TOWN OF WATERFORD
GENERAL FUND
2018-2019 PROPOSED BUDGET

DEPT/AGENCY: 10138 CURRENT YEAR CAPITAL IMPROVEMENTS

LINE ITEM	DESCRIPTION	COLUMN 1 2016/2017 ACTUAL EXPENDED	COLUMN 2 2017/2018 RTM APPROP.	COLUMN 3 2017/2018 ADDITIONAL/ TRANSFERS	COLUMN 4 ACTUAL EXPEND/ ENCUMB AS OF 1/1/18	COLUMN 5 2018/2019 DEPT/ AGENCY REQUEST	COLUMN 6 2018/2019 APPROVED BD/COMM.	COLUMN 7 2018/2019 RECOMMENDED BD OF SELECTMEN	COLUMN 8 2018/2019 RECOMMENDED BD OF FINANCE
BOARD OF SELECTMEN:									
55738	FLEET MANAGEMENT PLAN	1,250,000	1,250,000		1,250,000	1,250,000	1,250,000	1,250,000	1,250,000
55797	ADA COMPLIANCE	20,000	0		0	0	0	0	0
SUBTOTAL BD. OF SELECTMEN		**1,270,000**	**1,250,000**	**0**	**1,250,000**	**1,250,000**	**1,250,000**	**1,250,000**	**1,250,000**
INFORMATION TECHNOLOGY									
55805	HARDWARE REFRESH		24,111		24,111	25,580	25,580	25,580	25,580
55806	MICROSOFT OFFICE 2016		55,000		55,000	0	0	0	0
55807	GIS UPGRADE		50,000		50,000	0	0	0	0
55823	MICROSOFT EMAIL SYSTEM SOFTWARE WITH WINDOW SERVER					29,550	29,550	29,550	29,550
55824	MICROSOFT WINDOWS SERVER/EXCHANGE 2016 (PHYSICAL SERVER FOR EMAIL)					15,201	15,201	15,201	15,201
55831	REC TRAC SOFTWARE					18,500	18,500	18,500	18,500
55833	SAN (STORAGE AREA NETWORK)					42,000	42,000	42,000	42,000
SUBTOTAL INFORMATION TECHNOLOGY:		**0**	**129,111**	**0**	**129,111**	**130,831**	**130,831**	**130,831**	**130,831**
POLICE DEPARTMENT									
55798	IN-CAR CAMERA SYSTEM	171,000	0	0	0	0	0	0	0
55808	PHASE II FURNITURE & FLOORING		54,079		54,079	0	0	0	0
55809	47 TACTICAL VESTS (STEEL PLATED)		18,075		18,075	0	0	0	0
55810	47 TACTICAL HELMETS		16,027		16,027	0	0	0	0
55811	UPS FOR POLICE BUILDING		19,735		19,735	0	0	0	0
55837	INFRARED CAMERAS IN CARS					14,380	14,380	14,380	14,380
55828	PHASE III FURNITURE & FLOORING					82,799	82,799	82,799	82,799
55830	RANGE IMPROVEMENTS					14,000	14,000	14,000	14,000
SUBTOTAL POLICE DEPARTMENT		**171,000**	**107,916**	**0**	**107,916**	**111,179**	**111,179**	**111,179**	**111,179**
FIRE DEPARTMENT									
55812	FIRE SERVICES-SCBA UPGRADE PROGRAM		100,000		100,000	140,000	140,000	140,000	140,000
55813	JORDAN - FIRE ESCAPE REPLACEMENT		25,000		25,000	0	0	0	0
55814	COHANZIE - FIRE ESCAPE REPLACEMENT		25,000		25,000	0	0	0	0
SUBTOTAL FIRE DEPARTMENT		**0**	**150,000**	**0**	**150,000**	**140,000**	**140,000**	**140,000**	**140,000**

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TOWN OF WATERFORD
GENERAL FUND
2018-2019 PROPOSED BUDGET

DEPT/AGENCY: 10138 CURRENT YEAR CAPITAL IMPROVEMENTS

LINE ITEM	DESCRIPTION	COLUMN 1 2016/2017 ACTUAL EXPENDED	COLUMN 2 2017/2018 RTM APPROP.	COLUMN 3 2017/2018 ADDITIONAL/ TRANSFERS	COLUMN 4 ACTUAL EXPEND/ ENCUMB AS OF 1/1/18	COLUMN 5 2018/2019 DEPT/ AGENCY REQUEST	COLUMN 6 2018/2019 APPROVED BD/COMM.	COLUMN 7 2018/2019 RECOMMENDED BD OF SELECTMEN	COLUMN 8 2018/2019 RECOMMENDED BD OF FINANCE
PUBLIC WORKS									
55799	BLOOMINGDALE RD - RECLAIM & REPAVE	139,800	0	0	0	0	0	0	0
55801	NORTH ROAD - MILL & OVERLAY	136,700	0	0	0	0	0	0	0
55802	GLENWOOD AVENUE BRIDGE	85,000	0	0	0	0	0	0	0
55819	UST REPLACEMENT		425,000		425,000	0	0	0	0
55815	MILL & PAVE KENYON ROAD		133,875	0	133,875	0	0	0	0
55816	MILL & PAVE LOWER BARTLETT ROAD		97,913		97,913	0	0	0	0
54050	MECHANIC LIFTS		28,278	0	28,278	0	0	0	0
55817	MILL & PAVE QUAKER LANE		46,760	0	46,760	0	0	0	0
55825	MILL & PAVE MULLEN HILL					198,859	198,859	198,859	198,859
55826	MILL & PAVE MYROCK AVE					112,617	112,617	112,617	112,617
55827	MILL & PAVE STONEHEIGHTS RD					105,894	105,894	105,894	105,894
55832	RECLAIM & PAVE WESTWOOD/WEST NECK					181,216	181,216	181,216	181,216
SUBTOTAL PUBLIC WORKS		**361,500**	**731,826**	**0**	**731,826**	**598,586**	**598,586**	**598,586**	**598,586**
MUNICIPAL BUILDINGS MAINTENANCE									
55803	PARKING LOT - POLICE/YSB	300,000	195,320	0	195,320	0	0	0	0
55829	POLICE & PUBLIC SAFETY HVAC STUDIES					14,000	14,000	14,000	14,000
55834	TOWN HALL FIRE SYSTEM					72,000	72,000	72,000	72,000
55836	YSB FIRE SYSTEM					38,000	38,000	38,000	38,000
SUBTOTAL MUNICIPAL BUILDINGS MAINTENANCE		**300,000**	**195,320**	**0**	**195,320**	**124,000**	**124,000**	**124,000**	**124,000**
UTILITY COMMISSION									
55804	GENERAL PROPERTY MANAGEMENT - ROOF REPLACEMENT MAIN BLDG	49,664							0
55821	IN-LINE WASTEWATER SOLIDS GRINDERS					85,000	85,000	85,000	85,000
SUBTOTAL UTILITY COMMISSION:		**49,664**	**0**	**0**	**0**	**85,000**	**85,000**	**85,000**	**85,000**

TOWN OF WATERFORD
GENERAL FUND
2018-2019 PROPOSED BUDGET

DEPT/AGENCY: 10138 **CURRENT YEAR CAPITAL IMPROVEMENTS**

LINE ITEM	DESCRIPTION	COLUMN 1 2016/2017 ACTUAL EXPENDED	COLUMN 2 2017/2018 RTM APPROP.	COLUMN 3 2017/2018 ADDITIONAL/ TRANSFERS	COLUMN 4 ACTUAL EXPEND/ ENCUMB AS OF 1/1/18	COLUMN 5 2018/2019 DEPT/ AGENCY REQUEST	COLUMN 6 2018/2019 APPROVED BD/COMM.	COLUMN 7 2018/2019 RECOMMENDED BD OF SELECTMEN	COLUMN 8 2018/2019 RECOMMENDED BD OF FINANCE
RECREATION & PARKS									
55835	VETERAN'S FIELD IRRIGATION					13,700	13,700	13,700	13,700
55822	LEARY PARK IRRIGATION					47,300	47,300	47,300	47,300
55838	CHILDREN'S PLAYGROUND					25,000	25,000	25,000	25,000
55820	FIRE APPARATUS ACCESS ROAD REPAIR - EUGENE O'NEILL					14,250	14,250	14,250	14,250
SUBTOTAL RECREATION & PARKS:		**0**	**0**	**0**	**0**	**100,250**	**100,250**	**100,250**	**100,250**
BOARD OF EDUCATION									
57600	TRANSFER OUT SCHOOL FUNDING			693,075	693,022				0
SUBTOTAL BOARD OF EDUCATION:		**0**	**0**	**693,075**	**693,022**	**0**	**0**	**0**	**0**
DEPARTMENT TOTAL		2,152,164	2,564,173	693,075	3,257,195	2,539,846	2,539,846	2,539,846	2,539,846

TOWN OF WATERFORD
GENERAL FUND
2018-2019 PROPOSED BUDGET

DEPT/AGENCY: 10140 TRANSFERS TO CAPITAL AND NON-RECURRING EXPENDITURE FUND

LINE ITEM	DESCRIPTION	COLUMN 1 2016/2017 ACTUAL EXPENDED	COLUMN 2 2017/2018 RTM APPROP.	COLUMN 3 2017/2018 ADDITIONAL/ TRANSFERS	COLUMN 4 ACTUAL EXPEND/ ENCUMB AS OF 1/1/18	COLUMN 5 2018/2019 DEPT/ AGENCY REQUEST	COLUMN 6 2018/2019 APPROVED BD/COMM.	COLUMN 7 2018/2019 RECOMMENDED BD OF SELECTMEN	COLUMN 8 2018/2019 RECOMMENDED BD OF FINANCE
ASSESSOR									
57639	REVALUATION	75,000	75,000	0	75,000	75,000	75,000	75,000	75,000
SUBTOTAL ASSESSOR:		75,000	75,000	0	75,000	75,000	75,000	75,000	75,000
INFORMATION TECHNOLOGY									
57790	WIFI TOWN WIDE WIRING	25,000	25,000		25,000	0	0	0	0
57809	CORE SWITCHES & BLADES - EOC/TOWN HALL	0	12,000		12,000	12,000	12,000	12,000	12,000
SUBTOTAL INFORMATION TECHNOLOGY:		25,000	37,000	0	37,000	12,000	12,000	12,000	12,000
POLICE DEPARTMENT									
57793	FURNITURE & FLOORING	52,000	0		0	0	0	0	0
SUBTOTAL POLICE DEPARTMENT		52,000	0	0	0	0	0	0	0
LIBRARY									
57810	HVAC SYSTEMS REVIEW	0	10,000		10,000	0	0	0	0
SUBTOTAL LIBRARY		0	10,000	0	10,000	0	0	0	0
FIRE SERVICES									
57777	FIRE SERVICE - SCBA UPGRADE PROGRAM	150,000	0		0	0	0	0	0
57779	COHANZIE RESCUE TRUCK EQUIPMENT	20,000	0		0	0	0	0	0
57791	JORDAN - TRAFFIC LIGHT UPGRADE	25,000	0		0	0	0	0	0
57792	OSWEGATCHIE - BUILDING RENOVATIONS	250,000	2,000,000		2,000,000	1,000,000	1,000,000	1,000,000	1,000,000
57825	FIRE DEPT - FIRE STATION TELEPHONE SYSTEM					55,000	55,000	55,000	55,000
57826	FIRE DEPT - HYDRAULIC EQUIPMENT					50,000	50,000	50,000	50,000
57811	GOSHEN RESTROOM RENOVATIONS	0	50,000		50,000	0	0	0	0
SUBTOTAL FIRE SERVICES:		445,000	2,050,000	0	2,050,000	1,105,000	1,105,000	1,105,000	1,105,000
EMERGENCY MANAGEMENT									
57794	MOBILE & PORTABLE RADIO REPLACEMENT PROGRAM	250,195	250,000	0	250,000	213,447	213,447	213,447	213,447
SUBTOTAL EMERGENCY MANAGEMENT:		250,195	250,000	0	250,000	213,447	213,447	213,447	213,447

