

PW 15: TRANSFER STATION SOLID WASTE TRAILER

Moved from FY30 to FY28 as the trailer is used to haul solid waste to the Millbury incinerator each week and the structural integrity has diminished. The trailer has been repaired multiple times however rust is now very prevalent in multiple areas.

PW 19: LARGE SNOWBLOWER

Moved from FY27 to FY30 as the SnoGo Snowblower is used for the center of town cleanup and widening roads during large, heavy snowstorms. As the winters have not produced extreme snowstorms in the past few years, we are chancing that the Snowblower can be pushed to make room for more pertinent vehicles and equipment.

PW 20: FORD F550

Moved from FY27 to FY28 to make room for the new Sweeper.

PW 24: SWEEPER

Moved from FY28 to FY27 as the Sweeper is a front line piece of equipment used almost every day besides the winter months. The town is swept multiple times per year to collect debris from the roadways as not to allow it to enter into our drainage basins and waterways, and to be in compliance with MS4 stormwater regulations.

TOWN OF MEDFIELD: FY2027 CAPITAL REQUEST DETAILS

Department/Division:	Public Works
Capital Project/Purchase Title:	Highway Dump Trailer
Requested Funding Amount:	80,000
Expected Life Cycle:	20 years
Priority:	High

Request Reasoning	<input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (prior request not funded) <input type="checkbox"/> Recurring <input checked="" type="checkbox"/> Replacement of existing equipment
(check all those that apply)	

Request Purpose	<input type="checkbox"/> Rehabilitates obsolete assets <input checked="" type="checkbox"/> Address assets at end of life cycle (new Equipment) <input type="checkbox"/> Reduces future investment/maintenance needs <input type="checkbox"/> Public health/safety needs <input type="checkbox"/> Increase Efficiency <input type="checkbox"/> Alleviate/prevent service disruptions <input type="checkbox"/> Leverages state/federal grant funds (matching funds, etc.) <input type="checkbox"/> Compliance with law/mandate
(check all those that apply)	

Request Funding Source	<input type="checkbox"/> Debt <input type="checkbox"/> Grant <input type="checkbox"/> Enterprise Fund <input checked="" type="checkbox"/> Capital Stabilization Fund <input type="checkbox"/> Revolving Fund <input type="checkbox"/> Free Cash <input type="checkbox"/> Tax Levy <input type="checkbox"/> Other: _____
(check all those that apply)	

Description:

Public Works is requesting the replacement of its 1988 Dorsey Dump Trailer. The trailer is used in multi-disciplinary operations. For most of the year, it is used for hauling materials such as sand, gravel, loam and brush and during winter months it is heavily used for snow removal.

Benefits of Project and Impact if Not Completed:**Benefits of the Project**

By purchasing the new trailer, the Town can continue to haul multiple types of materials for roadway work, property maintenance and project site work. When clearing snow in the center of town during snowstorms it is a vital piece of equipment to remove snow.

Implications of Not Completing the Project

If the purchase is not completed, the Town can expect more maintenance costs to repair the current trailer and pay multiple contractors for hauling prices throughout the year when the trailer is not functioning.

Alternatives Considered (if any):**Operating Budget Impact:**

This project will have a positive impact on the operating budget by saving on maintenance costs and reducing trucking/hauling costs.

Project Phase/Category (if applicable)	Amount
Study/Design	
Land Acquisition	
Construction	
Equipment Cost	\$80,000
Permitting	
Contingency	
Other	
TOTAL	\$80,000

Please attach purchase/project estimate to this form including pictures if applicable

If the request is for a new on-road vehicle, the request must comply with the Zero Emission First Vehicle Policy

Subj: Hale Trailer

Kevin Chabot <kchabot@medfield.net>
o: Maurice Goulet <mgoulet@medfield.net>

Thu, Jul 31, 2025 at 11:10 AM

Here is the quote for the dump trailer for 27 fiscal with pictures.

Hi Moe

Here is the quote for the dump trailer for the 2027 fiscal year, along with pictures.

