PROGRAMMED WITH THE APPROPRIATE SPEECH MESSAGE FOR WALK INDICATING THE STREET CROSSING.

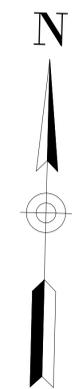
DESIGNER/REVIEWER	
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HORIZ.: NOT TO SCALE	
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DATUM:	
HORIZ.:	
VERT.:	
FUSS & O'NEILL 1550 MAIN STREET, SUITE 400 SPRINGFIELD, MA 01103 413.452.0446 www.foss.com	
TOWN OF MONTAGUE TRAFFIC SIGNAL PLAN FRTA - INDUSTRIAL BLVD/MILLERS FALLS RD BUS STOP IMPROVEMENTS MASSACHUSETTS MONTAGUE	
PROJ. No.: 20240059.A10 DATE: AUGUST 2024	
<h1>CT-102</h1>	

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 MS VIEW: PC3: AUTOCAD PDF (GENERAL DOCUMENTATION) PC3: STE/CTB: MADOT-D.STB



NOTES:

- 1) FOR DISTANCES SEE TABLE ON SHEET CT-105. THE DIMENSIONS FOR A, B, & C MAY REQUIRE FIELD ADJUSTMENTS DUE TO THE URBAN NATURE OF THE PROJECT AREA.
- 2) ALL SIGNS SHOWN ON THIS PLAN SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT



FIXED CONSTRUCTION WARNING SIGN PLAN

SCALE: 1" = 150'

DESIGNER REVIEWER	
DESCRIPTION	
DATE	
No.	
SEAL	
SCALE: HORZ.: 1" = 150'	<p>GRAPHIC SCALE</p>
VERT.: -	
DATUM: -	
HORZ.: -	<p>150 MAIN STREET, SUITE 400 SPRINGFIELD, MA 01103 413.462.0446 www.fussandoneill.com</p>
VERT.: -	
<p>FUSS & O'NEILL</p>	
<p>TOWN OF MONTAGUE TEMP. TRAFFIC MANAGEMENT PLANS FRTA - INDUSTRIAL BLVD/MILLERS FALLS RD BUS STOP IMPROVEMENTS MASSACHUSETTS</p>	
<p>PROJ. No.: 20240059.A10 DATE: AUGUST 2024</p>	
<p>CT-103</p>	

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 PC3: AUTOCAD PDF (GENERAL DOCUMENTATION) PC3_STB\CTB: MADOT-D.STB
 LAYER STATE:

NOTES:

- TEMPORARY TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND THE MASSACHUSETTS AMENDMENTS TO THE MUTCD.
- TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
- REMOVE OR COVER ALL TEMPORARY DEVICES WHEN THEY ARE NO LONGER REQUIRED FOR CONTROL OF TRAFFIC.
- ABUTTERS SHALL BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS TO THEIR BUSINESS, RESIDENCE, AND/OR PROPERTY.
- THE FIRST TEN PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH SEQUENTIALLY FLASHING LIGHTS WHEN USED FOR NIGHT WORK BETWEEN DUSK AND DAWN.
- DISTANCES SHOWN IN THIS DOCUMENT MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER DUE TO SITE CONSTRAINTS.
- MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
- MINIMUM LANE WIDTH IS TO BE 11 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.

LEGEND:

	REFLECTORIZED PLASTIC DRUM OR 36" CONE		ARROW BOARD		MEDIAN BARRIER WITH WARNING LIGHTS
	POLICE DETAIL		WORK SPACE		WORK VEHICLE
	FLAGGER DETAIL		DIRECTION OF TRAFFIC		TRUCK MOUNTED ATTENUATOR
	TYPE III BARRICADE		IMPACT ATTENUATOR		TRAFFIC OR PEDESTRIAN SIGNAL
	CHANGEABLE MESSAGE SIGN		MEDIAN BARRIER		SIGN

massDOT Highway Division
 WORK ZONE SAFETY STANDARD DETAILS AND DRAWINGS
 GENERAL NOTES
 DATE OF ISSUE: 07/01/2023
 REVISIONS:
 FIGURE NO.: GEN-1