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TOWN OF WATERFORD
GENERAL FUND
2018-2019 PROPOSED BUDGET

DEPT/AGENCY: 10140 TRANSFERS TO CAPITAL AND NON-RECURRING EXPENDITURE FUND

LINE ITEM	DESCRIPTION	COLUMN 1 2016/2017 ACTUAL EXPENDED	COLUMN 2 2017/2018 RTM APPROP.	COLUMN 3 2017/2018 ADDITIONAL/ TRANSFERS	COLUMN 4 ACTUAL EXPEND/ ENCUMB AS OF 1/1/18	COLUMN 5 2018/2019 DEPT/ AGENCY REQUEST	COLUMN 6 2018/2019 APPROVED BD/COMM.	COLUMN 7 2018/2019 RECOMMENDED BD OF SELECTMEN	COLUMN 8 2018/2019 RECOMMENDED BD OF FINANCE
RECREATION & PARKS									
57795	WBP CAUSEWAY BRIDGE	50,000	0		0	0	0	0	0
57796	TENNIS COURT SURFACE REPAIRS	27,800	0	0	0	0	0	0	0
57797	BABE RUTH BACKSTOP REPLACEMENT	11,000	0	0	0	0	0	0	0
57798	CHILDREN'S PLAYGROUND CIVIC TRIANGLE[1] (FUNDING OFFSET OF $11,000 AVAILABLE)	33,715	0	0	0	0	0	0	0
57824	WATERFORD BEACH PARK CAUSEWAY BRIDGE(FABRICATION & INSTALLATION)	0	279,000		279,000	0	0	0	0
57813	WATERFORD LITTLE LEAGUE BLEACHER REPLACEMENT	0	27,678		27,678	0	0	0	0
SUBTOTAL REC & PARKS		**122,515**	**306,678**	**0**	**306,678**	**0**	**0**	**0**	**0**
PUBLIC WORKS:									
57799	UST REPLACEMENT	330,000	0		0	0	0	0	0
57800	GALLUP LANE RECLAIM/REPAVE	440,950	0		0	0	0	0	0
57695	MUNICIPAL COMPLEX RENOVATIONS		9,000,000		9,000,000	0	0	0	0
57814	MILL & REPAVE RICHARDS GROVE ROAD		105,090		105,090	0	0	0	0
57829	MILL & PAVE PEPPERBOX ROAD					202,804	202,804	202,804	202,804
57815	REDESIGN/RECONSTRUCT GARDINERS WOOD ROAD (DESIGN/PERMITTING)\		287,000		287,000	0	0	0	0
SUBTOTAL PUBLIC WORKS		**770,950**	**9,392,090**	**0**	**9,392,090**	**202,804**	**202,804**	**202,804**	**202,804**
UTILITIES COMMISSION:									
57802	FORCE MAIN AIR RELEASE VALVES - EVALUATE & REPLACE	17,000	13,000		13,000	13,000	13,000	13,000	13,000
57816	OLD NORWICH PS (STATION REHAB)		100,000		100,000	475,000	475,000	475,000	475,000
57817	WASTEWATER PUMP STATIONS -FLOOD PROTECTION		100,000		100,000	100,000	100,000	100,000	100,000
SUBTOTAL UTILITIES COMMISSION		**17,000**	**213,000**	**0**	**213,000**	**588,000**	**588,000**	**588,000**	**588,000**

TOWN OF WATERFORD
GENERAL FUND
2018-2019 PROPOSED BUDGET

DEPT/AGENCY: 10140 TRANSFERS TO CAPITAL AND NON-RECURRING EXPENDITURE FUND

LINE ITEM	DESCRIPTION	COLUMN 1 2016/2017 ACTUAL EXPENDED	COLUMN 2 2017/2018 RTM APPROP.	COLUMN 3 2017/2018 ADDITIONAL/ TRANSFERS	COLUMN 4 ACTUAL EXPEND/ ENCUMB AS OF 1/1/18	COLUMN 5 2018/2019 DEPT/ AGENCY REQUEST	COLUMN 6 2018/2019 APPROVED BD/COMM.	COLUMN 7 2018/2019 RECOMMENDED BD OF SELECTMEN	COLUMN 8 2018/2019 RECOMMENDED BD OF FINANCE
MUNICIPAL BUILDINGS MAINTENANCE									
57803	TOWN HALL HVAC SYSTEM	722,500	0		0	0	0	0	0
57804	YSB HVAC	260,000	0		0	0	0	0	0
57805	YSB FLOORING	70,000	0		0	0	0	0	0
57818	TOWN HALL FLOORING		245,000		245,000	0	0	0	0
57819	YSB ROOF REPLACEMENT		45,000		45,000	0	0	0	0
SUBTOTAL MUNICIPAL BUILDINGS MAINTENANCE		**1,052,500**	**290,000**	**0**	**290,000**	**0**	**0**	**0**	**0**
BOARD OF EDUCATION									
57806	CLMS ENTRANCE MODIFICATION (SECURITY)	47,000	0		0	0	0	0	0
57807	INSTALL VIRTUAL MAIN SERVER	150,000	0		0	0	0	0	0
57808	REPLACE DVR SECURITY CAMERA	30,000	0		0	0	0	0	0
57820	WHS - TURF FIELD AND TRACK		150,000		150,000	100,000	100,000	100,000	100,000
57821	CLMS GLYCOL SYSTEM REPLACEMENT		16,000		16,000	0	0	0	0
57822	IT LEARNING BOARDS-END OF LIFE		200,000		200,000	200,000	200,000	200,000	200,000
57823	IT SECURITY DVR CAMERAS		30,000		30,000	0	0	0	0
57827	IT VITUAL DESKTOP MAIN PROCESSOR					150,000	150,000	150,000	150,000
57828	QH-10 YR RETRO COMMISSIONING					30,000	30,000	30,000	30,000
SUBTOTAL BOARD OF EDUCATION		**227,000**	**396,000**	**0**	**396,000**	**480,000**	**480,000**	**480,000**	**480,000**
DEPARTMENT TOTAL		**3,037,160**	**13,019,768**	**0**	**13,019,768**	**2,676,251**	**2,676,251**	**2,676,251**	**2,676,251**
LESS: GRANTS/OTHER REVENUE									
	DEBT SERVICE		11,000,000		11,000,000	1,000,000	1,000,000	1,000,000	1,000,000
	LOCIP		105,090		105,090	202,804	202,804	202,804	202,804
	FEDERAL/STATE GRANTS		287,000		287,000	0	0	0	0
	GRANT - CHILDREN'S PLAYGROUND	11,000	0		0		0	0	0
	UNDESIGNATED FUND BALANCE	1,163,450	290,000		290,000		0	0	0
TOTAL FUNDING OFFSETS		**1,174,450**	**11,682,090**	**0**	**11,682,090**	**1,202,804**	**1,202,804**	**1,202,804**	**1,202,804**
TOTAL GENERAL FUND APPROPRIATION		**1,862,710**	**1,337,678**	**0**	**1,337,678**	**1,473,447**	**1,473,447**	**1,473,447**	**1,473,447**

FIFTEEN ROPE FERRY ROAD
WATERFORD, CT 06385-2886

PHONE: 860-442-0553
www.waterfordct.org

February 21, 2018

Ronald Fedor, Chairman, Board of Finance
Thomas Dembek, Moderator, Representative Town Meeting

RE: 5-YEAR CAPITAL IMPROVEMENT PLAN - FISCAL YEARS 2019-2024

I have completed my responsibilities as set forth in the Charter of the Town of Waterford by preparing a five year Capital Improvement Plan. On February 13, 2018, the Board of Selectmen ratified the plan. The plan contains my recommendations on projects to be undertaken over the next five fiscal years and how they should be funded. I have attached a spreadsheet which summarizes the recommendations for the upcoming fiscal year as well as the five-year planning period. The Board of Selectmen also ratified funding authorization recommendations to the Current Year Capital Improvement Budget in the amount of $2,539,846 and to Transfers to Capital and Non-Recurring Expenditure fund in the amount of $1,473,439.

The Town of Waterford has effectively used its Capital Improvement funding to finance significant amounts of infrastructure. I am recommending a stable funding level to accommodate the needs of the town that include several upgrades within the schools as they begin to age. Other highlights of my recommendation include:

- Continued funding of the Fleet Management Plan, which continues to allow us to renovate our fleet and manage the life span for highly-utilized vehicles based upon historical life cycles. We have reviewed the various vehicles and changed some life cycles on them as well as making sure the pricing is fairly accurate for the outgoing years. We also utilized a truck from Quaker Hill that was being replaced to replace the Emergency Management truck which had very high mileage. The truck from Quaker Hill had 57,000 miles on it and is ten years old. This vehicle should serve Emergency management well for the next several years.
- We are currently under contract to replace the HVAC at Town Hall and at Youth Services which should complete the more extensive repairs required at these buildings. The ceilings and carpeting will complete the process in the next year. The complete replacement of the Public Works Complex has seen significant progress over the past year and we look forward to funding the project this fiscal year. This Municipal Complex will require significant dollars to fund and therefore we will be requesting an appropriation through a bonding resolution for the new facility and utilizing funds from the undesignated fund balance for the remaining Town Hall repairs.
- Our road infrastructure has been a challenge over the past few years and we continue to fund as many roads as we can functionally do in the coming year. We continue to work with the State to try and get funding for the larger road projects that continue to challenge our community.
- Oswegatchie Fire House is included in this package as a bonding item separate from our Municipal Complex. If all goes well with their search for architectural support, they may be ready to issue bids for construction in the Spring of 2019.

- This year, we also received a request from the Board of Education to do several projects with Capital Funds. This includes the initial funding for the turf field replacement and the beginning of a replacement schedule for the Promethean Boards in the schools.
- There is an additional form included that shows where the funds are suggested to come from for the various projects.

I look forward to working with the Board of Finance and RTM as we enter the budget review process and I anticipate that this plan will be the basis upon which appropriation requests will be considered.

Sincerely,

Daniel Steward
First Selectman

Enclosure

TOWN O[illegible]TERFORD
CAPITAL IMPROVEMENT PROGRAM - FIRST SELECTMAN'S RECOMMENDATIONS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	DEPARTMENT REQUEST FISCAL YEAR 2018-2019	FIRST SELECTMAN RECOMMENDED 2018-2019	FIRST SELECTMAN'S COMMENTS	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
FLEET MANAGEMENT (SELECTMEN)										
1	FLEET MANAGEMENT PLAN	1	1,250,000	1,250,000		1,250,000	1,250,000	1,250,000	1,250,000	6,250,000
TOTAL FLEET MANAGEMENT			1,250,000	1,250,000		1,250,000	1,250,000	1,250,000	1,250,000	6,250,000
ASSESSOR										
1	REVALUATION PROJECT	3	75,000	75,000	STATUTORY REQUIREMENT CONTINUE LEVEL FUNDING	75,000	75,000	75,000	75,000	375,000
TOTAL ASSESSOR			75,000	75,000		75,000	75,000	75,000	75,000	375,000
INFORMATION TECHNOLOGY										
1	MICROSOFT WINDOWS SERVER/ EXCHANGE 2016 (PHYSICAL SERVER FOR EMAIL)	1	15,201	15,201						15,201
1	MICROSOFT EMAIL SYSTEM SOFTWARE/ WITH WINDOWS SERVER	1	29,550	29,550						29,550
1	REC TRAC SOFTWARE *1	1	31,644	18,500						18,500
1	HARDWARE REFRESH (27 New Computers)*2	1, 3	25,580	25,580		26,348	48,391			100,319
1	TOWN WIDE WIFI (FINAL PHASE)	1	25,000	0	Public Works Complex new building					0
5	CORE SWITCHES & BLADES - EOC/TOWN HALL	1, 3	12,000	12,000		22,200				34,200
	SWITCHES	3						18,000		18,000
	PHONE SYSTEM (HARDWARE/SOFTWARE UPGRADES) *3	3					5,250	11,000	17,417	33,667
5	VMWARE/VIRTUAL SERVERS (Hosts, software)	3				12,100	12,100	12,100	12,100	48,400
	SAN (STORAGE AREA NETWORK)	1	42,000	42,000						42,000
	FIBER UPGRADE (Town Hall to PD/YSB/EOC, Community Center, Library) *4	3				7,000	7,000	7,000	7,000	28,000
	MERAKI FIVE YEAR LICENSING (Cisco Wireless Access Points)	3				5,750	5,750	5,750	5,750	23,000
	TOWN WIDE CAMERA SYSTEM *5	3				95,000	97,200	77,000	77,000	346,200
TOTAL INFORMATION TECHNOLOGY			180,975	142,831		168,398	175,691	130,850	119,267	737,037
LIBRARY										
										0
TOTAL LIBRARY			0	0		0	0	0	0	0

