

**TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM-FY 2023-2027**

	DEPARTMENT/ AGENCY:	Waterford Fire Department						
DEPT PRIORITY	PROJECT NAME	FUNDING SOURCE	FISCAL YEAR 2022-2023	FISCAL YEAR 2023-2024	FISCAL YEAR 2024-2025	FISCAL YEAR 2025-2026	FISCAL YEAR 2026-2027	TOTAL
1	Cohanzie Emergency Generator	1	85,000					85,000
2	Jordan Window replacment	1	60,000					60,000
3	Jordan Flooring Replacment	1	40,000					40,000
4	Jordan meeting room ceiling & Lighting	6	35,000					35,000
5	Oswegotchie Station Replacment	6		4,000,000				4,000,000
6	Quaker Hill Flat Roof replacement	6				30,000		30,000
7	Equipment Replacment Plan	6 & 7	75,000					75,000
8	Goshen Bay Flooring Coating	6		45,000				45,000
9	Quaker Hill Bay Flooring	6			50,000			50,000
10	Goshen Flooring Replacement	6		15,000				15,000
								0
								0
	TOTALS		295,000	4,060,000	50,000	30,000	0	4,435,000

INDEX TO FUNDING SOURCES.

- 1 CURRENT YEAR CAPITAL IMPROVEMENTS
- 2 UTILITY BUDGET/SEWER CAPITAL MAINTENANCE FUND
- 3 TRANSFER TO CAPITAL & NONRECURRING.
- 4 SHORT AND LONG TERM DEBT FINANCING
- 5 LoCIP
- 6 CNR UNDESIGNATED FUND BALANCE
- 7 FEDERAL/STATE GRANTS
- 8 OTHER FUNDING

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY

Fire Services

CONTACT PERSON

Chief Michael J. Howley

PROJECT NAME

Jordan Fire Station Windows Replacment

DEPARTMENT PRIORITY

2

1 DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)

Window replacement project at Jordan was started by previous Director. This is a priority at Jordan as it is our busiest station that is staffed 24/7. Originally built in 1936 and renovated and an addition added in 1980. Windows are in poor condition, gaps in window frames, poor working conditions and not weather tight. This project will allow us to control our heating and cooling and maintain good working conditions for our personnel.

2 PROJECT STATUS IF IN PROGRESS

Current status gathering quotes for project as we get closer. I would like to see this project completed in FY 2023 or FY24 if funding is available.

3 LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST

Once this project is complete at Jordan we can work on flooring on second floor training room. This flooring is currently in bad shape, buckling up and causing a trip hazard. This project should be checked for asbestos before any work is performed. This training room is

4 DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)

This project is planned out in the CIP by previous Director and needs to move forward. The cost to complete in operating budget is to large and could not be done with operating line and should be completed with Capital.

5 GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)

N/A

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION (if none, simply state that in the area below)

See attached quote (s)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2023	FY2024	FY2025	FY2026	FY2027
1	Current Year Capital		60,000				
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR						
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	CNR Undesignated Fund Balance						
7	Federal/State Grants (detail in section 5)						
8	Other Funding (detail in section 5 above)						
	TOTALS	0	60,000	0	0	0	0



Town of Waterford
Director of Fire Services
204 Boston Post Road
Waterford, CT 06385

October, 28 2021

First Selectman Rob Brule

15 Rope Ferry Road

Waterford, CT 06385

RE: CIP Plan FY 2023 Supporting Document Project #2

The Jordan fire station is one of our busiest Companies, staffed 24/7 with fire personnel. This station originally built in 1936 with and an addition/renovation put on in 1980. The windows are from what we can tell 1980 install during renovations. They have out lived there usage and life expectancy. Currently poor working condition, gaps in aluminum frames/seals and poor poor working conditions and not weather tight. This project will allow us to control our heating and cooling with Energy Efficiency windows and maintain good working conditions for our personnel.

This station is a main working station for our personnel here in Waterford. The second floor meeting room will be used more with training and meetings

Director of Fire Services

Michael J. Howley

A handwritten signature in black ink, appearing to read "MJH", written over a horizontal line.

YOST

Home Improvements, Inc.

1018 Hartford Turnpike, Rt. 85
Waterford, CT 06385

860-442-8032
800-422-YOST
Fax 860-444-YOST



November 2, 2021
Jordan Fire Department
c/o Michael Howley
Rope Ferry Road
Waterford, CT
mhowley@waterfordct.org

- Supply and install a total of thirty five, ComfortSmart, double hung windows and one picture window.
- All the windows will have Williamsburg internal colonial grids.
- The two windows in the staircases will have Tempered glass to meet code, one is a double hung window and one is a picture window.
- These are not standard installations and we will trim the exterior of the same windows with a white vinyl clad trim.
- Prices include all materials and labor.
- Yost Home Improvements, Inc. and all its employees are fully insured.

Job Cost	\$41,888.00
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This estimate is good for thirty days from the date given.