Thanks,
Kevin

----- Forwarded message -----

From: **Joe Gurnick** <jgurnick@haletrailer.com>
Date: Thu, Jul 31, 2025 at 10:48 AM
Subject: Hale Trailer
To: Kevin Chabot <kchabot@medfield.net>

Kevin,

Here is 2025 East Steel dump with aluminum frame and aluminum hi lift tail gate, see spec attached and link for pictures below:

<https://photos.app.goo.gl/onGNzsSdj4jFBWmK7>

<https://photos.app.goo.gl/Ah8pibNG7V56JKpm9>

Price:\$77500

Includes Electric Flip N go Tarp and FOB Walpole, MA

Does Not Include Federal Excise Tax

Thanks

Joe Gurnick
Branch Manager

T: (774) 256-2202 | Ext: 251

M: (508) 680-6852

E: jgurnick@haletrailer.com

W: haletrailer.com

Follow us: [!\[\]\(23d9fc146e83b5c3013cfa32c784f8d5_img.jpg\)](#) [!\[\]\(f5c463b8c1554ac5049d611bd8e33a51_img.jpg\)](#) [!\[\]\(54f1390f33a36173a1b97c4b6eb40204_img.jpg\)](#) [!\[\]\(1301e78e125668a3a0cedabdef0db7f3_img.jpg\)](#) [!\[\]\(56569b83aa18fd9e11cffbd51c077de8_img.jpg\)](#)




32 Industrial Rd., Walpole, MA, 02081

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 **East 2025 steel dump al frame al hi lift tandem 023801-023804-1.pdf**
457K

TOWN OF MEDFIELD: FY2027 CAPITAL REQUEST DETAILS

Department/Division:	Public Works
Capital Project/Purchase Title:	Highway Ford F250 4x4 Pickup Truck
Requested Funding Amount:	65,000
Expected Life Cycle:	10 years
Priority:	High

Request Reasoning	<input checked="" type="checkbox"/> New
	<input type="checkbox"/> Resubmission (prior request not funded)
	<input type="checkbox"/> Recurring
(check all those that apply)	<input type="checkbox"/> Replacement of existing equipment

Request Purpose	<input type="checkbox"/> Rehabilitates obsolete assets
	<input type="checkbox"/> Address assets at end of life cycle (new Equipment)
	<input type="checkbox"/> Reduces future investment/maintenance needs
	<input type="checkbox"/> Public health/safety needs
	<input checked="" type="checkbox"/> Increase Efficiency
	<input checked="" type="checkbox"/> Alleviate/prevent service disruptions
	<input type="checkbox"/> Leverages state/federal grant funds (matching funds, etc.)
(check all those that apply)	<input type="checkbox"/> Compliance with law/mandate

Request Funding Source	<input type="checkbox"/> Debt
	<input type="checkbox"/> Grant
	<input type="checkbox"/> Enterprise Fund
	<input checked="" type="checkbox"/> Capital Stabilization Fund
	<input type="checkbox"/> Revolving Fund
	<input type="checkbox"/> Free Cash
	<input type="checkbox"/> Tax Levy
(check all those that apply)	<input type="checkbox"/> Other

Description:

Public Works is requesting a new 2026 Ford F250 4x4 pickup truck. With the creation of a Grounds Division, Public Works hired a Grounds employee to maintain properties that were added to the Public Works operation. To satisfy these tasks, a vehicle was given to the new Division leaving a need to add a new vehicle into the existing fleet.

Benefits of Project and Impact if Not Completed:

Benefits of the Project

By purchasing the new 4x4 pickup truck, the Town can continue to provide expected services especially during winter snow and ice operations.

Implications of Not Completing the Project

If the purchase is not completed, the Division would not be able to provide the newly formed Division with a vehicle to trailer equipment to and from properties across the Town.

Alternatives Considered (If any):

Operating Budget Impact:

The Impact to the operating budget would be minimal with preventative maintenance being conducted.

Project Phase/Category (if applicable)	Amount
Study/Design	
Land Acquisition	
Construction	
Equipment Cost	\$65,000
Permitting	
Contingency	
Other	
TOTAL	\$65,000

Please attach purchase/project estimate to this form including pictures if applicable

If the request is for a new on-road vehicle, the request must comply with the Zero Emission First Vehicle Policy

TOWN OF MEDFIELD: FY2027 CAPITAL REQUEST DETAILS

Department/Division:	Public Works
Capital Project/Purchase Title:	Pavement Management
Requested Funding Amount:	185,000
Expected Life Cycle:	15 years
Priority:	High