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PROGRAM - FIRST SELECTMAN'S RECOMMENDATIONS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	DEPARTMENT REQUEST FISCAL YEAR 2018-2019	FIRST SELECTMAN RECOMMENDED 2018-2019	FIRST SELECTMAN'S COMMENTS	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
FIRE SERVICES										
1	FIRE SERVICES-SCBA UPGRADE PROGRAM	1	140,000	140,000						140,000
	FIRE SERVICES -EQUIP. REPLACEMENT PLAN					75,000	75,000	75,000	75,000	300,000
4	PUBLIC SAFETY - CARPET REPLACEMENT	3	30,000		Move out one year	30,000				30,000
2	FIRE DEPT - FIRE STATION TELEPHONE SYSTEMS	3	110,000	55,000	Spread out 2 departments per year	55,000				110,000
3	FIRE DEPT - HYDRAULIC EQUIPMENT UPGRADE	3	100,000	50,000	Spread out 1 department per year	50,000	50,000	50,000		200,000
	FIRE DEPT-ACCOUNTABILITY SYSTEM							50,000		50,000
	JORDAN - FIRE ESCAPE REPLACEMENT									0
	QUAKER HILL - EMERGENCY GENERATOR	3					50,000			50,000
	QUAKER HILL - PARKING LOT PROJECT	3						50,000		50,000
	QUAKER HILL - ROOF PROJECT	3						100,000		100,000
	GOSHEN - RESTROOM RENOVATION	3								0
	GOSHEN - BUNKROOM RENOVATION	3				50,000				50,000
	GOSHEN-APPARATUS FLOOR DRAINAGE	3						25,000		25,000
	GOSHEN-AIR CONDITIONING SYSTEM	3					25,000			25,000
	OSWEGATCHIE-BUILDING RENOVATIONS	4	1,000,000	1,000,000	Bonded Money					1,000,000
	OSWEGATCHIE-CASCADE SYSTEM REPLACEMENT	3					75,000			75,000
	COHANZIE - UST REPLACEMENT					400,000				400,000
	COHANZIE - RESCUE TRUCK EQUIPMENT					20,000	20,000	20,000	20,000	80,000
	COHANZIE - EMERGENCY GENERATOR						50,000			50,000
	COHANZIE - FLAT ROOF REPLACEMENT							100,000		100,000
	COHANZIE - OVERHEAD DOOR REPLACEMENT						25,000			25,000
TOTAL FIRE COMMISSION			1,380,000	1,245,000		680,000	370,000	470,000	95,000	2,860,000
POLICE DEPARTMENT										
1	PHASE III FURNITURE & FLOORING	1	82,799	82,799						82,799
2	INFRARED CAMERAS IN CARS	1, 3	14,380	14,380		14,812	15,527	15,715		60,434
5	LOCKER ROOM LOCKERS	3	19,575		Adjusted with Chief	26,688	27,293	27,917		81,898
4	ACCIDENT INVESTIGATION EQUIPMENT	1	12,000		Adjusted with Chief	12,000				12,000
3	UNMANNED AERIAL VEHICLE	1	20,000		Adjusted with Chief	20,000				20,000
6	RANGE IMPROVEMENTS	1	14,000	14,000						14,000
7	IMPOUND YARD IMPROVEMENTS					20,000	20,000	20,000		60,000
8	UTILITY TERRAIN VEHICLE	3				7,500				7,500
9	MARINE OUTBOARD MOTORS	3				8,000	8,000	8,000	8,000	32,000
TOTAL POLICE			162,754	111,179		109,000	70,820	71,632	8,000	370,631
EMERGENCY MANAGEMENT										
3	MOBILE & PORTABLE RADIO REPLACEMENT PROGRAM	3	213,447	213,447		213,447	213,447			640,341
TOTAL EMERGENCY MANAGEMENT			213,447	213,447		213,447	213,447	0	0	640,341
FLOOD AND EROSION BOARD										
1	ALEWIFE COVE MAINTENANCE DREDGING	3				100,000				100,000
TOTAL FLOOD AND EROSION BOARD			0	0		100,000	0	0	0	100,000

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PROGRAM - FIRST SELECTMAN'S RECOMMENDATIONS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	DEPARTMENT REQUEST FISCAL YEAR 2018-2019	FIRST SELECTMAN RECOMMENDED 2018-2019	FIRST SELECTMAN'S COMMENTS	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
RECREATION AND PARKS										
1	VETERAN'S FIELD IRRIGATION SYSTEM	1	13,700	13,700						13,700
2	LEARY PARK IRRIGATION	1	47,300	47,300						47,300
3	CHILDREN'S PLAYGROUND	1	25,000	25,000						25,000
3a	CHILDREN'S PLAYGROUND	8	0	30,000	Contributed Gift fund / Total Project 55,000					30,000
4	STENGER FARM PARK RESTROOMS	3	87,000		Adjusted with Brian	87,000				87,000
5	VETERAN'S FIELD LIGHTING	3				306,000				306,000
										0
TOTAL RECREATION AND PARKS			**173,000**	**116,000**		**393,000**	**0**	**0**	**0**	**509,000**
EUGENE O'NEILL THEATER CENTER WATERFORD CAMPUS										
1	FIRE APPARATUS ACCESS ROAD REPAIR	1	14,250	14,250						14,250
2	INSTALLATION OF LIGHTING SYSTEM ON WATERFORD CAMPUS	3				60,000				60,000
3	COOPER BEACH TREES ROOT AIRSPADE & EDITH OLIVER THEATER SWEET	3	11,628			11,628				11,628
TOTAL EUGENE O'NEILL THEATER			**25,878**	**14,250**		**71,628**	**0**	**0**	**0**	**85,878**
PUBLIC WORKS										
	MUNICIPAL COMPLEX RENOVATIONS	4								0
1	RECLAIM & PAVE WESTWOOD/WEST NECK	1	181,216	181,216						181,216
2	MILL & PAVE PEPPERBOX ROAD	5	202,804	202,804						202,804
3	MILL & PAVE MYROCK AVE	1	112,617	112,617						112,617
4	MILL & PAVE MULLEN HILL	1	198,859	198,859						198,859
5	MILL & PAVE STONEHEIGHTS ROAD	1	105,894	105,894						105,894
6	RECLAIM/PAVE INDUSTRIAL DRIVE	1				229,892				229,892
7	MILL & PAVE MILLSTONE EAST	1				328,909				328,909
	GARDINERS WOOD ROAD CONSTRUCTION	7				1,884,000				1,884,000
	CROSS ROAD	8					3,406,800			3,406,800
	MILL/PAVE CHAPMAN AVE	1					78,260			78,260
	MILL/PAVE PILGRIM ROAD SOUTH	1					52,964			52,964
	MILL/PAVE BLOOMINGDALE SOUTH	1					116,204			116,204
	MILL/PAVE GALLOWS LANE	1					121,737			121,737
	INSPECT/REPAIR STONE BRIDGE OVER HUNTS BROOK-OLD NORWICH ROAD	1							400,000	400,000
	MILL/PAVE VAUXHALL ST	8						598,580		598,580
	MILL/PAVE BRAYMAN ROAD	1						252,650		252,650
	MILL/PAVE NILES HILL ROAD	1						128,770		128,770
	MILL/PAVE LLOYD ROAD	1						70,090		70,090
	RECLAIM/PAVE LAKES POND ROAD	1						141,519		141,519
	MILL/PAVE WAY HILL ROAD	1							126,840	126,840
	MILL/PAVE OIL MILL ROAD	1							340,750	340,750
	MILL/PAVE BUTLERTOWN ROAD	1							375,550	375,550
TOTAL PUBLIC WORKS			**801,390**	**801,390**		**2,442,801**	**3,775,965**	**1,191,609**	**1,243,140**	**9,454,905**

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PROGRAM - FIRST SELECTMAN'S RECOMMENDATIONS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	DEPARTMENT REQUEST FISCAL YEAR 2018-2019	FIRST SELECTMAN RECOMMENDED 2018-2019	FIRST SELECTMAN'S COMMENTS	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
UTILITY COMMISSION										
WW INFRASTRUCTURE PROJECTS										
1	IN-LINE WASTEWATER SOLIDS GRINDERS	1	85,000	85,000		85,000	85,000	85,000	85,000	425,000
2	GRINDER PUMPS REPLACEMENT	2	28,000	28,000		29,000	30,000	31,000	32,000	150,000
3	OLD NORWICH PS (STATION REHAB)	3	475,000	475,000		375,000				850,000
5	WASTEWATER PUMP STATIONS - FLOOD PROTECTION	3	100,000	100,000		130,000				230,000
6	MARILYN RD. WIEMES CT - REPLACE EJECTORS	3				475,000	500,000			975,000
7	CROSS RD. PS - PARTIAL UPGRADE	3				491,000				491,000
8	STONEY BROOK PS- PARTIAL UPGRADE	3				511,000				511,000
10	PUMP STATIONS REMAINING	3				400,000	400,000	400,000		1,200,000
9	FORCE MAIN AIR RELEASE VALVES - EVALUATE & REPLACE	3	13,000	13,000		13,000	14,000	15,000		55,000
11	INFLOW & INFILTRATION MITIGATION & CONTROL	3					350,000	275,000		625,000
12	FUTURE SSES/CMOM	2	33,000	33,000		33,000	33,000	33,000	33,000	165,000
13	NLWWTP CTDEP DRAFT ORDER						300,000			300,000
Commitment	LI SOUND NITROGEN REDUCTION PMT TO NEW LO	2	44,600	44,600		43,900	43,200	42,500	41,800	216,000
	CO-OP SEWER LATERAL EXT****	4					375,000	375,000	350,000	1,100,000
14	NLWWTP SLUDGE STORAGE TANKS	2	46,000	46,000		46,000	46,000	46,000	46,000	230,000
WATER INFRASTRUCTURE PROJECTS										0
4	FARGO LANE/DOUGLAS HILL WATER TANK REHAB	3	400,000		Moved out one year with Tali's agreement	400,000	450,000			850,000
15	PLEASURE BEACH WATER LINES REPLACEMENT	3						175,000	400,000	575,000
16	BARTLETT CORNER PS DECOMMISSION	3							60,000	60,000
TOTAL UTILITY COMMISSION			**1,224,600**	**824,600**		**3,031,900**	**2,626,200**	**1,477,500**	**1,047,800**	**9,008,000**
BOARD OF SELECTMEN:										
2	ADA COMPLIANCE II	1				50,000				50,000
TOTAL BOARD OF SELECTMEN			**0**	**0**		**50,000**	**0**	**0**	**0**	**50,000**
MUNICIPAL BUILDINGS MAINTENANCE										
PUBLIC SAFETY										
3	POLICE & PUBLIC SAFETY HVAC STUDIES	1	14,000	14,000						14,000
TOWN HALL										
1	TOWN HALL FIRE SYSTEM	1	72,000	72,000						72,000
4	TOWN HALL EMERGENCY EGRESS	1	45,000			45,000				45,000
5	TOWN HALL CONFERENCE ROOM IMPROVEMENTS	6				20,000				20,000
YOUTH SERVICES										
2	YSB FIRE SYSTEM	1	38,000	38,000						38,000
TOTAL MUNICIPAL BUILDINGS MAINTENANCE			**169,000**	**124,000**		**65,000**	**0**	**0**	**0**	**189,000**
TOTAL GENERAL GOVERNMENT			**5,656,044**	**4,917,697**		**8,650,174**	**8,557,123**	**4,666,591**	**3,838,207**	**30,629,792**

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PROGRAM - FIRST SELECTMAN'S RECOMMENDATIONS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	DEPARTMENT REQUEST FISCAL YEAR 2018-2019	FIRST SELECTMAN RECOMMENDED 2018-2019	FIRST SELECTMAN'S COMMENTS	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
BOARD OF EDUCATION										
6	WHS - TURF FIELD AND TRACK	3	150,000	100,000	Revised with BOE	150,000	150,000	200,000	100,000	700,000
	WHS - TURF FIELD AND TRACK 2032	3							100,000	100,000
5	QH - HEAT PUMP REPLACEMENT	3	22,000		Revised with BOE	22,000	22,000	22,000	22,000	88,000
1	QH -10 YR RETRO-COMMISSIONING	3	96,000	30,000	Revised with BOE					30,000
	OSW - 10 YR RETRO-COMMISSIONING	3				30,000				30,000
	GN -10 YR RETRO-COMMISSIONING	3					30,000			30,000
	WHS - RETRO COMMISSIONING	3						200,000		200,000
2	IT LEARNING BOARDS-END OF LIFE	3	200,000	200,000		200,000	200,000	200,000		800,000
4	IT SECURITY DVR CAMERAS	3	30,000		Revised with BOE	30,000	30,000	30,000	30,000	120,000
	IT BOE MUNIS IMPLEMENTATION	3							200,000	200,000
3	IT VIRTUAL DESKTOP MAIN PROCESSOR	3	150,000	150,000		150,000				300,000
	IT CLMS TV STUDIO SYSTEMS	3				40,000				40,000
	IT DISTRICT PHONE SYSTEM	3					100,000			100,000
	IT VIDEO DISTRIBUTION SYSTEM	3					75,000			75,000
	IT HS TV STUDIO SYSTEMS	3							160,000	160,000
TOTAL BOARD OF EDUCATION			648,000	480,000		622,000	607,000	652,000	612,000	2,973,000
TOTAL CIP FUNDING REQUESTED			6,304,044	5,397,697		9,272,174	9,164,123	5,318,591	4,450,207	33,602,792
	CURRENT YEAR CAPITAL IMPROVEMENTS (CYC)	1	$2,686,565	$2,551,846		$2,110,849	$1,768,083	$1,943,744	$2,578,140	$10,952,662
	UTILITY BUDGET/SEWER CAP MAINT FUND	2	$151,600	$151,600		$151,900	$152,200	$152,500	$152,800	$761,000
	CNR	3	2,282,650	1,461,447		4,617,113	2,972,040	1,983,767	1,274,267	$12,308,634
	SHORT AND LONG TERM DEBT FINANCING	4	$1,000,000	$1,000,000		$0	$375,000	$375,000	$350,000	$2,100,000
	LoCIP	5	$202,804	$202,804		$0	$0	$0	$0	$202,804
	UNDESIGNATED FUND BALANCE	6	$0	$0		$20,000	$0	$0	$0	$20,000
	FEDERAL/STATE GRANTS	7	$0	$0		$1,884,000	$0	$0	$0	$1,884,000
	OTHER	8	$0	$30,000		0	$3,406,800	$598,580	$0	$4,035,380
	GRAND TOTALS		$6,323,619	$5,397,697		$8,783,862	$8,674,123	$5,053,591	$4,355,207	$32,264,480

CAPITAL BUDGET - IMPACT ON MILL RATE	ADOPTED FY18	DEPT REQUEST FY19	INCREASE OVER P/Y	% INCREASE OVER P/Y
CURRENT YEAR CAPITAL	2,564,173	2,551,846	(12,327)	-0.48%
CAPITAL NON-RECURRING	1,337,678	1,461,447	123,769	9.25%
TOTAL CAPITAL BUDGET	3,901,851.00	4,013,293.00	111,442	2.86%