Advanced Window Systems, LLC
14 Alcap Ridge,
Cromwell, CT, 06416
HIC CT #0556507 HIC MA #176974

www.advancedwindowssystems.com

Customer Information

Michael Howley
89 Rope Ferry Rd
Waterford CT 06385

(860)235-0888
(860)440-0544
mhowley@waterfordct.org

Date: 11/03/2021
Rep: Justin Sawchuk

Windows

Window Type	Double Hung	Quantity	12
Window Package	Standard	Floor	1st Floor
Location	Office	Color	White Interior/Exterior
Hardware	White	Screen	Half Screen
Trim Color	White Exterior Trim	Existing Window	Remove Replacement Window
Visible Rot?	No	Top/Bottom Contour Grids	6/6
Window Type	Double Hung	Quantity	1
Window Package	Standard	Floor	1st Floor
Location	Office	Color	White Interior/Exterior
Hardware	White	Screen	Half Screen
Trim Color	White Exterior Trim	Existing Window	Remove Replacement Window
Visible Rot?	No	Top/Bottom Contour Grids	4/4
Window Type	Double Hung	Quantity	21
Window Package	Standard	Floor	2nd Floor
Location	Office	Color	White Interior/Exterior
Hardware	White	Screen	Half Screen
Trim Color	White Exterior Trim	Existing Window	Remove Replacement Window
Visible Rot?	No	Top/Bottom Contour Grids	6/6
Window Type	Picture Window	Quantity	1
Window Package	Standard	Floor	2nd Floor
Location	Office	Color	White Interior/Exterior
Grid Type	Contour Grid	Trim Color	White Exterior Trim
Existing Window	Remove Replacement Window	Visible Rot?	No

Window Specifications

If Home Built Before 1978 Lead Check & Prevention	Included
Remove Existing Window(s)	Included
Install New Window(s)	Included
Insulate Around Windows (If Needed)	Included
Wrap Outside Casings of Replaced Window(s) With Aluminium	Included
Wrap Outside Sill of Replaced Window(s) With Aluminium	Included
Seal Inside & Outside of Replaced Window(s) With Silicone	Included
Clean Up and Take Away Old Windows	Included

Customer Information

Michael Howley
89 Rope Ferry Rd
Waterford CT 06385

(860)235-0888
(860)440-0544
mhowley@waterfordct.org

Date: 11/03/2021
Rep: Justin Sawchuk

Proposal

Project Total	\$41,138.00
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Includes Promotion Discount

This includes the promotion discount that is valid until the end of the month. The regular price is valid for 90 days.

Payment Option 1

No Payments, No Interest For 1 Year

No Payments

No Interest

Pay Nothing Until

11/2021

Payment Option 2

Low Monthly Payment

No Prepayment Penalty

Estimated Monthly Payment

\$0

Payment Option 3

Check, Credit Card, Or Cash

50% Deposit

\$20,569.00

50% Due Upon Completion

\$20,569.00

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**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY

Fire Services

CONTACT PERSON

Chief Michael J. Howley

PROJECT NAME

Jordan Fire Station Flooring Replacment

DEPARTMENT PRIORITY

3

1 DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)

Flooring replacement project at Jordan. This is a priority at Jordan as it is our busiest station that is staffed 24/7. Originally built in 1936 and renovated and an addition added in 1980. Flooring in training/meeting room is in poor condition, peeling, buckling and need to be replaced with a more durable long lasting flooring. The carpeting is in very poor condition in offices and hallways and bunk room. This project will allow us to use this room more for training/meetings that we are in need of. Estimated age of flooring is 1980 at 41 years old

2 PROJECT STATUS IF IN PROGRESS

Current status gathering quotes for project. I would like to see this project completed in FY 2023 or FY24 if funding is available.

3 LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST

Window replacment project at Jordan is our project #2. This flooring project should follow next. We can work on flooring on second floor training/meeting room once windows are complete This flooring is currently in bad shape, buckleing up and causing a trip hazard.

4 DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)

This project is planned out in the CIP as our #3 project. The cost to complete in operating budget is to large and could not be done with operating line and should be completed with Capital Improvement Plan.

5 GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)

N/A

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION (if none, simply state that in the area below)

See attached quote (s)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2023	FY2024	FY2025	FY2026	FY2027
1	Current Year Capital		40,000				
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR						
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	CNR Undesignated Fund Balance						
7	Federal/State Grants (detail in section 5)						
8	Other Funding (detail in section 5 above)						
	TOTALS	0	40,000	0	0	0	0



Town of Waterford
Director of Fire Services

204 Boston Post Road
Waterford, CT 06385

November 1, 2021

First Selectman Rob Brule

15 Rope Ferry Road

Waterford, CT 06385

RE: CIP Plan FY 2023 Supporting Document Project #3

Jordan, company 1, flooring in meeting / training room is in poor condition, and estimated to be around 50 plus years old. The flooring is buckling up and causing a safety/trip hazard. The carpeting in the hallways and offices is in very poor condition and estimated to be around 41 years old. The treads on stairwells is coming apart and causing a hazard/risk and needs to be addressed ASAP. I am requesting this be added to our capital plan. Jordan station will become an integral part of our operations moving forward. The second floor training/meeting room will give us the area we need to host our training classes and meetings. We will also have offices being used on the second floor. I have asked for two quotes to have an idea on replacement cost with a durable flooring that will last 30 plus years. Testing should be done to see if asbestos is in current flooring or adhesives used. As this will add to cost of replacement. I estimate this project cost at \$ 40,000.