Request Reasoning	<input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (prior request not funded) <input type="checkbox"/> Recurring <input type="checkbox"/> Replacement of existing equipment
<i>(check all those that apply)</i>	

Request Purpose	<input checked="" type="checkbox"/> Rehabilitates obsolete assets <input type="checkbox"/> Address assets at end of life cycle (new Equipment) <input checked="" type="checkbox"/> Reduces future investment/maintenance needs <input type="checkbox"/> Public health/safety needs <input type="checkbox"/> Increase Efficiency <input type="checkbox"/> Alleviate/prevent service disruptions <input type="checkbox"/> Leverages state/federal grant funds (matching funds, etc.) <input type="checkbox"/> Compliance with law/mandate
<i>(check all those that apply)</i>	

Request Funding Source	<input type="checkbox"/> Debt <input type="checkbox"/> Grant <input type="checkbox"/> Enterprise Fund <input checked="" type="checkbox"/> Capital Stabilization Fund <input type="checkbox"/> Revolving Fund <input type="checkbox"/> Free Cash <input type="checkbox"/> Tax Levy <input type="checkbox"/> Other
<i>(check all those that apply)</i>	

Description:
Public Works is requesting the continuation of pavement management funding to assist in maintaining the existing roadway network in Town. The current Chapter 90 funding for our roadway infrastructure is not sufficient to keep our Roadway Surface Rating (RSR) to our existing standards.

Benefits of Project and Impact if Not Completed:
Benefits of the Project
By receiving the additional roadway funds, the Town can at least keep status quo with the rehabilitation, reconstruction and maintenance methods.

Implications of Not Completing the Project
If the additional funding is not supplied, it can be expected that the RSR will keep dropping year to year and costs will increase as maintenance will turn into reconstruction.

Alternatives Considered (if any):

Operating Budget Impact:

This project will have a positive impact on the operating budget by reducing maintenance costs from the Highway Division and its staff.

Project Phase/Category <i>(if applicable)</i>	Amount
Study/Design	
Land Acquisition	
Construction	\$185,000
Equipment Cost	
Permitting	
Contingency	
Other	
TOTAL	\$185,000

Please attach purchase/project estimate to this form including pictures if applicable

If the request is for a new on-road vehicle, the request must comply with the Zero Emission First Vehicle Policy

TOWN OF MEDFIELD: FY2027 CAPITAL REQUEST DETAILS

Department/Division:	Public Works
Capital Project/Purchase Title:	Highway Sweeper
Requested Funding Amount:	330,000
Expected Life Cycle:	10 years
Priority:	High

Request Reasoning	<input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (prior request not funded) <input type="checkbox"/> Recurring <input checked="" type="checkbox"/> Replacement of existing equipment
<i>(check all those that apply)</i>	

Request Purpose	<input type="checkbox"/> Rehabilitates obsolete assets <input checked="" type="checkbox"/> Address assets at end of life cycle (new Equipment) <input type="checkbox"/> Reduces future investment/maintenance needs <input type="checkbox"/> Public health/safety needs <input type="checkbox"/> Increase Efficiency <input type="checkbox"/> Alleviate/prevent service disruptions <input type="checkbox"/> Leverages state/federal grant funds (matching funds, etc.) <input type="checkbox"/> Compliance with law/mandate
<i>(check all those that apply)</i>	

Request Funding Source	<input type="checkbox"/> Debt <input type="checkbox"/> Grant <input type="checkbox"/> Enterprise Fund <input checked="" type="checkbox"/> Capital Stabilization Fund <input type="checkbox"/> Revolving Fund <input type="checkbox"/> Free Cash <input type="checkbox"/> Tax Levy <input type="checkbox"/> Other _____
<i>(check all those that apply)</i>	

Description:
 Public Works is requesting the replacement of its 2016 Elgin Sweeper. The Sweeper is an integral part of our Department's operation. The Sweeper is a front line piece of equipment used almost every day besides the winter months. The town is swept multiple times per year to collect debris from the roadways as not to allow it to enter into our drainage basins and waterways, and to be in compliance with MS4 stormwater regulations.

Benefits of Project and Impact if Not Completed:
 Benefits of the Project
 By purchasing the new sweeper, the Town can continue to clear debris from the roadways to protect the waterways and remain in compliance with stormwater regulations.