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PROGRAM - DEPARTMENT REQUESTS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
FLEET MANAGEMENT (SELECTMEN)								
1	FLEET MANAGEMENT PLAN	1	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000	6,250,000
TOTAL FLEET MANAGEMENT			**1,250,000**	**1,250,000**	**1,250,000**	**1,250,000**	**1,250,000**	**6,250,000**
ASSESSOR								
1	REVALUATION PROJECT	3	75,000	75,000	75,000	75,000	75,000	375,000
TOTAL ASSESSOR			**75,000**	**75,000**	**75,000**	**75,000**	**75,000**	**375,000**
INFORMATION TECHNOLOGY								
	MICROSOFT WINDOWS SERVER/ EXCHANGE 2016 (PHYSICAL SERVER FOR EMAIL)	1	15,201					15,201
	MICROSOFT EMAIL SYSTEM SOFTWARE/ WITH WINDOWS SERVER	1	29,550					29,550
	REC TRAC SOFTWARE*1	1	31,644					31,644
	HARDWARE REFRESH (27 NEW COMPUTERS)*2	1, 3	25,580	26,348	48,391			100,319
	TOWN WIDE WIFI (FINAL PHASE)	1	25,000					25,000
	CORE SWITCHES & BLADES - EOC/TOWN HALL	1, 3	12,000	22,200				34,200
	SWITCHES	3				18,000		18,000
	PHONE SYSTEM (HARDWARE/SOFTWARE UPGRADES)*3	3			5,250	11,000	17,417	33,667
	VMWARE/VIRTUAL SERVERS (Hosts, Software)	3		12,100	12,100	12,100	12,100	48,400
	SAN (STORAGE AREA NETWORK)	1	42,000					42,000
	FIBER UPGRADE (Town Hall to PD/YS/EOC, Community Center, Library) *4	3		7,000	7,000	7,000	7,000	28,000
	MERAKI FIVE YEAR LICENSING (Cisco Wireless Access Points)	3		5,750	5,750	5,750	5,750	23,000
	TOWN WIDE CAMERA SYSTEM *5	3		95,000	97,200	77,000	77,000	346,200
TOTAL INFORMATION TECHNOLOGY			**180,975**	**168,398**	**175,691**	**130,850**	**119,267**	**775,181**
LIBRARY								
								0
TOTAL LIBRARY			**0**	**0**	**0**	**0**	**0**	**0**

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PROGRAM - DEPARTMENT REQUESTS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
FIRE SERVICES								
1	FIRE SERVICES-SCBA UPGRADE PROGRAM	1	140,000					140,000
	FIRE SERVICES -EQUIP. REPLACEMENT PLAN			75,000	75,000	75,000	75,000	300,000
4	PUBLIC SAFETY - CARPET REPLACEMENT	3	30,000					30,000
2	FIRE DEPT - FIRE STATION TELEPHONE SYSTEMS	1	110,000					110,000
3	FIRE DEPT - HYDRAULIC EQUIPMENT UPGRADE	3	100,000	100,000				200,000
	FIRE DEPT-ACCOUNTABILITY SYSTEM					50,000		50,000
	JORDAN - FIRE ESCAPE REPLACEMENT							0
	QUAKER HILL - EMERGENCY GENERATOR				50,000			50,000
	QUAKER HILL - PARKING LOT PROJECT					50,000		50,000
	QUAKER HILL - ROOF PROJECT					100,000		100,000
	GOSHEN - RESTROOM RENOVATION							0
	GOSHEN - BUNKROOM RENOVATION			50,000				50,000
	GOSHEN-APPARATUS FLOOR DRAINAGE					25,000		25,000
	GOSHEN-AIR CONDITIONING SYSTEM				25,000			25,000
	OSWETGATCHIE-BUILDING RENOVATIONS	3	1,000,000					1,000,000
	OSWETGATCHIE-CASCADE SYSTEM REPLACEMENT				75,000			75,000
	COHANZIE - UST REPLACEMENT			400,000				400,000
	COHANZIE - RESCUE TRUCK EQUIPMENT			20,000	20,000	20,000	20,000	80,000
	COHANZIE - EMERGENCY GENERATOR				50,000			50,000
	COHANZIE - FLAT ROOF REPLACEMENT					100,000		100,000
	COHANZIE - OVERHEAD DOOR REPLACEMENT				25,000			25,000
TOTAL FIRE COMMISSION			**1,380,000**	**645,000**	**320,000**	**420,000**	**95,000**	**2,860,000**

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PROGRAM - DEPARTMENT REQUESTS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
POLICE DEPARTMENT								
1	PHASE III FURNITURE & FLOORING	1	82,799					82,799
2	INFRARED CAMERAS IN CARS	1, 3	14,380	14,812	15,527	15,715		60,434
5	LOCKER ROOM LOCKERS	1, 3	19,575	20,163	20,768	21,392		81,898
4	ACCIDENT INVESTIGATION EQUIPMENT	1	12,000					12,000
3	UNMANNED AERIAL VEHICLE	1	20,000					20,000
6	RANGE IMPROVEMENTS	1	14,000					14,000
7	IMPOUND YARD IMPROVEMENTS			20,000	20,000	20,000		60,000
8	UTILITY TERRAIN VEHICLE	3		7,500				7,500
9	MARINE OUTBOARD MOTORS	3		8,000	8,000	8,000	8,000	32,000
TOTAL POLICE			**162,754**	**70,475**	**64,295**	**65,107**	**8,000**	**370,631**
EMERGENCY MANAGEMENT								
3	MOBILE & PORTABLE RADIO REPLACEMENT PROGRAM	3	213,447	213,447	213,447			640,341
TOTAL EMERGENCY MANAGEMENT			**213,447**	**213,447**	**213,447**	**0**	**0**	**640,341**
FLOOD AND EROSION BOARD								
1	ALEWIFE COVE MAINTENANCE DREDGING	3		100,000				100,000
TOTAL FLOOD AND EROSION BOARD			**0**	**100,000**	**0**	**0**	**0**	**100,000**
RECREATION AND PARKS								
1	VETERAN'S FIELD IRRIGATION SYSTEM	1	13,700					13,700
2	LEARY PARK IRRIGATION	1	47,300					47,300
3	CHILDREN'S PLAYGROUND	1, 8	25,000					25,000
4	STENGER FARM PARK RESTROOMS	1	87,000					87,000
5	VETERAN'S FIELD LIGHTING	3		306,000				306,000
								0
TOTAL RECREATION AND PARKS			**173,000**	**306,000**	**0**	**0**	**0**	**479,000**
EUGENE O'NEILL THEATER CENTER WATERFORD CAMPUS								
1	FIRE APPARATUS ACCESS ROAD REPAIR	1	14,250					14,250
2	INSTALLATION OF LIGHTING SYSTEM ON WATERFORD CAMPUS	3		60,000				60,000
3	COOPER BEACH TREES ROOT AIRSPADE & EDITH OLIVER THEATER SWEET	1	11,628					11,628
TOTAL EUGENE O'NEILL THEATER			**25,878**	**60,000**	**0**	**0**	**0**	**85,878**

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PROGRAM - DEPARTMENT REQUESTS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
PUBLIC WORKS								
	MUNICIPAL COMPLEX RENOVATIONS	4						0
1	WESTWOOD/WEST NECK RECLAIM/PAVE	1	181,216					181,216
2	PEPPERBOX ROAD - MILL/PAVE	1	202,804					202,804
3	MYROCK AVE - MILL/PAVE	1	112,617					112,617
4	MULLEN HILL - MILL/PAVE	1	198,859					198,859
5	STONEHEIGHTS ROAD - MILL/PAVE	1	105,894					105,894
6	INDUSTRIAL DRIVE - RECLAIM/PAVE	1		229,892				229,892
7	MILLSTONE EAST - MILL/PAVE	1		328,909				328,909
	GARDINERS WOOD ROAD CONSTRUCTION	7		1,884,000				1,884,000
	CROSS ROAD	8			3,406,800			3,406,800
	CHAPMAN AVE - MILL/PAVE	1			78,260			78,260
	PILGRIM ROAD SOUTH - MILL/PAVE	1			52,964			52,964
	BLOOMINGDALE SOUTH - MILL/PAVE	1			116,204			116,204
	GALLOWS LANE - MILL/PAVE	1			121,737			121,737
	INSPECT/REPAIR STONE BRIDGE OVER HUNTS BROOK-OLD NORWICH ROAD	1					400,000	400,000
	VAUXHALL ST. - MILL/PAVE	8				598,580		598,580
	BRAYMAN ROAD - MILL/PAVE	1				252,650		252,650
	NILES HILL ROAD - MILL/PAVE	1				128,770		128,770
	LLOYD ROAD - MILL/PAVE	1				70,090		70,090
	LAKES POND ROAD - RECLAIM/PAVE	1				141,519		141,519
	WAY HILL ROAD - MILL/PAVE	1					126,840	126,840
	OILMILL ROAD - MILL/PAVE	1					340,750	340,750
	BUTLERTOWN ROAD - MILL/PAVE	1					375,550	375,550
TOTAL PUBLIC WORKS			**801,390**	**2,442,801**	**3,775,965**	**1,191,609**	**1,243,140**	**9,454,905**

TOWN OF [illegible]TERFORD
CAPITAL IMPROVEMENT PROGRAM - DEPARTMENT REQUESTS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
UTILITY COMMISSION								
WW INFRASTRUCTURE PROJECTS								
1	IN-LINE WASTEWATER SOLIDS GRINDERS	1	85,000	85,000	85,000	85,000	85,000	425,000
2	GRINDER PUMPS REPLACEMENT	2	28,000	29,000	30,000	31,000	32,000	150,000
3	OLD NORWICH PS (STATION REHAB)	3	475,000	375,000				850,000
5	WASTEWATER PUMP STATIONS -FLOOD PROTECTION	3	100,000	130,000				230,000
6	MARILYN RD. WIEMES CT - REPLACE EJECTORS	3		475,000	500,000			975,000
7	CROSS RD. PS - PARTIAL UPGRADE	3		491,000				491,000
8	STONEY BROOK PS- PARTIAL UPGRADE	3		511,000				511,000
10	PUMP STATIONS REMAINING	3		400,000	400,000	400,000		1,200,000
9	FORCE MAIN AIR RELEASE VALVES - EVALUATE & REPLACE	3	13,000	13,000	14,000	15,000		55,000
11	INFLOW & INFILTRATION MITIGATION & CONTROL	3			350,000	275,000		625,000
12	FUTURE SSES/CMOM	2	33,000	33,000	33,000	33,000	33,000	165,000
13	NLWWTP CTDEP DRAFT ORDER	3			300,000			300,000
Commitment	LI SOUND NITROGEN REDUCTION PMT TO NEW LONDON	2	44,600	43,900	43,200	42,500	41,800	216,000
	CO-OP SEWER LATERAL EXT****	4			375,000	375,000	350,000	1,100,000
14	NLWWTP SLUDGE STORAGE TANKS	2	46,000	46,000	46,000	46,000	46,000	230,000
WATER INFRASTRUCTURE PROJECTS								
4	FARGO LANE/DOUGLAS HILL WATER TANK REHAB	3	400,000	450,000				850,000
15	PLEASURE BEACH WATER LINES REPLACEMENT	3				175,000	400,000	575,000
16	BARTLETT CORNER PS DECOMMISSION	3					60,000	60,000
TOTAL UTILITY COMMISSION			**1,224,600**	**3,081,900**	**2,176,200**	**1,477,500**	**1,047,800**	**9,008,000**
BOARD OF SELECTMEN:								
2	ADA COMPLIANCE II	1		50,000				50,000
TOTAL BOARD OF SELECTMEN			**0**	**50,000**	**0**	**0**	**0**	**50,000**

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PROGRAM - DEPARTMENT REQUESTS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
MUNICIPAL BUILDINGS MAINTENANCE								
PUBLIC SAFETY								
3	POLICE & PUBLIC SAFETY HVAC STUDIES	1	14,000					14,000
TOWN HALL								
1	TOWN HALL FIRE SYSTEM	1	72,000					72,000
4	TOWN HALL EMERGENCY EGRESS	1	45,000					45,000
5	TOWN HALL CONFERENCE ROOM IMPROVEMENTS	6		20,000				20,000
YOUTH SERVICES								
2	YSB FIRE SYSTEM	1	38,000					38,000
TOTAL MUNICIPAL BUILDINGS MAINTENANCE			**169,000**	**20,000**	**0**	**0**	**0**	**189,000**
TOTAL GENERAL GOVERNMENT			**5,656,044**	**8,483,021**	**8,050,598**	**4,610,066**	**3,838,207**	**30,637,936**
BOARD OF EDUCATION								
6	WHS - TURF FIELD AND TRACK	3	150,000	150,000	150,000	200,000		650,000
	WHS - TURF FIELD AND TRACK 2032	3					100,000	100,000
5	QH - HEAT PUMP REPLACEMENT	3	22,000	22,000	22,000	22,000	22,000	110,000
1	QH -10 YR RETRO-COMMISSIONING	3	96,000					96,000
	OSW - 10 YR RETRO-COMMISSIONING	3		30,000				30,000
	GN -10 YR RETRO-COMMISSIONING	3			30,000			30,000
	WHS - RETRO COMMISSIONING	3				200,000		200,000
2	IT LEARNING BOARDS-END OF LIFE	3	200,000	200,000	200,000	200,000		800,000
4	IT SECURITY DVR CAMERAS	3	30,000	30,000	30,000	30,000	30,000	150,000
	IT BOE MUNIS IMPLEMENTATION	3					200,000	200,000
3	IT VIRTUAL DESKTOP MAIN PROCESSOR	3	150,000	150,000				300,000
	IT CLMS TV STUDIO SYSTEMS	3		40,000				40,000
	IT DISTRICT PHONE SYSTEM	3			100,000			100,000
	IT VIDEO DISTRIBUTION SYSTEM	3			75,000			75,000
	IT HS TV STUDIO SYSTEMS	3					160,000	160,000
TOTAL BOARD OF EDUCATION			**648,000**	**622,000**	**607,000**	**652,000**	**512,000**	**3,041,000**