Director of Fire Services

Michael J. Howley 

Wayne A. Taylor dba NLR
18 Richard's Grove Road
Quaker Hill, CT 06375
(860) 857-1654 - wayneataylor@sbcglobal.net

November 4, 2021

Michael J. Howley, Director of Fire Services
Town of Waterford
Public Safety Complex
204 Boston Post Road
Waterford, CT 06385

Dear Sir:

RE: Jordon Fire Station (JFS), Window, Vinyl and Carpet Removal and Replacements.

As per your request, this office has prepared a cost estimate for both the removal and replacement for the above referenced items.

Please know that the quality and specification(s) of these items is equal or better than those recently replaced at The Waterford Town.

Additionally, given the volatile pricing for construction material over the next nine months, we have added an additional fifteen percent over the present day retail values for these items.

1) The estimated costs for all windows at the JFS are estimated at ... \$27,500.00

OPTION ONE

Meeting Room

The estimated costs for the Planked vinyl at the JFS estimated at... \$14,650.00

OPTION TWO

The estimated costs for Second Floor carpeting at the JFS estimated at... \$13,500.00

OPTION THREE

The estimated costs for the removal and replacement of the vinyl
rear stair covering carpeting at the JFS estimated at... \$6,500.00

The total estimated costs to complete all of this work (next year) is ... \$62,150.00

Should you have any questions or concerns please do not hesitate to contact me directly.

Best of All Regards
Wayne A. Taylor

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY

Fire Services

CONTACT PERSON

Chief Michael J. Howley

PROJECT NAME

Jordan Fire Station ceiling & lighting instalation

DEPARTMENT PRIORITY

4

1 DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)

Jordan meeting room is in need of upgrading both ceiling and lighting. Recommendation to install a drop ceiling to help with heating and sound all at the same time. The accoustical sounds are very bad in this room because of high sheetrock ceilings, poor lighting that is also up very high and old style floresent and poor heating controls with high ceilings

2 PROJECT STATUS IF IN PROGRESS

Current status gathering quotes for project as we get closer. I would like to see this project completed in FY 2023 or FY24 if funding is available.

3 LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST

Once this project is complete at Jordan we can work on flooring on second floor meeting/training room. This flooring is currently in bad shape, buckleing up and causing a trip hazard.

4 DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)

This project is planned out as this is an important facility for fire services as you can see other Jordan project will all tie into each other. The cost to complete in operating budget is to large and could not be done with operating line and should be completed with Capital.

5 GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)

N/A

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION (if none, simply state that in the area below)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2023	FY2024	FY2025	FY2026	FY2027
1	Current Year Capital		35,000				
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR						
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	CNR Undesignated Fund Balance						
7	Federal/State Grants (detail in section 5)						
8	Other Funding (detail in section 5 above)						
	TOTALS	0	35,000	0	0	0	0



Town of Waterford
Director of Fire Services

204 Boston Post Road
Waterford, CT 06385

November 11, 2021

First Selectman Rob Brule

15 Rope Ferry Road

Waterford, CT 06385

RE: CIP Plan FY 2023 Supporting Document Project #4

Jordan, company 1 Jordan station will become an integral part of our operations moving forward. The second floor training/meeting room will give us the area we need to host our training classes and meetings. The ceiling in this room is very high and has poor acoustical sound when speaking in. This height also has the lighting old Florissant bulbs up very high and needs upgrading. This all compounds with the heating and ventilation problem. Estimated cost for this project of installing a drop ceiling and LED lighting \$35,000.

Director of Fire Services

Michael J. Howley

A handwritten signature in black ink, appearing to read "M. Howley", written over a horizontal line.

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY <u>Fire Services</u>	CONTACT PERSON <u>Chief Michael J. Howley</u>
PROJECT NAME <u>Oswegotchie Building Replacement</u>	DEPARTMENT PRIORITY <u>5</u>

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)																																																																						
stn	The Oswegotchie fire station has been an issue here in Town for many years. This station is in deplorable conditions for a fire station, and should be addressed ASAP. Many studies, plans, committees have put a lot of work and funding into this with no results. This stations conditions will continue to deteriorate and have to be shut down do to safety concerns if not addressed soon. The roof still has tarps, that do not work keeping water out. Buckets on second floor to catch water, and what is not contained leaks down through the station. As many of you know this station has a major structural problem that the Town invested funds to hold the building up for a short time until another station could be constructed. This needs to be addressed ASAP.																																																																						
2	PROJECT STATUS IF IN PROGRESS																																																																						
	<u>On hold</u>																																																																						
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST																																																																						
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**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY Fire Services	CONTACT PERSON Chief Michael J. Howley
PROJECT NAME Quaker Hill Flat Roof	DEPARTMENT PRIORITY 6