ROAD TYPE	DISTANCE			
	A	B	C	D
URBAN (30 MPH OR LESS)	100 FEET	100 FEET	100 FEET	100 FEET
URBAN (35 MPH OR GREATER)	350 FEET	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET	500 FEET
EXPRESSWAY/FREEWAY	1,000 FEET	1,500 FEET	2,640 FEET	500 FEET

massDOT Highway Division
 WORK ZONE SAFETY STANDARD DETAILS AND DRAWINGS
 SUGGESTED WORK ZONE WARNING SIGN SPACING
 DATE OF ISSUE: 07/01/2023
 REVISIONS:
 FIGURE NO.: GEN-2

MEASURED AVERAGE WORK ZONE CAPACITIES

NORMAL (EXISTING)	OPEN (TO TRAFFIC)	AVERAGE CAPACITY	
		VEHICLES PER HOUR	VEHICLES PER HOUR PER LANE
3	1	1,170	1,170
2	1	1,340	1,340
5	2	2,740	1,370
4	2	2,980	1,480
3	2	2,980	1,490
4	3	4,560	1,520

THE IDEAL CAPACITY OF A MAJOR HIGHWAY IS GENERALLY CONSIDERED TO BE 1900 PASSENGER CARS PER HOUR PER LANE (PCPHPL). IN WORK ZONES ON A MULTI-LANE DIVIDED HIGHWAY, THE FOLLOWING VOLUME GUIDELINES HAVE BEEN SUGGESTED:

STOPPING SIGHT DISTANCE AS A FUNCTION OF SPEED

SPEED* (mph)	DISTANCE (ft)
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730
75	820

*POSTED SPEED, OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED
 THESE VALUES MAY BE USED TO DETERMINE THE LENGTH OF LONGITUDINAL BUFFER SPACES.
 THE DISTANCES IN THE ABOVE CHART REPRESENT THE MINIMAL VALUES FOR BUFFER SPACING.

massDOT Highway Division
 WORK ZONE SAFETY STANDARD DETAILS AND DRAWINGS
 MEASURED AVERAGE WORK ZONE CAPACITIES & STOPPING SIGHT DISTANCE AS A FUNCTION OF SPEED
 DATE OF ISSUE: 07/01/2023
 REVISIONS:
 FIGURE NO.: GEN-3

- GENERAL NOTES:**
- ONE LANE OF TRAFFIC SHALL BE MAINTAINED AS OPEN IN EACH APPROACH DIRECTION AT ALL TIMES. THE CONTRACTOR MAY DEPLOY LANE SHIFTS. NO DETOURS ARE ANTICIPATED TO BE NEEDED. ANY PROPOSED DETOUR MUST BE APPROVED BY THE ENGINEER AND TOWN OF MONTAGUE.
 - ALL TRAFFIC MANAGEMENT CONFIGURATIONS SHALL CONFORM TO THE STANDARD MassDOT DETAILS ON THE FOLLOWING SHEETS AND APPLY TO ALL LOCATIONS INCLUDED IN THE CONTRACT.
 - THE CONTRACTOR SHALL BE PERMITTED TO PERFORM TEMPORARY ROADWAY OR LANE CLOSURES FROM 7:00 A.M. TO 3:30 P.M. CHANGES TO THESE TIMES REQUIRE APPROVAL FROM THE TOWN OF MONTAGUE.
 - ALL TRENCHES IN THE ROADWAY SHALL EITHER BE BACKFILLED AND PATCHED WITH HOT MIX ASPHALT, COVERED WITH BEVELED EDGES STEEL PLATES, OR HOT MIX ASPHALT AROUND STEEL PLATES BEFORE REOPENING THE ROADWAY TO TRAFFIC. UNBEVELED STEEL PLATE MAY BE USED IF HMA WEDGES ARE PLACED IN ACCORDANCE WITH THE LONGITUDINAL DROP OFF DETAIL.
 - COVER ALL EXISTING SIGNAGE THAT CONFLICTS WITH THE TRAFFIC MANAGEMENT SETUP IN PLACE.
 - PORTABLE CHANGEABLE MESSAGE BOARDS (PCMB) SHALL BE USED ON THE PROJECT SITE; THESE SIGNS SHALL ADVISE MOTORISTS TO EXPECT DELAYS, AND ADVISE TRAILER TRUCKS OF RESTRICTED LANE WIDTHS (AND POSSIBLE DETOUR ROUTES) ON SPECIFIC APPROACHES DURING CERTAIN STAGES OF CONSTRUCTION.
 - THE CONTRACTOR SHALL PLACE TWO PORTABLE CHANGEABLE MESSAGE BOARDS (PCMB) ON THE PROJECT SITE, FOR SEVEN DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
 - ALL ADVANCED SIGNAGE SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
 - IF FLAGGERS ARE USED FOR TRAFFIC CONTROL, THE FLAGGER SIGN (W20-7a) SHALL BE SUBSTITUTED FOR THE POLICE OFFICER AHEAD (W20-7b) SIGN.