Implications of Not Completing the Project
 If the purchase is not completed, the Town can expect more maintenance costs and possible breakdowns preventing roadways from being cleared and remaining in compliance.

Alternatives Considered (if any):

Operating Budget Impact:

This project will have a positive impact on the operating budget by saving on maintenance costs.

Project Phase/Category <i>(if applicable)</i>	Amount
Study/Design	
Land Acquisition	
Construction	
Equipment Cost	\$330,000
Permitting	
Contingency	
Other	
TOTAL	\$330,000

Please attach purchase/project estimate to this form including pictures if applicable

If the request is for a new on-road vehicle, the request must comply with the Zero Emission First Vehicle Policy



MUNICIPAL AND CONTRACTORS' EQUIPMENT

200 Merrimac St
Woburn MA 01801

PROPOSAL

Tel. (781) 935 1919
Fax. (781) 937 9809

To:

Date:

Town of Medfield
55 N. Meadows Rd
Medfield, MA 02052
ATTN: Kevin Chabot Fleet Supervisor

August 25, 2025

C. N. Wood is pleased to offer the following **budget** proposal through Sourcewell national procurement contract for your consideration.

Elgin Sourcewell contract number 093021-ELG

1 New Elgin Pelican NP dual street sweeper with a/c, sprung guide wheel, autolube, Color reverse camera, auto reverse broom pick up, lower roller washout, dual limb guards, sliding window curb side, am/fm/cd radio, air ride seat, painted **White**, 220 total gallons of water, on-site mechanical and operational training, service, parts and operators manuals, front and rear LED corner strobes, one year standard warranty and all other standard equipment.

SELLING PRICE.....\$312,585.00

OPTIONAL EQUIPMENT

Spare tire/rim front and rear..... \$3,860.00

5 Year Warranty - parts and labor..... \$16,995.00

Total Selling Price..... \$329,855.00

Due to the current market condition along with the on-going supply chain issues pricing subject to change without notice.

C. N. Wood is looking forward to providing the Town of Medfield with the premium Elgin products and first class service. Please do not hesitate to contact me if you have any questions or need further information regarding the Elgin products

Thank you for considering C. N. Wood for your equipment needs.

Best Regards,
Stephen M. Russell
Sales Representative

No warranties are made other than those extended by the manufacturer of the equipment, and in the event of alleged breach of warranty, expressed or implied, the liability of C. N. Wood Co., Inc., shall be limited to the liability of the manufacturer to it, and shall be subject to all limitations and conditions imposed by the manufacturer.

Seller shall not be liable for any default or delay in delivery, as a result of shipping delays, strikes, fires, lockouts, or inability to procure materials.

TOWN OF MEDFIELD: FY2027 CAPITAL REQUEST DETAILS

Department/Division:	Water
Capital Project/Purchase Title:	Water Ford F550 Dump Truck
Requested Funding Amount:	148,000
Expected Life Cycle:	12 years
Priority:	High

Request Reasoning	<input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (prior request not funded) <input type="checkbox"/> Recurring <input checked="" type="checkbox"/> Replacement of existing equipment
<i>(check all those that apply)</i>	

Request Purpose	<input type="checkbox"/> Rehabilitates obsolete assets <input checked="" type="checkbox"/> Address assets at end of life cycle (new Equipment) <input type="checkbox"/> Reduces future investment/maintenance needs <input type="checkbox"/> Public health/safety needs <input type="checkbox"/> Increase Efficiency <input type="checkbox"/> Alleviate/prevent service disruptions <input type="checkbox"/> Leverages state/federal grant funds (matching funds, etc.) <input type="checkbox"/> Compliance with law/mandate
<i>(check all those that apply)</i>	

Request Funding Source	<input type="checkbox"/> Debt <input type="checkbox"/> Grant <input checked="" type="checkbox"/> Enterprise Fund <input type="checkbox"/> Capital Stabilization Fund <input type="checkbox"/> Revolving Fund <input type="checkbox"/> Free Cash <input type="checkbox"/> Tax Levy <input type="checkbox"/> Other _____
<i>(check all those that apply)</i>	

Description:
 Public Works Water is requesting a new 2026 Ford F550 dump truck. During the year, the Water Division utilizes the dump truck for many operations including hauling material back and forth to pipe jobs, hydrant replacements, watermain breaks, and in the winter months for snowplowing.