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)																																																																						
	Quaker Hill station roof had partial replacment FY 22 with Insurance funds from storm damage from a large tree falling on it. Recommendation to complete flatt roof section in FY25																																																																						
2	PROJECT STATUS IF IN PROGRESS																																																																						
	Current status gathering quotes for project. I would like to see this project completed in FY25 if funding is available.																																																																						
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4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)																																																																						
	This project is planned out in the CIP as our #4 project. The cost to complete \$30,000 in operating budget is to large and could not be done with operating line and should be completed with Capital Improvement Plan.																																																																						
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Town of Waterford
Director of Fire Services

204 Boston Post Road
Waterford, CT 06385

November 1, 2021

First Selectman Rob Brule

15 Rope Ferry Road

Waterford, CT 06385

RE: CIP Plan FY 2023 Supporting Document Project #6

Quaker Hill station roof replacement originally priced at \$100,000 has since been reduced to \$30,000. Quaker Hill roof sustained damage during an early spring storm and a tree fell on roof and damaged it. Insurance repaired the roof in summer of 2021. All shingles section where replace to match roofing that was damaged. Section needing replacement is the flat section only. Project pricing reflects the change in scope of work and cost associated. Recommendation for FY 25 replacement.

Director of Fire Services

Michael J. Howley

A handwritten signature in black ink, appearing to read "MJH", written over a circular stamp or seal.

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY <u>Fire Services</u>	CONTACT PERSON <u>Chief Michael J. Howley</u>
PROJECT NAME <u>Equipment Replacement Plan</u>	DEPARTMENT PRIORITY <u>7</u>

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)																																																																						
	The Equipment Replacement Plan includes large purchase items for fire operations items including, but not limited to: fire hose and nozzles replacements, thermal imaging cameras, roof saws, rescue saws, rope rescue equipment and hardware.																																																																						
2	PROJECT STATUS IF IN PROGRESS																																																																						
	Requesting quotes from vendors on items coming in for replacement																																																																						
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST																																																																						
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)																																																																						
	These equipment replacements are large purchases over the \$10,000 limit that should come from CIP/CNR																																																																						
5	GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)																																																																						
	Grant funding will be looked at for some of these items in FY23. With a grant award we still need 5% of project funding available.																																																																						
6	ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION (if none, simply state that in the area below)																																																																						
	See attached quotes																																																																						
7	COST/FUNDING SOURCE																																																																						
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TOTALS	0	75,000	0	0	0	0																																																																	



Town of Waterford
Director of Fire Services
204 Boston Post Road
Waterford, CT 06385

November 8, 2021

First Selectman Rob Brule

15 Rope Ferry Road

Waterford, CT 06385

RE: CIP Plan FY 2023 Supporting Document Project #7

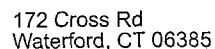
The Equipment Replacement Plan encompasses equipment for Fire operations, fire hose & nozzles, our thermal imaging cameras that need to be replaced ASAP, roof ventilation saws, rescue saws, and rope rescue equipment and hardware. All of these items will follow our purchasing guidelines with quotes and bid process. This year we will also be looking at Federal Grants under the (AFG) Assistance to Firefighters Grant for at least one of these items. If a grant is approved by FEMA 5% of funding would still need to be available.

Director of Fire Services

Michael J. Howley

A handwritten signature in black ink, appearing to read "MJH", enclosed within a circular scribble.

Quote *CIP Project #7*



Date	11/01/2021
Quote #	QT1521689
Expires	11/16/2021
Sales Rep	Fratus, John
PO #	
Shipping Method	FedEx Ground
Shipping Code (2)	

Waterford Fire Marshal (CT)
204 Boston Post Road
Waterford CT 06385
United States

Waterford Fire Marshal (CT)
204 Boston Post Road
Waterford CT 06385
United States

Item	Alt. Item #	Units	Description	QTY	Unit Sales	Amount
8007134			V320 Thermal Imager - Fahrenheit Kit	5	2,815.00	14,075.00

Subtotal	14,075.00
Shipping Cost (FedEx Ground)	0.00
Total	\$14,075.00

This Quotation is subject to any applicable sales tax and shipping & handling charges that may apply. Tax and shipping charges are considered estimated and will be recalculated at the time of shipment to ensure they take into account the most current local tax information.

All returns must be processed within 30 days of receipt and require a return authorization number and are subject to a restocking fee.

Custom orders are not returnable. Effective tax rate will be applicable at the time of invoice.