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PROGRAM - DEPARTMENT REQUESTS
FISCAL YEARS 2019-2023

DEPT PRIORITY		2019-2023 FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTALS
TOTAL CIP FUNDING REQUESTED			**6,304,044**	**9,105,021**	**8,657,598**	**5,262,066**	**4,350,207**	**33,678,936**
	CURRENT YEAR CAPITAL IMPROVEMENTS (CYC)	1	$3,097,997	$2,027,324	$1,788,851	$1,965,136	$2,578,140	$11,457,448
	UTILITY BUDGET/SEWER CAP MAINT FUND	2	$151,600	$151,900	$152,200	$152,500	$152,800	$761,000
	CNR	3	3,096,447	4,456,797	2,594,747	1,730,850	1,174,267	$13,053,108
	SHORT AND LONG TERM DEBT FINANCING	4	$0	$0	$375,000	$375,000	$350,000	$1,100,000
	LoCIP	5						$0
	UNDESIGNATED FUND BALANCE	6	$0	$20,000	$0	$0	$0	$20,000
	FEDERAL/STATE GRANTS	7	$0	$1,884,000	$0	$0	$0	$1,884,000
	OTHER	8	$0	$0	$3,406,800	$598,580	$0	$4,005,380
	GRAND TOTALS		**$6,346,044**	**$8,540,021**	**$8,317,598**	**$4,822,066**	**$4,255,207**	**$32,280,936**

CAPITAL BUDGET - IMPACT ON MILL RATE	ADOPTED FY18	DEPT REQUEST FY19	INCREASE OVER P/Y	% INCREASE OVER P/Y
CURRENT YEAR CAPITAL	2,564,173	3,097,997	533,824	20.82%
CAPITAL NON-RECURRING	1,337,678	3,096,447	1,758,769	131.48%
TOTAL CAPITAL BUDGET	3,901,851.00	6,194,444.00	2,292,593	58.76%

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM-FY 2019-2023

	DEPARTMENT/ AGENCY:	ASSESSOR						
DEPT PRIORITY	PROJECT NAME	FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTAL
1	REVALUATION	3	75,000.00	75,000.00	75,000.00	75,000.00	75,000.00	**375,000.00**
								0.00
								0.00
								0.00
								0.00
								0.00
								0.00
								0.00
								0.00
	TOTALS		**75,000.00**	**75,000.00**	**75,000.00**	**75,000.00**	**75,000.00**	**375,000.00**

INDEX TO FUNDING SOURCES,

1 CURRENT YEAR CAPITAL IMPROVEMENTS
3 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

DEPARTMENT/AGENCY ASSESSMENT / FINANCE	**CONTACT PERSON** TERENCE DINNEAN
PROJECT NAME REVALUATION 22	**DEPARTMENT PRIORITY** 1

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

Revaluation is a State mandated obligation for all municipalities. Based on a review of the recent revaluation, effective 10/1/2017, the costs are estimated at approximately $35/parcel for a full revaluation. The 2022 revaluation will entail physical inspections and photos. Additionally, Millstone Nuclear Power Plant valuation is seperately funded due to it's unique nature, and possible adjudication is acknowledged in this analysis.

2 PROJECT STATUS IF IN PROGRESS

This project will not begin until 2021. We have recently finalized the Rvaluation for October 1, 2017

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

None. Revaluation is mandated by Connecticut General Statutes

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

Revalutaion is a self contained project with the staff provided by the successful bidder therefore it does not impact the operating budget of the Assessment Department

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

There is no outside grant funding

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

The cost/fudning is based the anticipated cost and documented costs currently incurred for the 2017 revaluation

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
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	75,000	75,000	75,000	75,000	75,000	75,000
7	Federal/State Grants (detail in section 5)						
8	Other Funding (detail in section 5 above)						
	TOTALS	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**

BASIS FOR CIP REQUEST FOR REVALUATION

YEAR OF Revaluation	parcel count		Vision Cost		cost per parcel
2017	9,280	$	119,000	$	12.82
statisical update with data mailers					
	misc costs				
	mailers	$	9,000		
	misc inspections	$	12,500		
	notices	$	9,000		
	gis	$	5,500		
		$	36,000		
	Millstone & Land	$	75,000		
		Total Estimated		$	230,000
	Total incurred to date				

YEAR OF Revaluation	Est parcel count		Estimated Vision Cost		cost per parcel
2022	9,500	$	380,000	$	40.00
full list and measure					
	misc costs				
	mailers		incl		
	misc inspections		incl		
	notices		incl		
	gis		n/a		
		$	-		
	Millstone & Land	$	75,000		
		Total Estimated		*$*	*455,000*

FUNDING	FY18	FY19	FY20	FY21	FY22	FY23
Fund	*$ 75,000*	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000
Balance 6/30/17 $ 277,000	**$ 352,000**					
Encumbered		n/a	n/a	n/a	*$ 455,500*	
VGSI	$ 42,412					
misc appraisal	$ 75,000					
sub total	*$ 234,588*					
Unencumbered Balance of appropriated	**$ 50,000**					
Fund Balance	**$ 284,588**	$ 359,588	$ 434,588	$ 509,588	$ 129,088	$ 204,088

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM-FY 2019-2023

	DEPARTMENT/ AGENCY: Building Maintenance							
DEPT PRIORITY	**PROJECT NAME**	**FUNDING SOURCE**	**FISCAL YEAR 2018-2019**	**FISCAL YEAR 2019-2020**	**FISCAL YEAR 2020-2021**	**FISCAL YEAR 2021-2022**	**FISCAL YEAR 2022-2023**	**TOTAL**
1	Town Hall Fire System	1	72,000.00					**72,000.00**
2	YSB Fire System	1	38,000.00					**38,000.00**
3	Police and Public Safety HVAC Studies	1	14,000.00					**14,000.00**
4	Town Hall Emergency Egress Enclosre	1	45,000.00					**45,000.00**
5	Town Hall Conference Room Improvements	6		20,000.00				**20,000.00**
								0.00
								0.00
								0.00
								0.00
	TOTALS		**169,000.00**	**20,000.00**	**0.00**	**0.00**	**0.00**	**189,000.00**

INDEX TO FUNDING SOURCES,

1 CURRENT YEAR CAPITAL IMPROVEMENTS
3 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

DEPARTMENT/AGENCY Building Maintenance	**CONTACT PERSON** Abby Piersall
PROJECT NAME Town Hall Fire Alarm System	**DEPARTMENT PRIORITY** 1

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

The fire alarm system in Town Hall is no longer code compliant and needs to be replaced. A new, addressable system would meet code requirements and provide a greater level of accuracy in relaying information to dispatch if an alarm is activated. The estimated cost for this work is $72,000 and includes all fire alarm equipment, installation, programming, testing, National Fire Protection Association (NFPA) Certification and equipment training.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

No other projects will be directly impacted by this request.

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

N/A

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)

Attached: Quote for Town Hall Fire System Improvements

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		72,000				
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**	**72,000**	**0**	**0**	**0**	**0**

INTEGRATED TECHNICAL SYSTEMS, INC.

Town of Waterford
Wayne Fraser

October 12, 2017

Subject; Town Hall
Fire Alarm & Access
Control System Budget

I-T-S will provide a new fire alarm system and additional card readers for the town hall building complete to include all equipment, design services, installation, configuration, programming and testing.

* The following Equipment and Services will be provided;

* Fire Alarm Equipment

* Access Control Card Readers

* Electric Door Locks

* Complete Installation of Equipment

* Complete Testing with NFPA Provided Certification

* Equipment Warranties

* Equipment Training

Total Budgetary Cost Fire Alarm 72,000.00

Budgetary Unit Cost Access Control for 1 door setup complete to include, card reader, electric lock, cabling, and installation. 2,800.00

Please call with any questions
Bill Korbelak

Integrated Technical Systems, Inc.
Eight Capital Drive • Wallingford, CT 06492 • Tel: (203) 265-8100 • Fax: (203) 949-4710

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Building Maintenance	**CONTACT PERSON** Abby Piersall
PROJECT NAME Youth Services Alarm System	**DEPARTMENT PRIORITY** 2

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

The fire alarm system at the Youth Services Building is no longer code compliant and needs to be replaced. A new, addressable system would meet code requirements and provide a greater level of accuracy in relaying information to dispatch if an alarm is activated. The estimated cost for this work is $38,000 and includes all fire alarm equipment, installation, programming, testing, National Fire Protection Association (NFPA) Certification and equipment training.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

No other projects will be directly impacted by this request.

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

N/A

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)

Attached: Quote for Youth Services Fire System Improvements

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		38,000				
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**	**38,000**	**0**	**0**	**0**	**0**

INTEGRATED TECHNICAL SYSTEMS, INC.

Town of Waterford
Wayne Fraser

October 12, 2017

Subject; Youth Services
Building Fire Alarm
System Budget

I-T-S will provide a new fire alarm system for the Youth Services building complete to include all equipment, design services, installation, configuration, programming and testing.

* The following Equipment and Services will be provided;

* Fire Alarm Equipment

* Complete Installation of Equipment

* Complete Testing with NFPA Provided Certification

* Equipment Warranties

* Equipment Training

Total Budgetary Cost 38,000.00

Please call with any questions
Bill Korbelak

Integrated Technical Systems, Inc.
Eight Capital Drive • Wallingford, CT 06492 • Tel: (203) 265-8100 • Fax: (203) 949-4710

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Building Maintenance	**CONTACT PERSON** Abby Piersall
PROJECT NAME HVAC Systems Studies for Police and Emergency Mgmt	**DEPARTMENT PRIORITY** 3

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

The HVAC systems at both the Police Department and Emergency Management are aging and should be evaluated for performance and efficiency issues. This project includes a full assessment of the HVAC systems in both buildings, recommendations for system repairs or upgrades, and an estimate of probable costs to perform the recommended work. Evaluating the HVAC systems in both buildings is the first step in determining a budget for future HVAC work. The cost estimate to complete this work was provided by Silver/Petrucelli and Associates. SP+A conducted the evaluation of Town Hall and YSB and was subsequently hired to develop the bid specifications for the HVAC projects in those buildings. The $14,000 would pay for a report of system conditions in both buildings and recommendations for HVAC system upgrades. The report would be used to help the Town prioritize future Capital projects at the Police Department and Emergency Management.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

No other projects will be directly impacted by this request.

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

N/A

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)

Email estimate from Silver/Petrucelli and Associates.

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		14,000				
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**	**14,000**	**0**	**0**	**0**	**0**

Wayne Fraser

From: Ken Eldridge [keldridge@silverpetrucelli.com]
Sent: Thursday, October 19, 2017 9:14 AM
To: Wayne Fraser
Cc: Abby Piersall
Subject: RE: Waterford approvals

Wayne,

Our budget number for the studies for the two buildings would be in the range of $14,000 with the deliverables being the report of recommended systems and approaches for both of those buildings combined. Hopefully that gets you a decent placeholder for the budget. I'll wait to hear back from you on the library so we can flush out the scope, timing, etc. Don't hesitate to let me know if you need anything else for your planning purposes.

Sincerely,

Kenneth J. Eldridge, PE
Senior Mechanical Engineer

SILVER / PETRUCELLI + ASSOCIATES
P: 203.230.9007 x 260 | F: 203.230.8247 | C: 203.671.3976

From: Wayne Fraser [mailto:wfraser@waterfordct.org]
Sent: Wednesday, October 04, 2017 10:49 AM
To: Ken Eldridge <keldridge@silverpetrucelli.com>
Cc: Abby Piersall <apiersall@waterfordct.org>
Subject: Waterford approvals

We are all approved and Abby will set up a conference call to move to the next step.

Could you give me a budget number for two new HVAC replacement studies. Police and Public Safety. We are working the next budget and need to decide on the extent of the next HVAC replacement projects.

Police built 1991, 26,000 sgft.
Public Safety 9,400 sgft.