Benefits of Project and Impact if Not Completed:
Benefits of the Project
 By purchasing the new dump truck, the Town can continue to provide expected services during the year and assist with winter snow and ice operations.
Implications of Not Completing the Project
 If the purchase is not completed, the Division would not be able to provide hauling needs and provide assistance with winter operations.

Alternatives Considered (if any):

Operating Budget Impact:

This project will have a positive impact on the operating budget by saving on maintenance costs.

Project Phase/Category <i>(if applicable)</i>	Amount
Study/Design	
Land Acquisition	
Construction	
Equipment Cost	\$148,000
Permitting	
Contingency	
Other	
TOTAL	\$148,000

Please attach purchase/project estimate to this form including pictures if applicable

If the request is for a new on-road vehicle, the request must comply with the Zero Emission First Vehicle Policy



Quote

Company/Dept:	Medfield Public Works Department	Date:	July 28, 2025
Contact:	Kevin Chabot	Quote #:	MPWD07282025
Street Address:	55 North Meadows Road	Revision #:	
City, State, Zip:	Medfield, MA 02052	Customer ID:	
Phone:	401-484-3280	Sales Rep:	PAUL G KING
E-Mail:	kchabot@medfield.net	Contract:	MAPC/GBPC/BAPERN
Job Description:	<u>F550 DUMP BUDGETARY</u>		

QTY	Item #	VEHICLE LINE DESCRIPTION	UNIT PRICE	Ext Line Total
		2026 Ford Super Duty F-550 DRW (F5H) XL 4WD Reg Cab 169" WB 84" CA		\$56,606.00
	E9	EXTERIOR COLOR: Argon Blue Metallic		
	99N	Engine: 7.3L 2V DEVCT NA PFI V8 Gas (STD)		
	44G	Transmission: TorqShift 10-Speed Automatic-inc: 10R140 w/neutral idle, SelectShift and selectable drive modes: normal, tow/haul, eco, slippery roads and off-road(STD)		
	660A	OPTION PACKAGE: Order Code 660A		
		Gross Vehicle Weight rating: 19,000 Lbs		
		Gross Combined Weight Rating: 30,000 Lbs		
	AS	SEAT TYPE: Medium Dark Slate, HD Vinyl 40/20/40 Split Bench Seat -inc: center armrest, cupholder, storage, 2-way adjustable driver/passenger headrests and driver's side manual lumbar		
	TGM	Tires: 225/70Rx19.5G BSW Traction -inc: 4 traction tires on the rear and 2 A/P tires on the front	\$190.00	\$184.30
	X8L	Limited Slip w/4.88 Axle Ratio	\$395.00	\$383.15
	86M	Dual 68 AH/65 AGM Battery	\$210.00	\$203.70
	67B	410 Amp Dual Alternators-inc: 250 Amp + 160 Amp	\$115.00	\$111.55
	52B	Trailer Brake Controller	\$300.00	\$291.00
	473	Snow Plow Prep Package-inc: pre-selected springs, Highly recommended to add (86M) dual battery on 7.3L gas engine	\$250.00	\$242.50

	68H	GVWR: 19,550 lb Payload Plus Upgrade Package 2-inc: upgraded frame, upgraded rear-axle and low deflection/high capacity rear springs, Increases max RGAWR to 14,706 lbs	\$1,155.00	\$1,120.35
	512	Spare Tire & Wheel, Jack	\$350.00	\$339.50
	18B	Platform Running Boards	\$320.00	\$310.40
	61L	Front Wheel Well Liners	\$180.00	\$174.60
	872	Rear View Camera & Prep Kit -inc: Pre-installed content includes cab wiring and frame wiring to the rear most cross member, Upfitters kit includes camera w/mounting bracket, 20' jumper wire and camera mounting/aiming instructions	\$515.00	\$499.55
	76C	Exterior Backup Alarm	\$230.00	\$223.10
Vehicle Total:				\$60,689.70
QTY	Item #	Equipment Description	UNIT PRICE	Ext Line Total
		"IROQUOIS" STAINLESS DUMP BODY 8' LONG 89" WIDE X 15" SIDES X 21" GATE		\$53,650.00
		.304 STAINLESS STEEL CONSTRUCTION THROUGHOUT (POLISHED)		
		10 GAUGE FLOOR / 11 GAUGE FRONT & SIDES		
		12 GAUGE THREE PANEL TAPER TAILGATE - STAINLESS STEEL HARDWARE W/ PRO-LATCH		
		7 GAUGE FORMED S/S CROSSMEMBERS 12" ON CENTERS		
		4" STRUCTURAL CHANNEL LONG SILLS – 5.4 LB PER FOOT		
		TWO (2) INT. ROUNDED SIDE POSTS-FRONT & REAR CORNER POST – TUBULAR BOX TOP RAIL		
		24" CAB-PROTECTOR W/ SCREEN WINDOW		
		4250 SINGLE UNDER BODY TELESCOPIC PISTON W/ SUB-FRAME		
		9 TON LIFT CAPACITY S/A SAFETY PROP / BACK-UP & BODY RAISE ALARM		
		SET OF FRONT AND REAR MUD FLAPS ALL LIGHTS AND REFLECTORS TO MEET FMVSS-108		
		HOT SHIFT PTO DRIVEN CENTRAL HYDRAULICS W/ VALVES		