VARIABLES	DEFINITION
A	WORK ZONE WARNING SIGN SPACING (SEE SHEET GEN-2)
B	WORK ZONE WARNING SIGN SPACING (SEE SHEET GEN-2)
C	WORK ZONE WARNING SIGN SPACING (SEE SHEET GEN-2)
D	WORK ZONE WARNING SIGN SPACING (SEE SHEET GEN-2)
L	LENGTH IN FEET
S	SPEED LIMIT
W	WIDTH OF OFFSET IN FEET
T	TANGENT LENGTH, AT LEAST 2L

massDOT Highway Division
 WORK ZONE SAFETY STANDARD DETAILS AND DRAWINGS
 ABBREVIATIONS
 DATE OF ISSUE: 07/01/2023
 REVISIONS:
 FIGURE NO.: GEN-4

TAPER AND TANGENT LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES

TYPE	LENGTH*
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5L
SHOULDER TAPER	AT LEAST 0.33L
ONE-LANE, TWO-WAY TRAFFIC TAPER	50 FT MIN. 100 FT MAX.
DOWNSTREAM TAPER	50 FT MIN. 100 FT MAX. PER LANE
TANGENT LENGTH**	AT LEAST 2L

* Use Table 6C-4 to calculate L
 ** Tangent Length Measured Between Two Tapers
 Source: Table 6C-3 MUTCD LATEST EDITION

FORMULAS FOR DETERMINING TAPER LENGTHS

SPEED (S)	TAPER LENGTH (L) IN FEET
40 MPH OR LESS	L = WS ² / 60
45 MPH OR MORE	L = WS

WHERE: L = TAPER LENGTH IN FEET
 W = WIDTH OF OFFSET IN FEET
 S = POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH
 Source: Table 6C-4 MUTCD LATEST EDITION

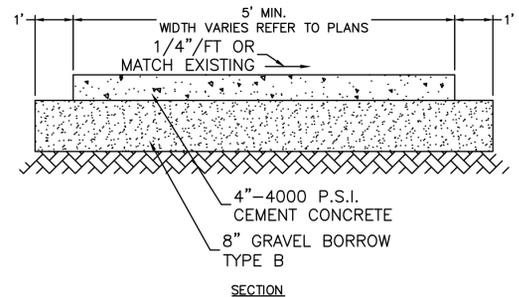
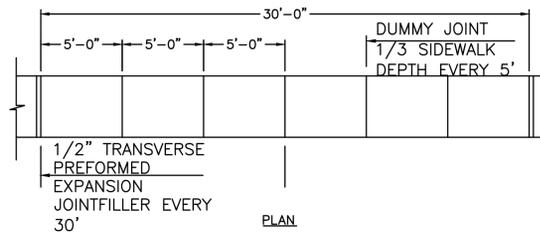
TYPICAL TAPER LENGTHS (L)

SPEED (S) IN MPH	WIDTH OF OFFSET (W) IN FT.			
	9	10	11	12
25 OR BELOW	95	105	115	125
30	135	150	165	180
35	185	205	225	245
40	240	270	295	320
45	405	450	495	540
50	450	500	550	600
55	495	550	605	660
60	540	600	660	720
65	585	650	715	780
70	630	700	770	840

massDOT Highway Division
 WORK ZONE SAFETY STANDARD DETAILS AND DRAWINGS
 TAPER GUIDANCE
 DATE OF ISSUE: 07/01/2023
 REVISIONS:
 FIGURE NO.: GEN-6