QT1521689

Quote

Project #7



172 Cross Rd
Waterford, CT 06385

Date 11/02/2021
Quote # QT1521984
Expires 11/17/2021
Sales Rep Fratus, John
PO #
Shipping Method FedEx Ground
Shipping Code (2)

Bill To
Waterford Fire Marshal (CT)
204 Boston Post Road
Waterford CT 06385
United States

Ship To
Waterford Fire Marshal (CT)
204 Boston Post Road
Waterford CT 06385
United States

Item	Alt Item #	Units	Description	QTY	Unit Sales	Amount
FS17X50R15N			PONN SUPREME 1.75" X 50' HOSE RED DuraCote W/1.5" NH CPLGS.	20	171.85	3,437.00
FS25X50R25N			50' LENGTH 2.5" RED PONN HOSE WITH 2.5" NH COUPLINGS.	20	243.75	4,875.00
SNAP-TITE	FS30X50R25N		FS30X50R25N Custom SNAP TITE PONN SUPREME 3" X 50' HOSE RED DURACOTE W/2.5" NH CPLGS.	10	312.50	3,125.00
HFX50X100Y50 S			All American, 5"x100' LDH Yellow Hose w/5" Storz Cplgs	10	637.50	6,375.00

MES/SHIPMAN'S IS HOLDING PRICING FROM RFQ #21100 THAT WAS AWARDED IN MARCH OF 2021. QUOTED PRICING MUST BE ORDERED BEFORE OR WILL EXPIRE ON 12/31/2021.

Subtotal 17,812.00
Shipping Cost (FedEx Ground) 0.00
Total \$17,812.00

This Quotation is subject to any applicable sales tax and shipping & handling charges that may apply. Tax and shipping charges are considered estimated and will be recalculated at the time of shipment to ensure they take into account the most current local tax information.

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Custom orders are not returnable. Effective tax rate will be applicable at the time of invoice.



QT1521984

MES SHIPMAN'S

FIRE EQUIPMENT CO.

172 Cross Rd
Waterford, CT 06385

Quote

Project #7

Date 10/13/2021
Quote # QT1515609
Expires 10/28/2021
Sales Rep Fratus, John
PO #
Shipping Method FedEx Ground
Shipping Code (2)

Bill To

Waterford Fire Marshal (CT)
204 Boston Post Road
Waterford CT 06385
United States

Ship To

Waterford Fire Marshal (CT)
204 Boston Post Road
Waterford CT 06385
United States

Item	Alt. Item #	Units	Description	QTY	Unit Sales	Amount
ELKHART Valves	0033XD01		0033XD01 ELKHART Valves ELKHART 1.5" SHUTOFF W/GRIP	2	497.60	995.20
0033XD02			1.5" shutoff	18	439.20	7,905.60
66755007			187-XD 1.5" 7/8" tip	20	137.60	2,752.00
0069XD02			2.5" shutoff	18	575.20	10,353.60
ELKHART Tips	66759007		66759007 ELKHART Tips ELKHART XD SMOOTH BORE TIP 1.5" FNH X 1 1/8" BLACK	18	137.60	2,476.80
04XD0122			Mid-range nozzle 1.5 160 @ 50 PSI	19	840.00	15,960.00

ELKHART NOZZLE QUOTE FOR GRANT. FINAL SALE PRICE WILL BE ADJUSTED AT
TIME OF GRANT AWARDMENT.

Subtotal	40,443.20
Shipping Cost (FedEx Ground)	0.00
Total	\$40,443.20

This Quotation is subject to any applicable sales tax and shipping & handling charges that may apply. Tax and shipping charges are considered estimated and will be recalculated at the time of shipment to ensure they take into account the most current local tax information.

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Custom orders are not returnable. Effective tax rate will be applicable at the time of invoice.



QT1515609

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY

Fire Services

CONTACT PERSON

Chief Michael J. Howley

PROJECT NAME

Quaker Hill Apparatus Floor

DEPARTMENT PRIORITY

9

1 DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)

Apparatus bay flooring is in need of refurbishing/recoating. Working on gaining quotes at this present time.

2 PROJECT STATUS IF IN PROGRESS

Requesting quotes from vendors

3 LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST

N/A

4 DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)

The flooring refurbishment in the apparatus area is large purchases over the \$10,000 limit that should come from CIP/CNR

5 GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION (if none, simply state that in the area below)

Flooring refurbishment estimated. Waiting on quotes to support request

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2023	FY2024	FY2025	FY2026	FY2027
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR						
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	CNR Undesignated Fund Balance			50,000			
7	Federal/State Grants (detail in section 5)						
8	Other Funding (detail in section 5 above)						
	TOTALS	0	0	50,000	0	0	0

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2022-2023 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY Fire Services	CONTACT PERSON Chief Michael J. Howley
PROJECT NAME Goshen meeting room flooring replacement	DEPARTMENT PRIORITY 10

1	DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)																																																																						
	Meeting room flooring will be in need of replacement in F/Y 24 recommendation of using a durable long lasting product similar to flooring at Town Hall.																																																																						
2	PROJECT STATUS IF IN PROGRESS																																																																						
	Requesting quotes from vendors																																																																						
3	LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST																																																																						
	N/A																																																																						
4	DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)																																																																						
	The flooring replacement in meeting room area is large purchases over the \$10,000 limit that should come from CIP/CNR																																																																						
5	GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)																																																																						
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	Flooring replacement estimated. Attached estimated cost																																																																						
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FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2023	FY2024	FY2025	FY2026	FY2027																																																																	
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Town of Waterford
Director of Fire Services
204 Boston Post Road
Waterford, CT 06385

November 11, 2021

First Selectman Rob Brule

15 Rope Ferry Road

Waterford, CT 06385

RE: CIP Plan FY 2023 Supporting Document Project #10

Company 3 Goshen, meeting room line item #55865 originally in for replacement in FY 22-23.
Recommendation to move this project out one year to FY 23-24 estimated cost \$15,000

Director of Fire Services

Michael J. Howley

A handwritten signature in black ink, appearing to read "MJH", is written over a circular stamp or seal.