		TO OPERATE DUMP / PLOW LIFT & PLOW ANGLE		
		FOLD DOWN S/S SIDES ON DUMP BODY		
		T.L. WOODS ALUMINUM L PACK INSTALLED		
		LED 404 STROBES TWO (2) IN CAB SHIELD & TWO (2) IN REAR POSTS		
		GRILL MOUNTED LED STROBES INSTALLED ON SEPARATE SWITCH		
		1/2" PLATE W/ COMBO HOOK – D-RINGS & PLUG		
		TWO (2) LED WORK LIGHTS INSTALLED IN REAR TO VIEW SPREAD		
		POLY FENDERS		
		INSTALL FACTORY SUPPLIED FORD CAMERA IN REAR		
		AERO ELECTRIC COVER W/ MESH		
		2000 WATT INVERTER W/TWO (2) BATTERIES INSTALLED IN L PACK ON PASSENGER SIDE		
		FOUR (4) SURFACE MOUNTED LED STROBES W/ GREEN/AMBER COMBINATION INSTALLED ON TRUCK STEP BRACKETS - PER PICTURE		
		VALK TH 550 QA-WP HITCH WITH S/A LIFT CYLINDER & PLOW LIGHTS		\$9,125.00
		9' VALK POLY MOLDBOARD TRIP EDGE PLOW		\$11,950.00
		2 PIECE RAINGUARDS		\$130.00
		WEATHERTECH FLOORLINERS		\$150.00
Contract Equipment Total:				\$75,005.00
QTY	Item #	NON-CONTRACT EQUIPMENT LINE DESCRIPTION	UNIT PRICE	Ext Line Total
		Estimated 2027 Model Year Increase for Budgeting Purposes (Varies per vehicle)		\$6,000.00
		Estimated Equipment Increase for Budgeting Purposes (10% of quoted equipment)		\$5,850.00
		DELIVERY OF VEHICLE TO CUSTOMER @ \$4.00 MILE- WILL BE DEDUCTED IF VEHICLE PICKED UP BY CUSTOMER		\$150.00
Non-Contract Equipment Total:				\$12,000.00
Vehicle and Equipment Total:				\$147,694.70
Vehicle Quantity:				1

			Sub total:	\$147,694.70
Trade Description	Trade VIN	Trade Miles	Trade Value	
			Trade Vehicle/s Total:	\$0.00
			Quote Grand Total:	\$147,694.70

TERMS AND CONDITIONS

Custom or Special Orders are Non-Refundable

This Quote is for Budgetary Purposes and is Not a Guarantee of Cost for Services

Quote is Based on Current Information From Client About the Project Requirments

Actual Cost May Change Once Project Elements are Finalized

Trade value is subject to change based on time, mileage and condition of vehice at turn-in

ORDER ACKNOWLEDGEMENT

By signing this document you are agreeing to the above terms and conditions of this order from McGovern MHQ, Inc.

x

PRINT NAME

x

TITLE

x

SIGNATURE

TOWN OF MEDFIELD: FY2027 CAPITAL REQUEST DETAILS

Department/Division:	Sewer/WWTP
Capital Project/Purchase Title:	Gravity Belt Thickener
Requested Funding Amount:	420,000
Expected Life Cycle:	25 Years
Priority:	High