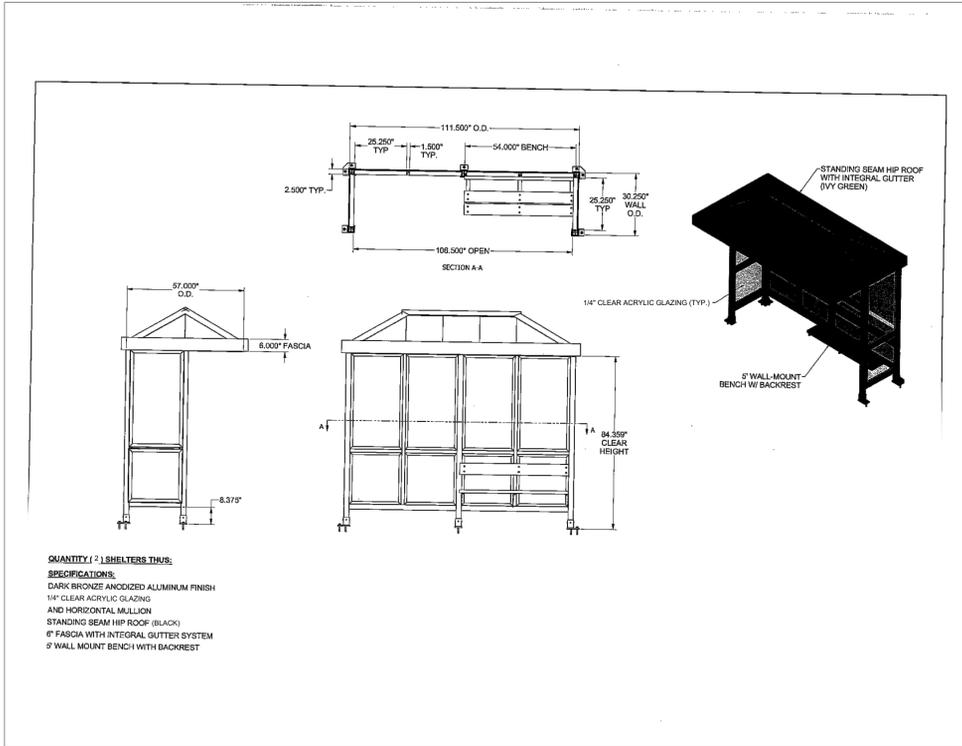
massDOT Highway Division
 WORK ZONE SAFETY STANDARD DETAILS AND DRAWINGS
 TYPICAL COMPONENTS OF A TEMPORARY TRAFFIC CONTROL SETUP
 DATE OF ISSUE: 07/01/2023
 REVISIONS:
 FIGURE NO.: GEN-7

DESIGNER REVIEWER
 DATE
 No.
 DESCRIPTION
 SEAL
 SCALE: HORZ.: NOT TO SCALE VERT.:
 DATUM: HORZ.: VERT.:
FUSS & O'NEILL
 1550 MAIN STREET, SUITE 400
 SPRINGFIELD, MA 01103
 413.482.0446
 www.foss.com
 TOWN OF MONTAGUE
 TEMP. TRAFFIC MANAGEMENT PLANS
 FRTA - INDUSTRIAL BLVD/MILLERS FALLS RD
 BUS STOP IMPROVEMENTS MASSACHUSETTS
 MONTAGUE
 PROJ. No.: 20240059.A10
 DATE: AUGUST 2024
CT-104



- NOTES:**
1. PROVIDE DEEP DUMMY JOINT EVERY 5' (1/3 DEPTH OF SLAB)
 2. REPLACE 1/2" EXPANSION JOINT IF EXISTING JOINT FALLS WITHIN RECONSTRUCTION.
 3. SMOOTH TROWEL EDGE, MARGINS, JOINTS TYP.
 4. MEDIUM BROOM FINISH, DIRECTION OF FINISH TO BE PERPENDICULAR TO THE LONGITUDINAL DIRECTION OF PAVEMENT: UNLESS, OTHERWISE NOTED ON PLANS. REFLECTANCE RATING OF 0.3 MINIMUM

6 STANDARD CONCRETE SIDEWALK—NO REINFORCEMENT
SCALE: N.T.S.



7 PEDESTRIAN BUS SHELTER
SCALE: N.T.S.

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DATE	
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SCALE:	HORZ.: NOT TO SCALE
	VERT.:
DATUM:	HORZ.: -
	VERT.:
FUSS & O'NEILL 1550 MAIN STREET, SUITE 400 SPRINGFIELD, MA 01103 413.452.0446 www.fossob.com	
TOWN OF MONTAGUE CONSTRUCTION DETAILS FRTA - INDUSTRIAL BLVD/MILLERS FALLS RD BUS STOP IMPROVEMENTS MASSACHUSETTS MONTAGUE	
PROJ. No.: 20240059.A10 DATE: AUGUST 2024	
CD-502	



Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 26

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited request for Winter 2024 Special Town Meeting

Department: Selectboard/Planning Submitted by: Christopher Nolan-Zeller

Item/Project Cost: \$91,200 Date Prepared: January 27, 2025

Item/Project Title: Montague Center Complete Streets Design

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$91,200**, or any other amount, for the purpose of final design, project specifications, and bid documents/bid tabs for the Montague Center Complete Streets projects, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

The Town applied for and was awarded the sum of \$499,682.80 from MassDOT's Complete Streets program to support three improvements in Montague Center. These include North Street/Main Street/Town Common improvements, bicycle accommodations on Main Street, and improvements at the FRTA bus stop on Main Street in Montague Center. While the grant is eligible to fund construction phase services, including administration and oversight, other necessary expenses must come from other sources.

The Town has received a quote to provide the additional services that are necessary for the projects to move forward. Items that require funding include Final Design (\$74,400), Project Specifications (\$6,400), and Bid Documents and Bid Tabs (\$10,400), totaling \$91,200.

Scoping Questions

Yes

No

Please elaborate in the comments box at bottom of the page

Do you have a written estimate or proposal for the scope of work?

If yes, attach the estimate

Is there a lease option for this expense?

Will this item or project replace a capital asset?

Will this create ongoing costs or savings?

Will this leverage grant or other external funding?

Is this request identified on the Capital Improvement Plan?

Describe how the project/ purchase will be managed

Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?

The Town will contract with the engineering firm VHB, who assisted the Town in the development of its successful Complete Streets application, and who have agreed to provide construction administrative and oversight services. No need for grant-ineligible outside services is anticipated beyond what is included in VHB's 1/15/25 proposal to the Town. The Assistant Town Administrator will serve as the Town's project manager.

Why is it essential that the Town makes this investment now?

Make your argument for why this project is necessary and timely. Articulate the benefits of the project. If necessary, describe the consequences of inaction.

The substantial award from MassDOT for these three projects in Montague Center presents a rare opportunity to leverage outside resources for improving vehicular, pedestrian, and bicyclist safety in the village center. Allowing these projects to advance presents significant cost savings as compared to the Town relying on its own capital funds to cover nearly \$500,000 worth of construction costs on these essential improvements. This area has been the subject of several discussions related to local traffic safety in recent years, with community input identifying traffic calming and bike/pedestrian safety improvements in this neighborhood as top priorities.

Relative Priority : Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important

O

O

XOX

Comments and additional information:



Maura Healey, Governor
Kimberley Driscoll, Lieutenant Governor
Monica Tibbitts-Nutt, Secretary & CEO
Jonathan L. Gulliver, Highway Administrator



January 14, 2025

Maureen Pollock
Town Planner
1 Avenue A
Montague, MA 01376

Via email: mpollock@montague-ma.gov

Dear Maureen Pollock:

Thank you for your Tier 3 submission to the Complete Streets Funding Program during Round 2 of the Fiscal Year 2025 application solicitation. We received many applications and had a very competitive application pool from which to select. I am pleased to notify you that Montague's application has been approved for \$499,682.80.

Awarded municipalities will enter into a contract with MassDOT for the completion of approved work. A member of the Community Grants Group will reach out shortly to gather all necessary information to begin the contracting process. It is anticipated that the Notice to Proceed (NTP) will be issued by April 1, 2025, and the deadline for construction will be December 31, 2026. MassDOT-funded work may not proceed until the NTP is issued.

Please note that as detailed in the Program Guidance, design is not an eligible grant cost. Design work for this project may begin at any time and must be completed by a MassDOT Prequalified Contractor. Construction funds awarded through this program are paid via the reimbursement of approved costs. Reimbursement requests are processed by your District State Aid Engineer in the same manner as Chapter 90 projects on Grant Central.

Please email CompleteStreetsProgram@dot.state.ma.us with questions related to this award. Thank you for your commitment to improving safety, access, and mobility for all roadway users in your community and for your participation in the Complete Streets Funding Program. MassDOT looks forward to working with you on this important project.

Sincerely,

Jonathan L. Gulliver
Highway Administrator

cc: Kristen Rebelo, MassDOT Community Grants Program Administrator
Patricia Leavenworth, MassDOT District 2 Highway Director
Walter Ramsey, Montague Town Administrator



Engineers | Scientists | Planners | Designers

One Federal Street, Building 103-3B, Springfield, Massachusetts 01105

P 413.747.7113 F 413.747.0916 www.vhb.com

Client Authorization

New Contract

Date: January 15, 2025

Amendment No.