CIP project # 10

Rt. **85** Flooring

1404 Route 85, Oakdale, Ct, 06370

(860)444-8772

www.rt85flooring.com

Goshen Fire House
Goshen Rd
Waterford

November 3, 2018

Replace second floor multi purpose room with new L.V.T	---
Material : Karndean knight Tile wood look (TBD)	6,475
Installation to be direct glued to existing subfloor	3,700
Remove existing V.C.T from floor	2,750
Replace existing 6" Cove base on walls with new 6" Black	600
Prep old left on adhesive with a poxy floor leveler	400
Total	----- 13,925

- * 50% Deposit required at time of order all deposits are non-refundable
- * Final Payment Due Upon Completion of Job

Rt. 85 Flooring Signature

Customer Signature

Part Number	Description	QTY	MFG List	Unit Cost	Extended
P25 Single Head Remote Mobile Radio					
MAMW-SDMXX	MOBILE,XG-75M/M7300,764-870MHZ,HALF DPLX	1	\$ 2,300.00	\$ 1,840.00	\$ 1,840.00
MAMW-PKGPT	Feature Package,P25 Trunking	1	\$ 1,100.00	\$ 880.00	\$ 880.00
MAMW-NPL5K	FEATURE,PROFILE OVER-THE-AIR-PROGRAMMING	1	\$ 265.00	\$ 212.00	\$ 212.00
MAMW-NPL6T	Feature,MDC-1200	1	\$ 19.50	\$ 15.60	\$ 15.60
MW-PL9E	Feature, Single Key AES Encryption	1	\$ 0.01	\$ 0.01	\$ 0.01
MAMW-NCP9E	Control Unit,CH721,Scan,Remote Mount	1	\$ 720.00	\$ 576.00	\$ 576.00
MAMW-NMC7Z	MICROPHONE,STD,STRAIGHT CONNECTOR	1	\$ 80.00	\$ 64.00	\$ 64.00
MAMW-NZN7R	ACCESSORIES,XG-75M/M7300 REMOTE MOUNT	1	\$ 360.00	\$ 288.00	\$ 288.00
MW-Y2EWM	WARRANTY, EXTENDED 2 YR, MOBILE	1	\$ 130.00	\$ 130.00	\$ 130.00
Section Sub Total					\$ 4,005.61
Program and Assemble Radio					
Labor	Program and assemble P25 Radio	2	\$ 130.00	\$ 130.00	\$ 260.00
Note	Installation by Others				
Antennas and Installation Accessories					
TRAB8603	Phantom Antenna	1	\$ 63.00	\$ 63.00	\$ 63.00
	NMO Base	1	\$ 33.40	\$ 28.39	\$ 28.39
	Connector, RF	1	\$ 8.50	\$ 8.50	\$ 8.50
Section Sub Total					\$ 359.89
Total Cost					\$ 4,365.50
Optional Accessory					
Part Number	Description	QTY	MFG List	Unit Cost	Extended
MW-PL4F	Feature, P25 Phase 2, TDMA For optional operation on State System		\$ 250.00		



L3HARRIS™

FAST. FORWARD.

XG-75M MOBILE RADIO

VHF, UHF, 700/800 MHz

Designed for mission-critical communications in challenging environments, the L3Harris XG-75M delivers tough, reliable performance and exceptionally clear audio quality.

Providing secure voice and data through end-to-end digital encryption, this mobile radio supports wideband and narrowband communications. It is P25 Phase 2 capable, with a software-defined architecture allowing field updates to new capabilities.

The XG-75M combines robust components and an AMBE+2™ vocoder to control distortion and provide best-in-class audio in extremely noisy, harsh environments. The XG-75M can also be customized for unique needs with options for GPS position

tracking, Over-the-Air Programming and FIPS for enhanced, 256-bit AES encryption.

The multimode XG-75M is ideal for organizations requiring one radio to manage their migration needs. Designed for P25 platforms as well as legacy L3Harris platforms, this mobile supports P25, EDACS®, ProVoice™ and OpenSky®.

The XG-75M is a member of the family of field-proven, reliable and rugged L3Harris mobiles, with durable construction to withstand demanding environments.