Town of Waterford
Wayne Fraser
Municipal Facility Coordinator
860-444-5813, cell 860-908-9235

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Building Maintenance	**CONTACT PERSON** Abby Piersall and Wayne Fraser
PROJECT NAME Town Hall Emergency Egress Enclosure	**DEPARTMENT PRIORITY** 4

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

This request is to replace the paneling on the enclosure for the emergency access stairs on the rear of the Town Hall and to add an access door to the roof. The recent window and brick replacement projects at Town Hall have highlighted the need to replace the paneling on the exterior of the emergency access staircase to the second floor of Town Hall. This asbestos paneling is faded and will continue to deteriorate over time. Currently, the material is intact. It is recommended that the material be removed before it becomes friable. The asbestos paneling would be removed and replaced with cement board siding. A roof access door would be installed to provide access to rooftop mechanical equipment and to provide safer access for roof inspections during heavy snow or ice events. Currently the Town Hall roof is only accessible by a lift. The Building Department provided an estimate of $42,350 for the FY 2018-2022 CIP. The estimate has been increased by 5% to account for annual increases in construction costs. The total project cost is anticipated to be $44,468. The funding request has been rounded to $45,000.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

No other projects will be directly impacted by this request.

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

N/A

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)

Attached: Opinion of Probable Costs for the Town Hall Emergency Egress Stair Enclosure

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		45,000				
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**	**45,000**	**0**	**0**	**0**	**0**

Opinion of Probable Costs
Waterford Town Hall – Emergency Egress Stair Enclosure

• Remove and dispose of transite (asbestos) panels (1000 SF)	$4,000
• Professional design services (bid/construction documents)	$6,000
• New access ladder to high roof	$1,000
• New access door, frame and hardware to roof from enclosure	$2,400
• Hollow metal double doors, frame and hardware	$4,500
• Remove and reinstall existing gutters and downspouts	$1,200
• New flashing and metal trim	$1,000
• Metal stud infill between existing steel frame (1000 SF)	$4,500
• Exterior sheathing over metal studs (1000 SF)	$2,500
• Horizontal cement board siding (1000 SF)	$4,000
• Miscellaneous caulking, sealants, etc.	$500
• Remove and reinstall signage	$200
• Remove and reinstall electrical /lighting	$500
• Painting (1000 SF)	$2,200
• New light at roof access door	$500
Total	**$35,000**

General Conditions:

10% of $35,000 = $3,500

Total: ,

$38,500.00

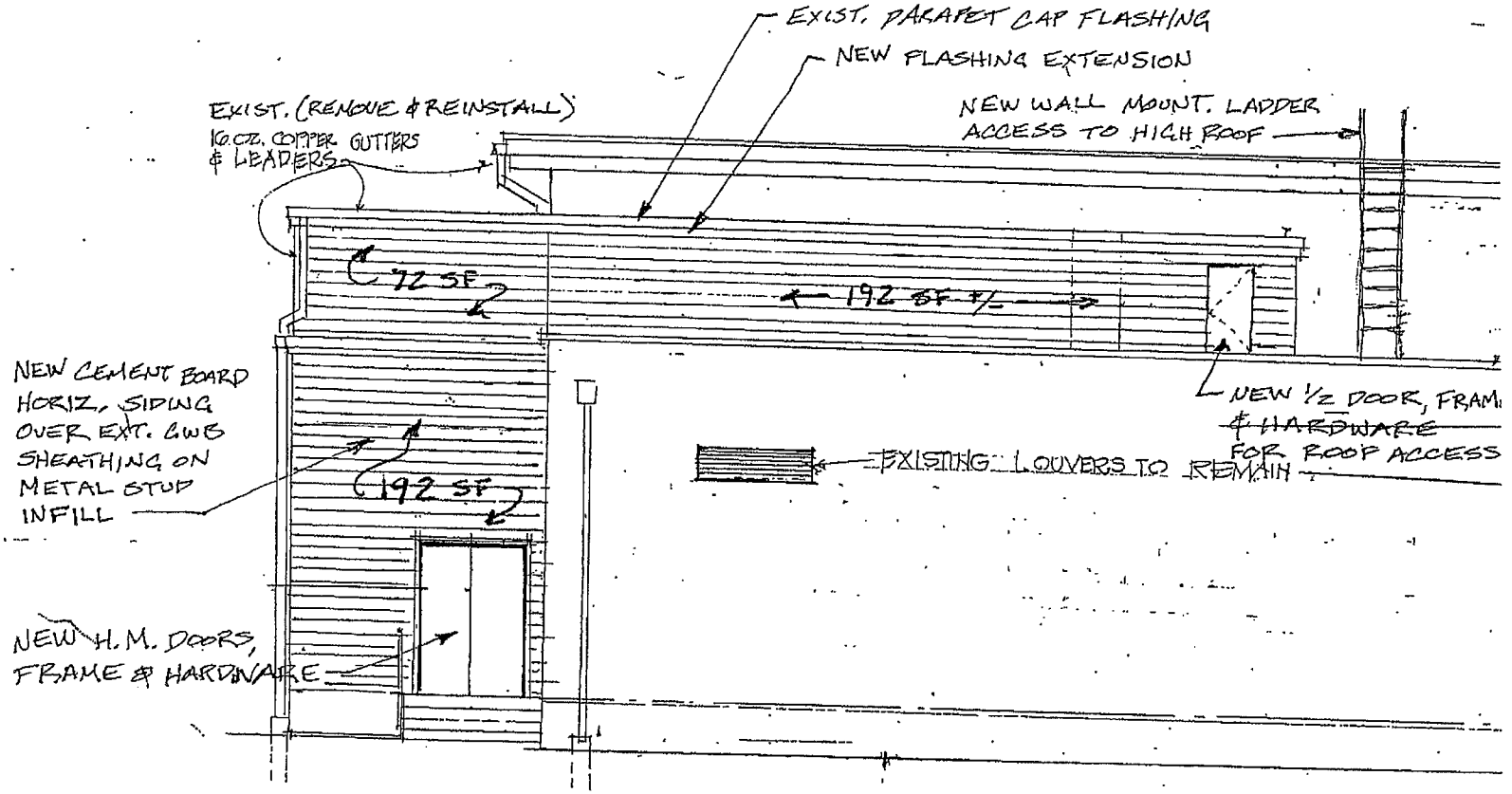
Contingency:

10% of $38,500 = $3,850

Total budget for stair enclosure = $42,350.00

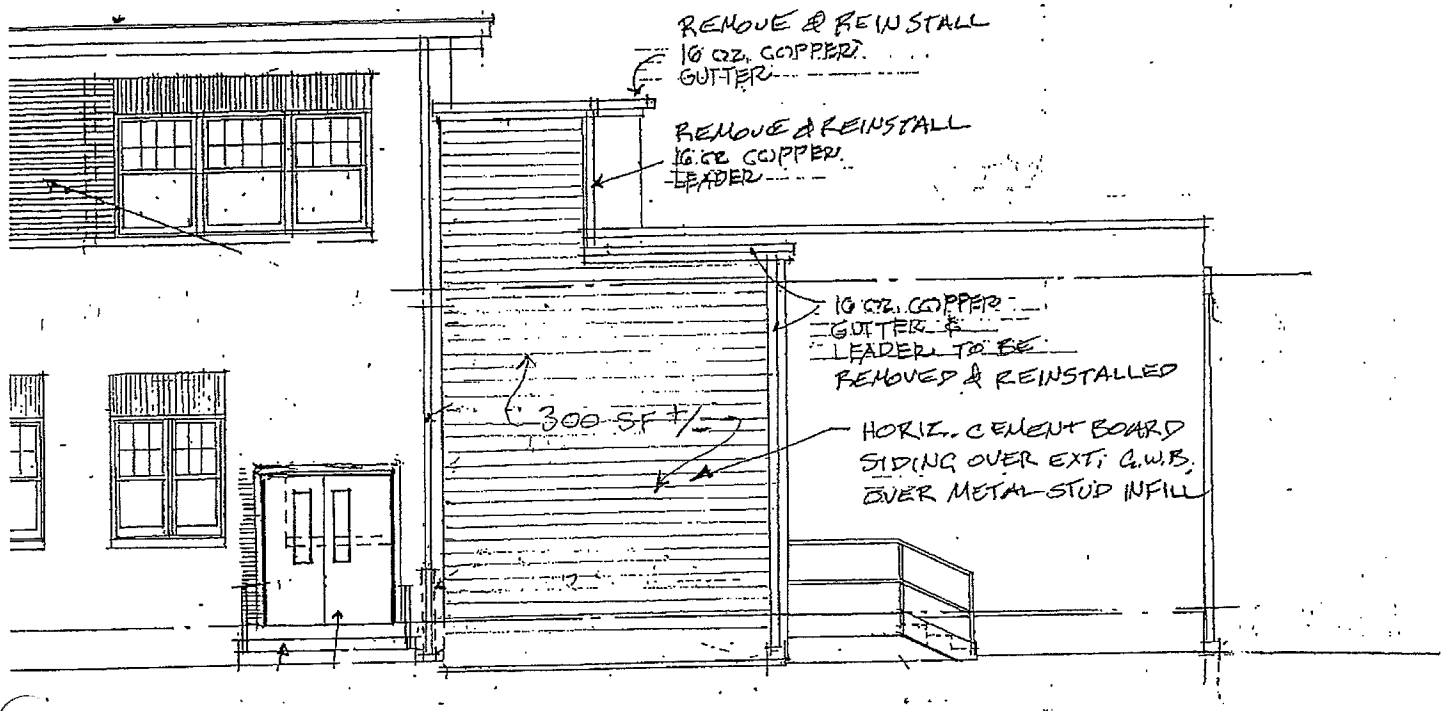
ELEVATION 9

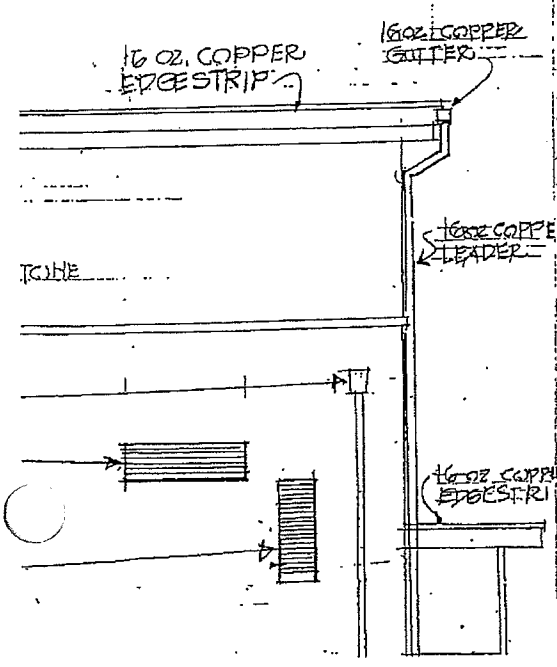
SCALE 1/8"=1'-0"