Request Reasoning	<input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (prior request not funded) <input type="checkbox"/> Recurring <input checked="" type="checkbox"/> Replacement of existing equipment
<i>(check all those that apply)</i>	

Request Purpose	<input type="checkbox"/> Rehabilitates obsolete assets <input checked="" type="checkbox"/> Address assets at end of life cycle (new Equipment) <input type="checkbox"/> Reduces future investment/maintenance needs <input type="checkbox"/> Public health/safety needs <input checked="" type="checkbox"/> Increase Efficiency <input type="checkbox"/> Alleviate/prevent service disruptions <input type="checkbox"/> Leverages state/federal grant funds (matching funds, etc.) <input type="checkbox"/> Compliance with law/mandate
<i>(check all those that apply)</i>	

Request Funding Source	<input type="checkbox"/> Debt <input type="checkbox"/> Grant <input checked="" type="checkbox"/> Enterprise Fund <input type="checkbox"/> Capital Stabilization Fund <input type="checkbox"/> Revolving Fund <input type="checkbox"/> Free Cash <input type="checkbox"/> Tax Levy <input type="checkbox"/> Other
<i>(check all those that apply)</i>	

Description:
 Public Works Sewer/WWTP is requesting the replacement of the Gravity Belt Thickener at the Wastewater Treatment Plant (WWTP). The Gravity Belt Thickener is a continuous-operation machine used in wastewater treatment to reduce sludge volume by using gravity to drain water through a moving, porous belt, resulting in a more concentrated, pumpable sludge.

Benefits of Project and Impact if Not Completed:
 Benefits of the Project
 By funding the Gravity Belt Thickener it will dewater pumpable sludge and reduce the amount of sludge that needs to be hauled away saving costs.
 Implications of Not Completing the Project
 If funding is not completed, the Town can expect to pay for increased quantities of sludge for removal

Alternatives Considered (if any):

Operating Budget Impact:

This project will have a positive impact on the operating budget by saving on reduced removal costs.

Project Phase/Category <i>(if applicable)</i>	Amount
Study/Design	
Land Acquisition	
Construction	
Equipment Cost	\$420,000
Permitting	
Contingency	
Other	
TOTAL	\$420,000

Please attach purchase/project estimate to this form including pictures if applicable

If the request is for a new on-road vehicle, the request must comply with the Zero Emission First Vehicle Policy

Budget Price & Equipment Recommendation Sludge Thickening Equipment

Project Medfield, MA

Date: 8/28/24

Engineer: Weston & Sampson

K-S Project No: MWT-9062

Process Conditions

Type of Sludge	WAS
Sludge Feed Concentration	0.5%
Pounds of Dry Solids/Hr	312 – 625 lbs/hr (per spec from Job S-4055)

Equipment Sizing

Expected Loading Rate	625 lbs/hr
Expected Thickening Solids	4 – 6%
Polymer Demand (Active)	6 – 10 lbs/ton DS

Recommended Equipment and Budget Price:

One (1) GSC-1.5 Series III Gravabelt - \$316K

Price Includes:

- Gravabelt with Hydraulic Tensioning & Steering
- Hydraulic Power unit Press Mounted & Pre Piped & Wired
- Polymer Injector and Mixing Valve
- Washwater Booster Pump
- K-S Standard PLC Based Electrical Control Panel With OIT
- 6-Days Start-up Service in Two Trips
- Standard Spare Parts
- Freight

TOWN OF MEDFIELD: FY2027 CAPITAL REQUEST DETAILS

Department/Division:	Water
Capital Project/Purchase Title:	Water Laterals Replacement
Requested Funding Amount:	160,000
Expected Life Cycle:	30 Years
Priority:	High

Request Reasoning	<input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (prior request not funded) <input type="checkbox"/> Recurring <input checked="" type="checkbox"/> Replacement of existing equipment
<i>(check all those that apply)</i>	

Request Purpose	<input type="checkbox"/> Rehabilitates obsolete assets <input checked="" type="checkbox"/> Address assets at end of life cycle (new Equipment) <input checked="" type="checkbox"/> Reduces future investment/maintenance needs <input checked="" type="checkbox"/> Public health/safety needs <input type="checkbox"/> Increase Efficiency <input checked="" type="checkbox"/> Alleviate/prevent service disruptions <input type="checkbox"/> Leverages state/federal grant funds (matching funds, etc.) <input type="checkbox"/> Compliance with law/mandate
<i>(check all those that apply)</i>	