Project No. 87437.24

Project Name: Montague Complete Streets Design

To: Maureen Pollock
Town Planner
Town of Montague
1 Avenue A
Turners Falls, MA 01376

Email: mpolluck@montague-ma.gov

Phone No: (413) 863-3200

Estimated Date of Completion: Eighteen (18) months from notice to proceed

	Cost Estimate	
	Amendment	Contract Total
Labor		\$151,400.00
Expenses		
TOTAL		\$151,400.00

- Lump Sum Time & Expenses
 Cost + Fixed Fee Labor Multiplier

At the request of the Town of Montague (the "Town"), VHB is providing this proposal for professional engineering services for the final design and part-time construction phase services for three (3) Complete Streets projects. The project sketches for these projects were prepared under a Complete Streets Review contract with the Town dated July 29, 2024. The following scope will advance the design of these sketches and will consist of survey, final design, preparation of final bid documents and part-time construction phase services; permitting is not anticipated nor included.

PROJECT LOCATIONS

The project locations are based on the sketches VHB completed as part of the previous Complete Streets contract with the town. These sketches were submitted with the October 1, 2024, grant application and will be used as the basis for this scope of services. The following summarizes the three (3) project locations:

- 1.) Tier 2 Complete Street Project Priority #26 - North Street/Main Street/Town Common Improvements
- 2.) Tier 2 Complete Street Project Priority #33 - Bicycle Accommodations on Main Street
- 3.) Tier 2 Complete Street Project Priority #34 - Improvements at the FRTA Bus Stop on Main Street in Montague Center

Task 1 – Survey and Base Plan Development

VHB will coordinate with a local (in Palmer) MassDOT qualified surveyor (Hancock Associates, previously Sherman Frydryk, LLC) to prepare an existing conditions base plan for the three (3) Project locations. The following summarizes the goal of survey for each project:

- The surveyed base plan for Project Priority #26 and #34 will obtain ground surface features, underground utilities based on record and field observed information, rim and inverts of storm and sanitary sewer structures, approximate right-of-way locations, spot grades and existing contours will be developed.
- Survey obtained for Project Priority #33 will be limited to features within the roadway curb to curb, line painting, and visible surface utility structures. This is proposed as a cost saving measure since the work will be limited to the removal and installation of pavement markings and signage only.
- A section of North Street between Main Street and Center Street that is not part of the three (3) projects will also be surveyed to obtain right-of way lines, pavement markings, surface utilities and sidewalk

location. The purpose of this is to complete the right-of-way layout for the Common and abutting roadways and provide a seamless transition between the proposed improvements and existing conditions. This information can also be used by the Town for future projects and improvements since this area has not been documented.

The Hancock Associates survey scope is attached to this Agreement for more details. Under this task VHB has budgeted time to conduct a field walk to review existing conditions base plans prepared by Hancock Associates and the surrounding area prior to advancing final design. The improvements for these three (3) locations assume that construction will be within the existing Town Layout so it is anticipated that right-of-way (easements, takings, or other) will not be need. It is assumed the town will work with abutters to advise on the potential work to be completed outside the roadway layout (such as grading or other tie ins), this includes right-of-entries or other information to document approval.

Task 2 – Montague Historical Commission Coordination

The project area encompassing the three (3) projects is within the Montague Center Historic District. The Montague Village Common is identified on the National Register of Historic Places (NRHP) and is identified as Article 97 land owned by the Town. The improvements propose extensions of the Common's grass area at the apex of the Main Street intersections with Center Street and North Street to accommodate new crosswalks. Proposed new curbing and re-establishing the deteriorated grass area along the south side of Center Street (north side of the Common) will help protect the Montague Village Common Watering Trough also identified on the NRHP. The Montague Village Common War Memorial within the Common will not be impacted by the proposed improvements. These improvements are not anticipated have adverse effects to the historical characteristics of the Common and are assumed to be considered acceptable on this land. The buildings along Main Street, Center Street and North Street are listed on the NRHP, and the proposed design is not anticipated to impact this area.