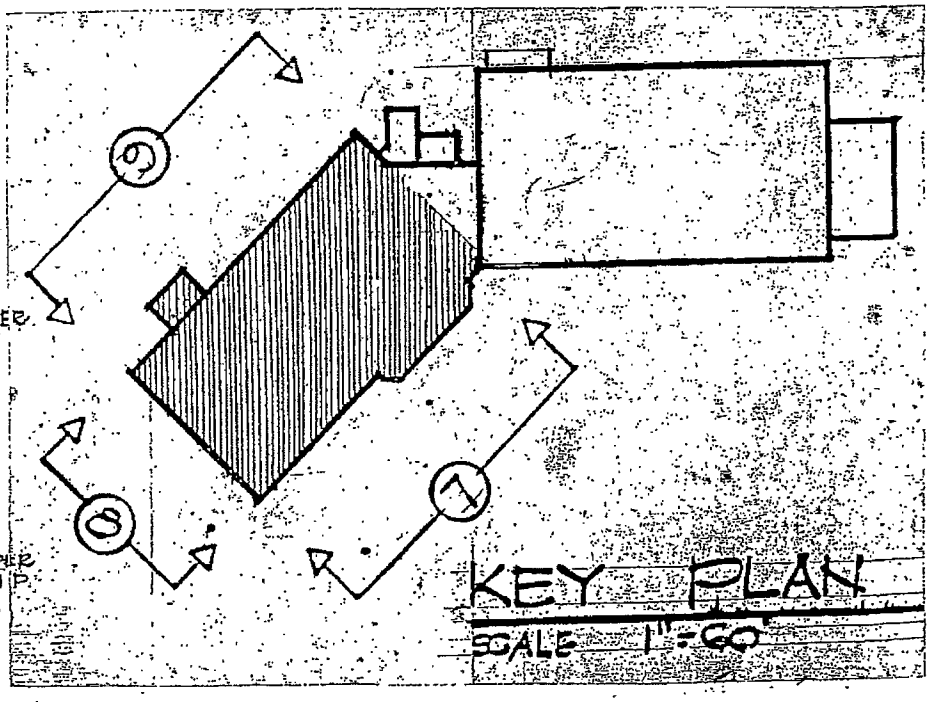


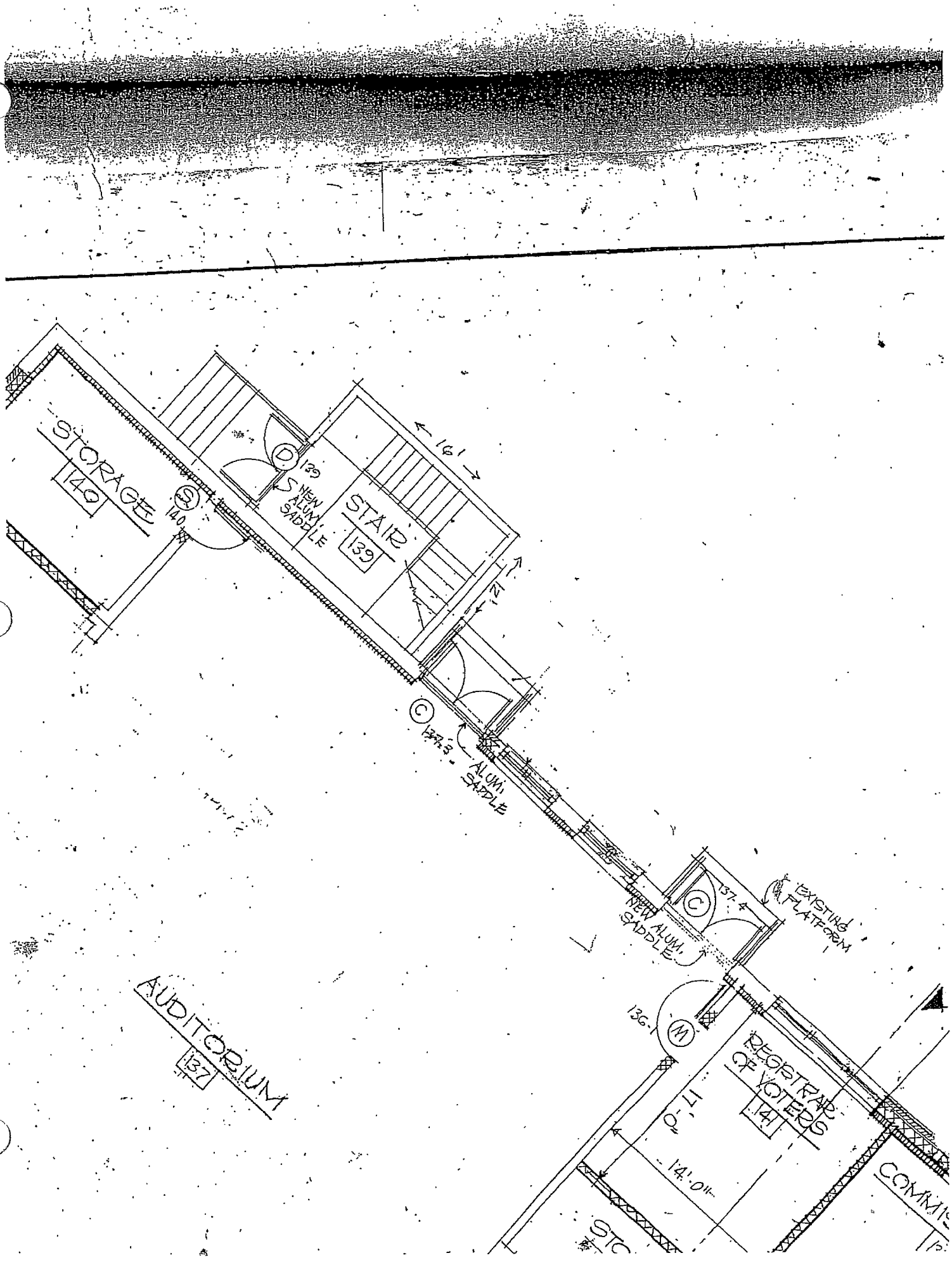
ELEVATION

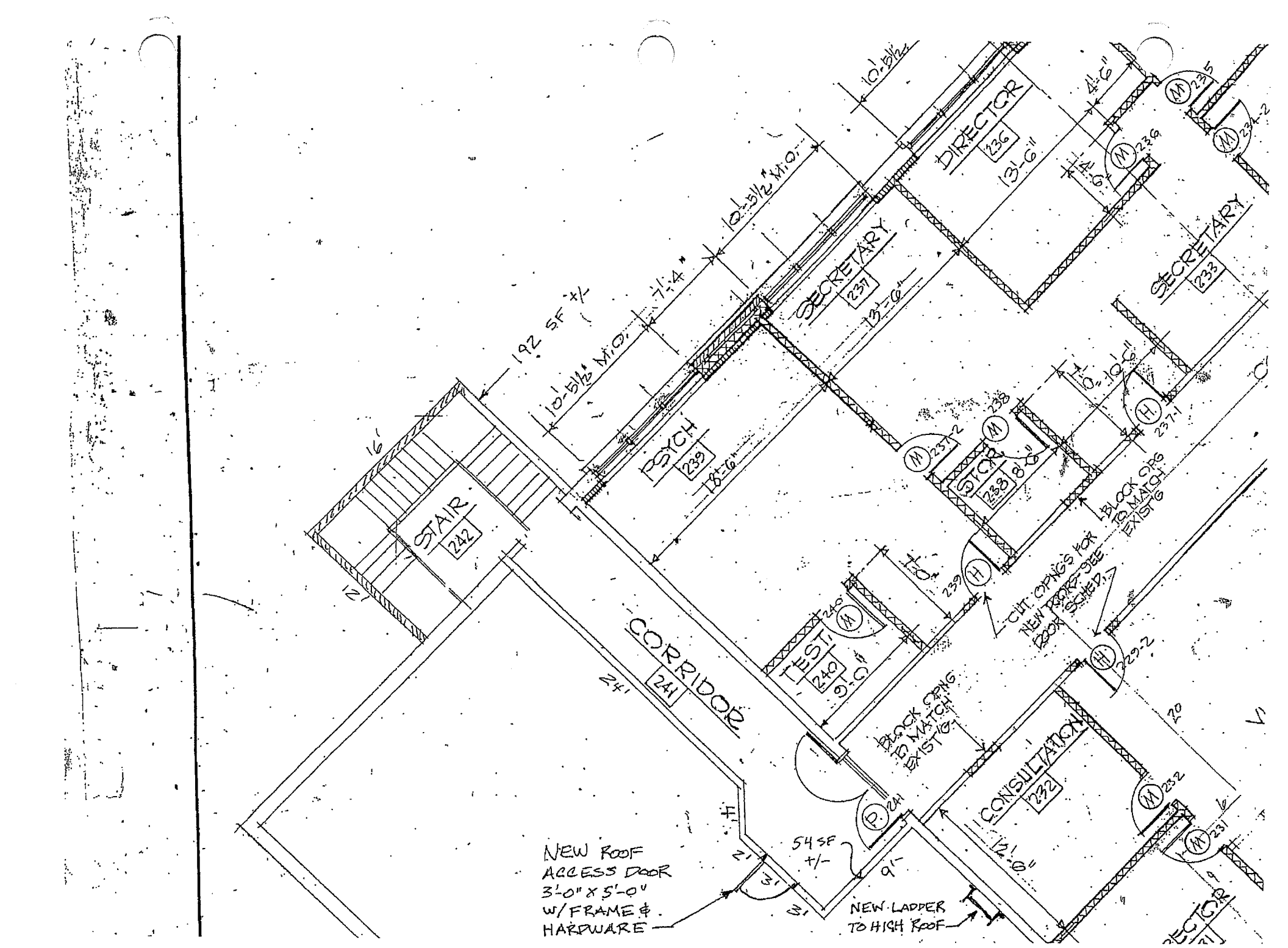
SCALE 1/8"=1'-0"


REMOVE & REINSTALL
16 OZ. COPPER
GUTTER
REMOVE & REINSTALL
16 OZ COPPER
LEADER
16 OZ. COPPER
GUTTER &
LEADER TO BE
REMOVED & REINSTALLED
300 SF +/-
HORIZ. CEMENT BOARD
SIDING OVER EXT. G.W.B.
OVER METAL STUD INFILL


16 OZ. COPPER
EDGE STRIP
16 OZ. COPPER
GUTTER
16 OZ. COPPER
LEADER
TO LINE
16 OZ COPPER
EDGE STRIP


9
8
7
KEY PLAN
SCALE 1" = 60'


STORAGE
140
AUDITORIUM
137
STAIR
139
NEW ALUM. SADDLE
141
12'
NEW ALUM. SADDLE
EXISTING PLATFORM
REGISTRAR OF VOTERS
141
14'-0"
11'-0"
COMMI
STC


DIRECTOR
236
13'-6"
SECRETARY
237
13'-6"
SECRETARY
233
PSYCH
239
18'-6"
STOR
238
8'-0"
TEST
240
9'-0"
CORRIDOR
241
STAIR
242
CONSULTATION
232
192 SF +/-
10'-5½" M.O.
7'-4"
4'-6"
1'-0"
1'-10"
BLOCK OPG TO MATCH EXISTG
CUT OPNG'S FOR NEW ROOF - SEE DOOR SCHED.
BLOCK OPNG TO MATCH EXISTG
NEW ROOF ACCESS DOOR 3'-0" X 5'-0" W/ FRAME & HARDWARE
54 SF +/-
NEW LADDER TO HIGH ROOF
20'
9'-

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Building Maintenance	**CONTACT PERSON** Abby Piersall
PROJECT NAME Town Hall Conference Room Upgrades	**DEPARTMENT PRIORITY** 5

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

This project includes improvements to two conference rooms at Town Hall. The first project component is to install a permanent U-shaped conference table in the alcove space in the Town Hall Auditorium. The conference table would include internal space for wires and audio/visual equipment. The purpose of the project is to reduce the potential for trip hazards and equipment damage that currently occur as a result of having exposed wires and movable tables in the Auditorium. The second project component is to install a 60 inch monitor in the LTA Conference Room. The monitor would be wall-mounted and would enable presenters to connect a laptop or tablet for presentations. The furniture upgrade was quoted at $10,600 in 2016. The LTA screen installation was quoted at approximately $8,000. The combined cost of these projects was increased by 5% to account for the age of the quote. The projects are expected to total $19,530, which has been rounded to $20,000.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

No other projects will be directly impacted by this request.

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

N/A

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)

Attached: Quotes for conference room upgrades.

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
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			20,000			
7	Federal/State Grants (detail in section 5)						
8	Other Funding (detail in section 5 above)						
	TOTALS	**0**	**0**	**20,000**	**0**	**0**	**0**

Quote # 4170

Company: Town of Waterford

Salesperson: Raquel Walton

Sent: 11/18/16

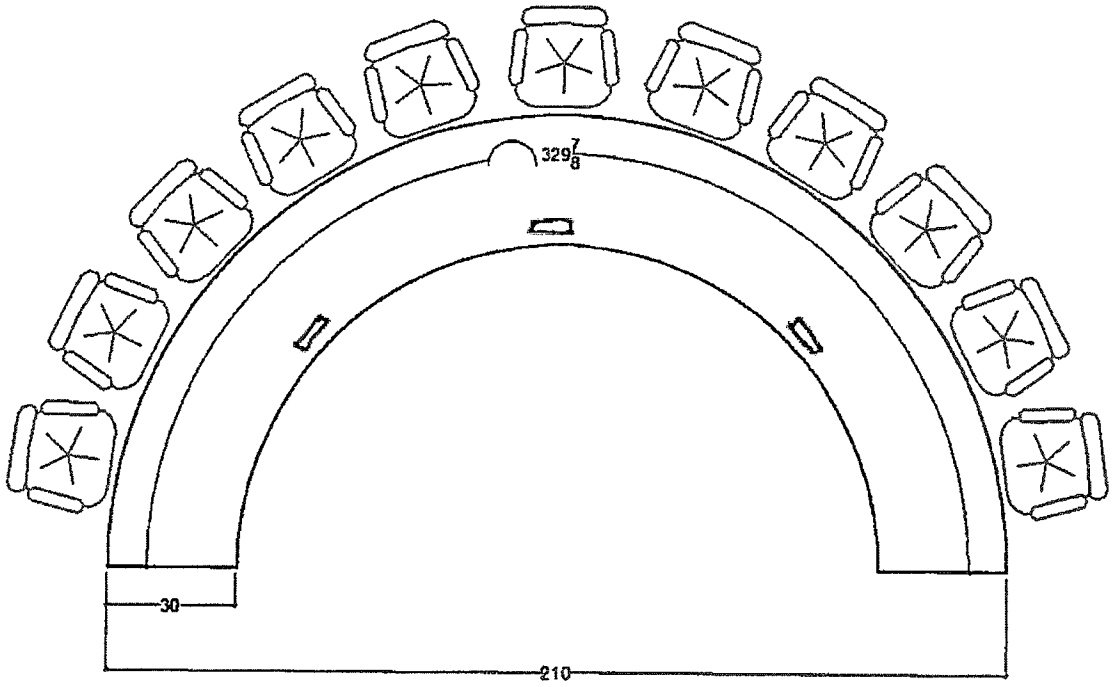
Need quote by: 11/21/16

Quantity: 1

Date of Delivery: N/A

Description:

Seating for 11



Veneer: Ø

Laminate(s): Wilsonart Woodgrain Laminate

Surface/top: Same

Edge Detail: 3mm Reverse knife edge

Base(s): - Panel ends
- Vire trough (9" depth)