**BEST-IN-CLASS AUDIO
AND DURABILITY IN
EXTREME CONDITIONS**

KEY BENEFITS

- > Rugged construction and advanced audio components for top performance in demanding environments
- > Multimode operation for seamless P25 migration from legacy platforms
- > Familiar and durable controls for easy operation
- > GPS, OTAP, system, scan and handheld control unit options available

SPECIFICATIONS FOR: XG-75M MOBILE RADIO

GENERAL			
Frequency Bands	VHF (110 W)	VHF (50 W)	UHF & 700/800 MHz (30 W)
Dimensions (H x W x D):			
Radio (only)	2.4 x 6.9 x 11.0 in (61 x 175 x 279 mm)	2.0 x 6.9 x 9.2 in (50 x 175 x 233 mm)	2.0 x 6.9 x 9.2 in (50 x 175 x 233 mm)
Radio and Control Unit (with knobs)	2.4 x 6.9 x 12.3 in (60 x 175 x 311 mm)		
Control Unit (remote)	2.4 x 7.0 x 4.0 in (60 x 175 x 100 mm)		
Weight:			
Remote Mount	7.55 lb (3.42 kg)	—	—
Front Mount	5.9 lb (2.68 kg)	—	5.9 lb (2.68 kg)
Remote Mount (transceiver only)	5.25 lb (2.38 kg)	—	5.25 lb (2.38 kg)
Control Head (CH-721)	1.25 lb (0.57 kg)	—	1.25 lb (0.57 kg)
Construction:			
Control Unit (only)	High impact plastic		
Transceiver (only)	Cast metal		
Speaker	Weather-resistant external, 15 W		
Mounting	Front or remote mount available		
Environmental:			
Relative Humidity	90% @ 122°F (+50°C)		
Ambient Temperature Range	-22 to +140°F (-30 to +60°C)		
Altitude	15,000 feet (4,572 meters)		
Electrical System Voltage	10.8 to 16.3* VDC negative ground		
DC Supply Current:			
Transmit (110 W)	25 amps max, 23 amps typical		
Transmit	15 amps max, 11 amps typical		
Receive (includes CH-721)	4 amps max (with 15 W speaker output)		
Standby	1.1 amps typical		
Duty Cycle	TIA/EIA-603		
Operation	12 VDC negative ground		
Safety	RoHS compliant		
Programming	Field PC programmable		

*Not to exceed 14.3 V above +50°C for motorcycle applications

TRANSMITTER			
Frequency Bands	VHF	UHF	700/800 MHz
Frequency Ranges (MHz)	136-174	378-430, 440-512	764-776, 794-806, 806-825, 851-869
Rated Power Output (W)	8-50, 50-110	8-50	30 (35 EDACS/P25 800 MHz)
RF Output Impedance (ohm)	50	50	50
Frequency Stability (ppm)	±2.0	±1.5	±1.5
Modulation Deviation (kHz)	±5.0 (wideband*) ±2.5 (narrowband)	±5.0 (wideband*) ±2.5 (narrowband)	±5.0 (wideband) ±2.5 (narrowband) ±4.0 (NIPSPAC)
FM Hum and Noise Companion Receiver (dB)	52 (wideband*) 46 (narrowband)	52 (wideband*) 46 (narrowband)	47 (wideband) 41 (narrowband)
Spurious and Harmonics (dBm)	<-20	<-20	<-20
Audio Response (dB)	+1/-3, 300-2500 Hz	+1/-3, 300-2500 Hz	+1/-3, 300-2500 Hz
Audio Distortion (1 kHz tone):			
@ 2.5 kHz deviation	<5.0%	<5.0%	<5.0%
@ 1.0 kHz deviation	<2.0%	<2.0%	<2.0%
Adjacent Channel Power (dBc):			
C4FM @ 6 kHz (bw)	>67 >70 (wideband*) >60 (narrowband)	>67 >70 (wideband*) >60 (narrowband)	>67 >70 (wideband) >60 (narrowband)

*VHF and UHF product is compliant with applicable FCC narrowbanding mandate below 512 MHz

REGULATORY DATA							
Frequency Range (MHz)	RF Output (W)	Frequency Stability (ppm)	FCC Type Acceptance No.	Applicable FCC Rules	Industry Canada Certification No.	Applicable Industry Canada Rules	NTIA Certification Number
136-174	50	2.0	OWDTR-0055-E	22, 80, 90	3636B-0055	RSS-119	J/F 12/9968
136-174	110	2.0	OWDTR-0056-E	90	3636B-0056	RSS-119	NA
406-470	50	1.5	OWDTR-0061-E	90	3636B-0061	RSS-119	J/F 12/9968
764-806	30	1.5	OWDTR-0132-E	90	3636B-0132	RSS-119	NA
806-870	35	1.5	OWDTR-0132-E	90	3636B-0132	RSS-119	NA

SPECIFICATIONS FOR: XG-75M MOBILE RADIO

RECEIVER

Frequency Bands	VHF	UHF	700/800 MHz
Frequency Ranges (MHz)	136-174	378-430, 440-512	764-776, 851-870
RF Input Impedance (ohm)	50	50	50
Channel Spacing (kHz)	12.5/25	12.5/25	12.5/25
Frequency Stability (ppm)	±2.0	±1.5	±1.5
Sensitivity (12 dB SINAD) (µV / dBm)	0.25/-119.0	0.25/-119.0	0.25/-119.0
5% BER (typical)	>0.35/-118	>0.35/-118	>0.35/-118
Adjacent Channel Selectivity:			
@ 25 kHz (dB)	>85	>80	>80
@ 12.5 kHz (dB)	>70	>70	>70
Intermodulation (dB)	>80	>80	>80 (typical)
Spurious Image Rejection (dB)	>90 (except 2nd image)	>90 (except 2nd image)	>90 (except 2nd image)
FM Hum and Noise (dB)	>50 (wideband*) >46 (narrowband)	>50 (wideband*) >46 (narrowband)	>47 (wideband) >40 (narrowband)
Audio Response (dB)	+1/-3, 300-2500 Hz	+1/-3, 300-2500 Hz	+1/-3, 300-2500 Hz
Audio Distortion @ 15 W	<2% distortion	<2% distortion	<2% distortion
Adjacent Channel Interference Power Ratio (dB) C4FM	>60	>60	>60