VHB will assist Town Staff in coordinating with the local Historic Commission. VHB will attend meetings, make minor adjustments to the design based on comments received from the Historic Commission. VHB anticipating having to identify improvements that may need approval from the commission such as ornamental traffic signal post bases, material type for sidewalk, and colors of pedestrian detectable warning panels. VHB will provide photos and specifications for up to four (4) items within the project limits that fall under the jurisdiction of the commission. If an application needs to be prepared for commission approval, VHB has assumed that the town will prepare any applications needed with the information provided by VHB.

VHB has budgeted one (1) virtual meeting with Town staff and one (1) virtual meeting with the Montague Historical Commission with up to two (2) VHB staff in attendance. VHB has not budgeted for coordinating with the Massachusetts Historic Commission (MHC) or other Agencies that may have jurisdiction within the project area. Color 2D or 3D renderings are not anticipated to be needed and therefore are not included in this Agreement.

Task 3 – Final Design

Using the existing conditions surveyed base plan from Task 1, and the conceptual sketches that were prepared by VHB, final design plans will be provided for the three (3) locations. Plans will provide general information, details, and notes to construct the project. Since the three locations are connected and two of them overlap, the design will be prepared and bid as one (1) project. The plans will incorporate critical information such as spot grading, designed pedestrian curb ramps, raised crosswalks, new curb locations and the design of one (1) transit shelter pad where related amenities will be placed. The rectangular rapid flashing beacons (RRFBs) proposed will be solar powered, the feasibility of solar power will be coordinated with a vendor at this stage. If solar power is not feasible, and the design needs to accommodate electrical power, an Amendment to this Agreement will be required.

Plans will be presented in a format using 24"x36" sheets and plans will be prepared at a 1"=20' scale. VHB will update the previously prepared itemized construction cost estimates. There will be three (3) estimates prepared and then combined into one (1) for bidding purposes. Combining the three will occur under Task 4. VHB will submit the design to the Town for review and VHB will address agreed upon comments before finalizing the design.

Three (3) virtual meetings are budgeted with the Town to review plan progress prior to finalizing this task, up to two (2) VHB staff in attendance.

Task 4 – Project Specifications

VHB will prepare project related special provisions based on the latest editions of the MassDOT Standard Specifications for Highways and Bridges and Supplemental Specifications for the appropriate items in the itemized estimate. Special provisions are anticipated to be drafted for a specific or unique activity that needs to be performed by the contractor.

VHB will also combine the itemized estimate prepared in Task 3 above. Finally, VHB will perform a final internal review of the plans, specifications, and estimate.

Task 5 – Bid Documents and Bid Tabs

This task anticipates that the town will compile the bid package utilizing the above task deliverables prepared by VHB. It is also expected that the town will coordinate the bidding process, advertisement, issuance of plans, issuance of addendum, and will award the project. VHB will assist the Town in this process and more specifically provide the following:

- Final bid documents with plans and specifications that address agreed upon comments from the town.
- Bid tabs using the items in the construction cost estimate. VHB will coordinate combining the items from each of the project cost estimates into one bid tab and identify if add alternatives need to be coordinated due to budget constraints. VHB is budgeting for up to two (2) add alternates in the bid package in the event that the final construction cost estimate is higher than the preliminary.
- Provide support to the town once the project is out to bid (budget 21 hours):
 - Review/answer questions from contractors related to VHB's design during bidding.
 - Provide specifics to the town related to VHB's design for town issuance of addendum(s).
 - Review high and low bids received by the town and make recommendation of award.

Task 6 – Construction Phase Services (Part-Time)

VHB will provide part-time construction phase services. It is anticipated that construction will take no more than four (4) months. Limitation of Responsibilities: VHB will not supervise or have control over site safety and the Contractor's safety precautions or programs in connection with the work, nor for the Contractors' work, construction ways, means, methods, techniques, sequences or procedures selected by the Contractors in connection with the Work. VHB will not be responsible for the acts or omissions of any Contractor, or of any subcontractor or supplier, or any of the Contractor(s), or subcontractor's or supplier's agents or employees, or any other persons (except VHB's own employees and agents) at the site or otherwise furnishing or performing any of the Contractor(s)'s work. VHB has budgeted 172 hours for the following:

- Review up to five (5) Highway Shop Drawings.
- Review Request for Information (RFI) from the contractor. VHB has budgeted for up to four (4) RFIs.