Request Funding Source	<input type="checkbox"/> Debt <input type="checkbox"/> Grant <input checked="" type="checkbox"/> Enterprise Fund <input type="checkbox"/> Capital Stabilization Fund <input type="checkbox"/> Revolving Fund <input type="checkbox"/> Free Cash <input type="checkbox"/> Tax Levy <input type="checkbox"/> Other _____
<i>(check all those that apply)</i>	

Description:
 Public Works Water is requesting the replacement of water laterals from the existing water main to the property lines of the residents adjacent to the newly planned sidewalk construction project on Pleasant Street. The Town has earmark funding to install a new sidewalk down Pleasant Street. It would be in the best interest to replace the water laterals prior to the sidewalk being installed.

Benefits of Project and Impact if Not Completed:
 Benefits of the Project
 By funding the water laterals replacement, it would improve water quality as well as not to damage the new sidewalk when this work would take place in the near future.
 Implications of Not Completing the Project
 If funding is not completed, the Town can expect to replace sections of a newly installed sidewalk.

Alternatives Considered (if any):

Operating Budget Impact:
 This project will have a positive impact on the operating budget by saving on maintenance costs.

Project Phase/Category <i>(if applicable)</i>	Amount
Study/Design	
Land Acquisition	
Construction	\$160,000
Equipment Cost	
Permitting	
Contingency	
Other	
TOTAL	\$160,000

Please attach purchase/project estimate to this form including pictures if applicable

If the request is for a new on-road vehicle, the request must comply with the Zero Emission First Vehicle Policy

TOWN OF MEDFIELD: FY2027 CAPITAL REQUEST DETAILS

Department/Division:	Water
Capital Project/Purchase Title:	Watermain Replacement Engineering
Requested Funding Amount:	90,000
Expected Life Cycle:	N/A
Priority:	Moderate

Request Reasoning	<input type="checkbox"/> New <input type="checkbox"/> Resubmission (prior request not funded) <input type="checkbox"/> Recurring <input checked="" type="checkbox"/> Replacement of existing equipment
<i>(check all those that apply)</i>	

Request Purpose	<input type="checkbox"/> Rehabilitates obsolete assets <input checked="" type="checkbox"/> Address assets at end of life cycle (new Equipment) <input checked="" type="checkbox"/> Reduces future investment/maintenance needs <input checked="" type="checkbox"/> Public health/safety needs <input type="checkbox"/> Increase Efficiency <input checked="" type="checkbox"/> Alleviate/prevent service disruptions <input type="checkbox"/> Leverages state/federal grant funds (matching funds, etc.) <input type="checkbox"/> Compliance with law/mandate
<i>(check all those that apply)</i>	

Request Funding Source	<input type="checkbox"/> Debt <input type="checkbox"/> Grant <input checked="" type="checkbox"/> Enterprise Fund <input type="checkbox"/> Capital Stabilization Fund <input type="checkbox"/> Revolving Fund <input type="checkbox"/> Free Cash <input type="checkbox"/> Tax Levy <input type="checkbox"/> Other
<i>(check all those that apply)</i>	

Description:
 Public Works Water is requesting the engineering for the replacement of watermain within the drinking water distribution system. The Town had done a study of the system and developed a hydraulic model that helped identify inefficiencies in hydrant flow and watermain replacement candidates.

Benefits of Project and Impact if Not Completed:
Benefits of the Project
 By funding the engineering, we will be able to get these important projects shovel-ready for replacement to improve water quality and fire protection.

Implications of Not Completing the Project
 If funding is not completed, the Town can expect future water quality issues and deteriorating fire flow protection.

Alternatives Considered (If any):

Operating Budget Impact:

This project will have a positive impact on the operating budget by saving on maintenance costs.

Project Phase/Category <i>(if applicable)</i>	Amount
Study/Design	\$90,000
Land Acquisition	
Construction	
Equipment Cost	
Permitting	
Contingency	
Other	
TOTAL	\$90,000

Please attach purchase/project estimate to this form including pictures if applicable

If the request is for a new on-road vehicle, the request must comply with the Zero Emission First Vehicle Policy