*VHF and UHF product is compliant with applicable FCC narrowbanding mandate below 512 MHz

ENVIRONMENTAL STANDARD

Applicable MIL-STD	Parameter	Methods	Procedure / Categories
MIL-STD-810G*	Low pressure	500.5	1, 2
	High temperature	501.5	1, 2
	Low temperature	502.5	1, 2
	Temperature shock	503.5	1-B
	Solar radiation	505.5	2
	Blowing rain	506.5	1
	Humidity	507.5	2
	Salt fog	509.5	1
	Blowing dust	510.5	1
	Vibration (minimum integrity)	514.6	1, Category 4
	Vibration (basic transportation)	514.6	1, Category 24
	Shock (functional / basic)	516.6	1
	Shock (transit drop)	516.6	4
TIA-603-C	Vibration stability	Paragraph 2.3.4 and 3.3.4	
US Forest Service	Vibration (10-60 Hz)	Paragraph 2.15	
IEC 60529	Dust tight and water jets	IP65**	

*Also meets equivalent superseded MIL-STD-810D, E and F

**CH-100 and CH-721 control units meet IP65 / MIL-STD-810, XG-75M radio unit meets IP55

DIGITAL OPERATION

Protocol	P25 Phase 1 / Phase 2	OpenSky® (700/800 MHz)	ProVoice™	TIA/EIA-603
Vocoding Method	AMBE+2™ enhanced full rate, enhanced half rate	AMBE+2™ half rate, enhanced half rate	AMBE+2™ enhanced full rate	N/A
Signaling Rate (kbps)	9.6 and 12	19.2 and 9.6	9.6	Analog
Modulation	Phase1 TX: C4FM, RX: C4FM and WCQPSK Phase 2 TX: HCPM, RX: WCQPSK	4-level GFSK and M4FM	GFSK	FM
Data Communication Mode	Half duplex	Half duplex	Half duplex	Half duplex

ENCRYPTION

Encryption Algorithms	Voice Encryption: Single-key AES / DES, Multiple-key AES / DES, DES-OFB, Encryption Lite (ARC4)* 256-bit AES P25, 64-bit DES Control Channel Encryption: 128-bit AES (LLA)
Encryption Techniques	Non-linear product / block transformation

*Interoperates with commonly available ARC4 encryption algorithms

SPECIFICATIONS FOR: XG-75M MOBILE RADIO

ADVANCED COMMUNICATION FEATURES

Over-the-Air Programming

Allows quick reprogramming of radio features and user profiles, and simplifies changes and additions to communication protocols.

GPS

Provides dispatchers with fast, accurate unit location information via P25 or OpenSky networks.

OpenSky Trunking

A secure, integrated voice and data communications system which leverages the power of Internet Protocol and packet technology to deliver powerful Open Data applications to users.

ACCESSORIES

XG-75M accessories are designed for top performance in extreme conditions.

Control Units

L3Harris offers multiple Control Units to meet special requirements. All are available in front or remote mount configurations.

The CH721 Control Unit has a 3-line, 8-character alphanumeric display, with models available in Scan, which has a limited keyboard, and System, which has a full keyboard allowing advanced operations without a DTMF microphone. Both Control Unit models support P25, 800 MHz EDACS, ProVoice and OpenSky trunking operation.

The HHC-731 Handheld Controller provides the advanced features of the CH-721 System Control Unit, including siren and light bar control. This solution is ruggedized to meet a full range of environmental specifications, and supports P25, 800 MHz EDACS, ProVoice and OpenSky trunking operations. The HHC-731's 3-line, 8-character alphanumeric display is backlit for use in low-light areas. Its compact design makes it ideal for covert operations and space-constrained environments.



CH-721 Scan



CH-721 System



HHC-731

Microphones

L3Harris offers a versatile line of microphones for the XG-75M radio. Engineered with robust components, they deliver the high-quality audio first responders need for mission-critical operations. Options include a standard mic with an angled or a straight connector, noise-canceling mic, desktop microphone and dual control unit microphones.



Noise Canceling Mic



DTMF Microphone



Desktop Microphone

Additional Accessories

A number of other antennas, remote mounting kits, desktop control station, motorcycle kits (30 and 50 W only), PC programming software and cables are also available.

Technical specifications are subject to change without notice.
Product sales are subject to applicable U.S. export control laws.

XG-75M Mobile Radio

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