- Attend the following four (4) meetings with up to two (2) VHB staff in attendance.
 - One (1) in-person Pre-Construction Meeting.
 - Two (2) virtual meetings with the Town to answer questions and review construction status.
 - One (1) in-person meeting is budgeted to close out the project with the town and the contractor.
- Perform one field visit bi-weekly to conduct field checks during construction reviewing the contractor's progress. This is not full-time (daily) construction observations, and each field visit is anticipated to take no more than two (2) hours. VHB will use these limited field visits to coordinate with the town and document the construction progress. The timing of these meetings with the contractor will need to be coordinated.
- Perform one (1) traffic signal and Rectangular Rapid Flashing Beacon (RRFB) Inspection.
- Develop a punch list letter summary for the town and contractor once the project is substantially complete.

SERVICES NOT INCLUDED

The following services are not anticipated and, therefore, not included in this proposal at this time:

- As-built survey or updates to the design plans post construction.
- Pavement testing (cores, test pits, probes, etc.) and/or pavement design.
- Abutter coordination or outreach meetings for the work to be performed.
- Full-time construction phase services.
- Requesting and obtaining State prevailing wages.
- Evaluate conditions or design of retaining walls, fencing, bridges, bollards, or other structural aspects.
- Design and sizing of storm and sanitary sewer mains. Minor drainage work proposed will tie into the existing roadway drainage system.
- Coordination of hearings for tree removals or other permitting associated with the proposed improvements.
- Right-of-Way (ROW) plans will not be prepared. Work will be proposed within the existing Town ROW to the maximum extent practicable. If this changes, VHB will advise during Task 2, as the survey will confirm property boundaries vs. the proposed improvements.
- Alterations to the roadway layouts will not be developed. It is assumed that the extension of the grassed area at the Main Street and Center Street intersection will be done within the existing roadway layout and not require new property bounds for the Town Common.
- Article 97 permitting and coordination of any kind, coordination with the Massachusetts Historical Commission, or the National Register of Historic Places (NRHP).
- Subsurface Utility Engineering (SUE) level A and B will not be collected as part of this project.
- Design reviews will be conducted only by the Town and there will be no reviews or involvement by the Massachusetts Department of Transportation (MassDOT) or other state or federal agency.
- Electrical design for traffic control device connections.
- Testing for or disposal calculations for contaminated soils.
- Police protection services.

Should services be required in these areas, or areas not previously described, VHB will provide a proposal or Amendment, at the Town's written request, that contains the Scope of Services, Compensation, and Schedule to complete the unanticipated services.



COMPENSATION FOR VHB SERVICES

- VHB will perform the Scope of Services contained in this Agreement on a Lump Sum fee basis which includes expenses. The Limit for Labor and Expenses for this Scope of Services is \$ 151,400.00, allocated approximately as follows:

	Labor Fees
Task 1 – Survey and Base Plan Development	\$ 18,800.00
Task 2 – Montague Historical Commission Coordination	\$ 6,800.00
Task 3 – Final Design	\$ 74,400.00
Task 4 – Project Specifications	\$ 6,400.00
Task 5 – Bid Documents and Bid Tabs	\$ 10,400.00
Task 6 – Construction Phase Services (Part-Time)	\$ 33,600.00
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TOTAL CONTRACT VALUE:	\$ 151,400.00

Costs for expenditures made specifically for this project such as printing and copies, travel and mileage, and shipping/postage are included with the tasks above.

- The total Lump Sum Fee for services rendered in Tasks 1 thru 6 (as stated above) will be invoiced monthly as a percentage of completion.
- VHB will not exceed the total estimated Lump Sum Fee or estimated direct costs as stated herein without the written approval of the Town.
- The schedule is dependent upon when survey is completed (weather dependent), the project is advertised by the Town and then awarded, and on the contractor's schedule to build the project. VHB estimates 12 to 18 months.
- The fees in this proposal may be subject to change if not accepted within 60 days from the date of issue.

Prepared by: James J Czach, PE
 Reviewed By: MJC

Document Approval: Robert Penfield, PE

Please execute this Client Authorization for VHB to proceed with the above scope of services at the stated estimated costs. No services will be provided until it is signed and returned to VHB.

Subject to attached terms & conditions

Subject to terms & conditions in our original agreement dated

VANASSE HANGEN BRUSTLIN, INC. AUTHORIZATION

CLIENT AUTHORIZATION (Please sign original and return)

By: _____

By: _____

Print: _____

Print: _____

Title: _____

Title: _____

Date: _____

Date: _____