Electronics: Cutouts only

Hardware: Aim Hybrid brackets

Delivery: Yes Waterford CT

Installation: Yes Normal hours

Egress: Have to check

RED THREAD
CUSTOM SOLUTIONS

Quote #4170

Company: Town of Waterford

Salesperson: Raquel Walton

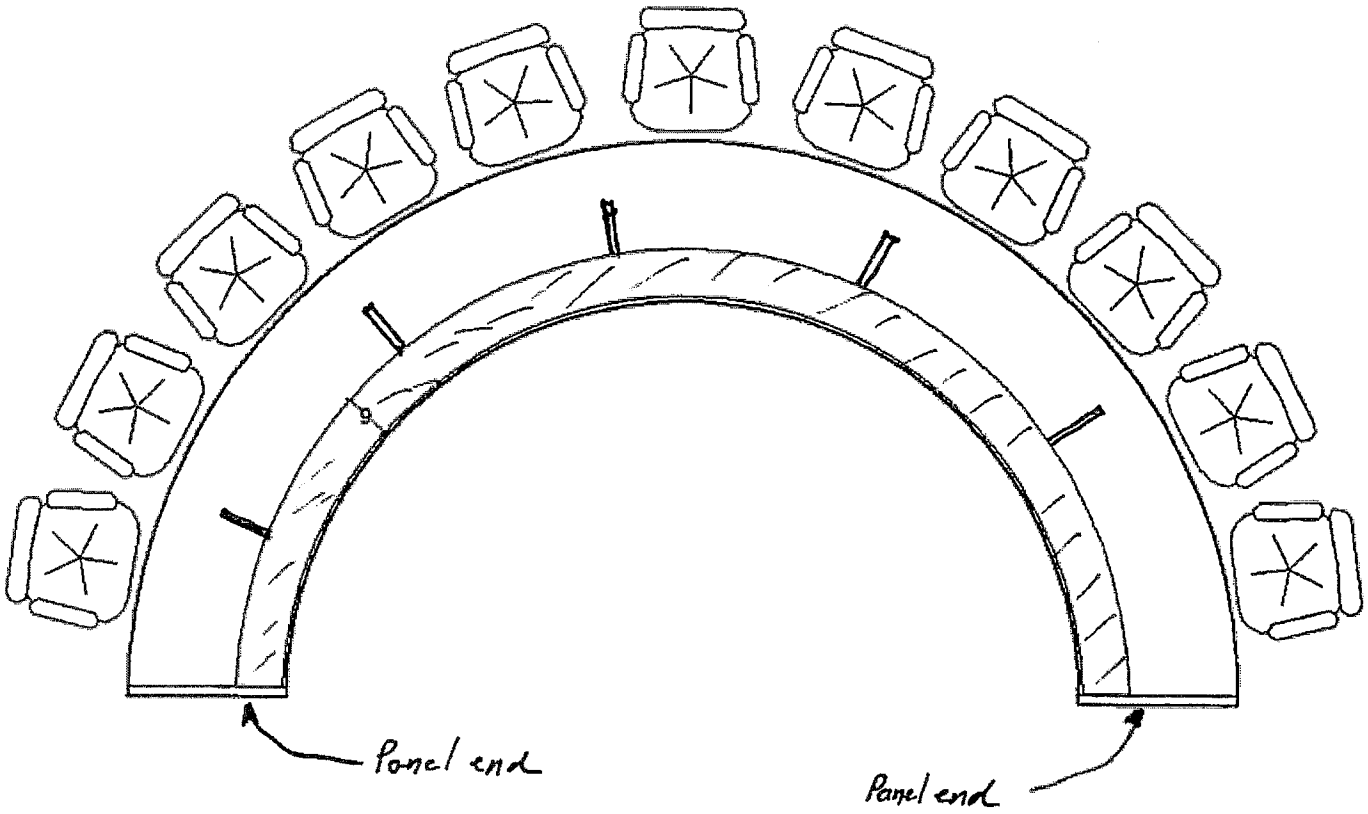
Sent: 11-18

Need quote by: 11-21

Quantity: 1

Date of Delivery: N/A

Description:



Veneer: Ø

aminate(s): Wilsonart Woodgrain Laminate

urface/top: Same

dge Detail: 3mm Reverse knife edge

Base(s): Panel ends
-Wire through (9" depth)

Electronics: Cut-outs only

Hardware: A+M Hybrid brackets

Delivery: Yes, Waterford, CT

Installation: Yes, normal hours

Egress: TBD

RED THREAD
CUSTOM SOLUTIONS

Quote # 4170

Company: Town of Waterford

Salesperson: Raquel Walton

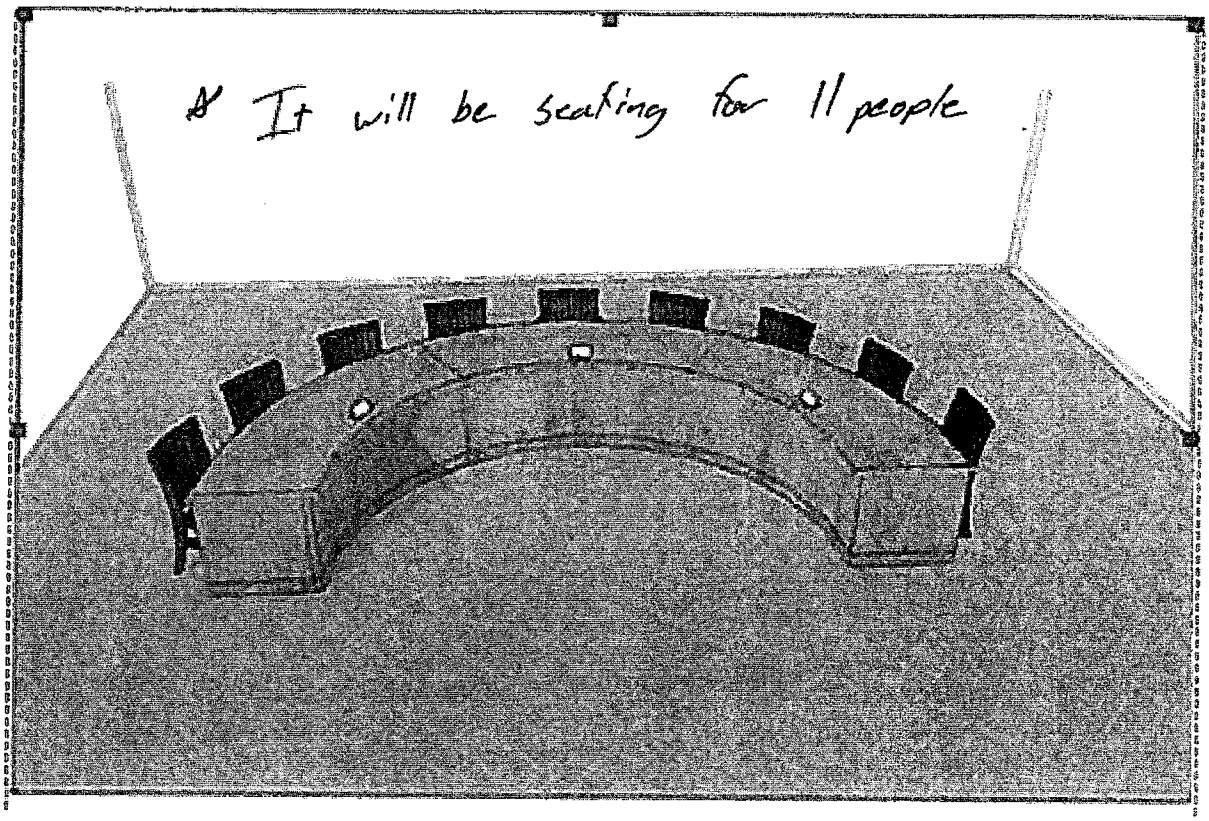
Sent: 11-18

Need quote by: 11-21

Quantity: 1

Date of Delivery: N/A

Description:



Veneer: 0

Laminate(s): Wilsonart Woodgrain laminate

Surface/top: Same

Edge Detail: 3Mm Reverse knife edge

Base(s): Panel ends
- Wire trough (9" depth)

Electronics: cut-outs only

Hardware: A+M HyBrid brackets

Delivery: Yes, Waterford, CT

Installation: Yes, Normal hrs.

Egress: TBD

RED THREAD
CUSTOM SOLUTIONS

RED THREAD

Quotation

860.528.9981
www.red-thread.com

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
656434	11/30/2016		TOW036	Walton, Raquel	

Quote To

FINANCE OFFICE
TOWN OF WATERFORD
15 ROPE FERRY ROAD
TOWN HALL
WATERFORD, CT 06385

Ship To

ABBIE PIERSALL
TOWN OF WATERFORD
15 ROPE FERRY ROAD
TOWN HALL
WATERFORD, CT 06385

Phone 1.860.440.0540

Fax 1.860.440.0579

Terms NET 30 DAYS

Sales Location E.Hartford -Furniture/Services

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		QUOTATION FOLLOWS FOR CUSTOM TABLE UNIT FOR TOWN MEETING CHAMBERS. LEAD TIME IS APPROXIMATELY 6 WEEKS AFTER APPROVED SHOP DRAWINGS. FINISH NEED TO BE SELECTED PRIOR TO ORDER PLACEMENT. ORDER CANNOT BE CANCELLED/RETURNED AFTER PURCHASE ORDER AND SIGNED SHOP DRAWINGS ARE RECEIVED. THANK YOU FOR THE OPPORTUNITY TO PROVIDE THIS QUOTATION. REGARDS, RAQUEL WALTON - SALES REPRESENTATIVE 860-291-5743 - DIRECT PHONE 860-291-2998 - DIRECT FAX rwalton@red-thread.com		
1	1	CUSTOM CUSTOM SOL 30"D x 30"H x 210" Maximum Width, Curved Conference Table Seating for 11	10,600.00	10,600.00

This quotation is subject to Red Thread's standard terms and conditions which are available to the accepting party upon request.

Accepted by: _____ Title: _____ Date: _____

RED THREAD

Quotation

860.528.9981
www.red-thread.com

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
656434	11/30/2016		TOW036	Walton, Raquel	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		Priced in Wilsonart Woodgrain Laminate 3mm Reverse Knife Edge Panel Ends Wire trough 9" depth Cutouts only A & M Hybrid brackets		
2	1	DELIVERY INSTALL CUSTOM SOL DELIVERY AND INSTALLATION OF CUSTOM CONFERENCE TABLE DURING NORMAL WORKING HOURS.	1,000.00	1,000.00

QUOTATION TOTALS

Sub Total	11,600.00
Grand Total	11,600.00

End of Quotation

This quotation is subject to Red Thread's standard terms and conditions which are available to the accepting party upon request.

Accepted by: _____ Title: _____ Date: _____

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
656434	11/30/2016		TOW036	Walton, Raquel	

Standard Terms and Conditions

These Standard Terms and Conditions are hereby incorporated into any order, quotation, proposal or agreement (hereinafter "Order") for goods and/or services from Red Thread Spaces LLC d/b/a Red Thread (hereinafter "Seller") to the party identified as the customer, buyer or purchaser in the Order (hereinafter, "Buyer"). By accepting or entering into the Order, Buyer agrees to be bound by all of the terms and conditions stated herein.

1. **Payment Terms.** Except as otherwise expressly stated in the Order, a deposit of at least 33% of the Order price is required, and payment of the balance is due and payable 10 days after invoice date. Goods and/or services will be invoiced as delivered and/or provided to Buyer. Buyer is required to pay all sales, use and other taxes on all goods and services provided, and promptly reimburse Seller for such taxes even if not shown on the Order or invoice. Any Buyer claiming to be exempt from taxes must provide Seller with a valid exemption certificate. Buyer must notify Seller within 10 days after the invoice date setting forth in detail the basis of any disputed item. Notwithstanding the existence of any disputed item, payment for all items not so disputed within said 10-day period shall be due and payable 10 days after the invoice date. Interest at the rate of 1.5% per month will accrue on outstanding monthly balances after the date payment is due until paid, and accrued but unpaid interest will be added to the outstanding balance on a monthly basis. Buyer agrees to pay all costs incurred by Seller in collecting any outstanding balances, including but not limited to reasonable attorney's fees.

2. **Cancellations and Changes.** All Orders are firm and not subject to cancellation or change without Seller's written agreement. If Seller agrees to cancellation or changer, Buyer shall pay all cancellation, restocking and handling charges.

3. **Delivery Dates and Schedule Changes.** If Buyer is unable to receive goods as scheduled, Seller will arrange for storage of goods, if required. All costs of double handling, demurrage, extra trucking, storage, risk of loss and insurance incurred by Seller as a result of such changes or delays will be borne by Buyer. In the event that goods must be stored beyond 10 days, Seller will invoice Buyer for goods as though the Order was delivered to Buyer and such invoice shall be due and payable 10 days after invoice date. Placement of the goods in storage by Seller is deemed delivery by Seller and receipt by Buyer.

4. **Conditions of Job Site.** At time of delivery or installation, the job site must be clear and free of all debris and other tradespeople. Electric current, heat, hoisting and/or elevator service, and adequate facilities for off-loading, staging, storing, moving and handling of goods to be delivered and installed must be provided by Buyer without charge to Seller. Failure of the job site to conform to these requirements may result in project delays and additional costs and expenses, which shall be borne by Buyer.

5. **Delivery and Installation.** Unless otherwise stated in the Order, delivery and installation will occur during Seller's normal work hours using non-union labor, paid at non-prevailing wages. Buyer shall be responsible for payment of all costs incurred as a result of Buyer's request for delivery or installation outside of Seller's normal work hours, including but not limited to overtime and any other additional labor costs. Buyer shall pay all costs of job-site trade regulations enforced at the time of delivery and/or installation, including any requirement that delivery and/or installation be completed by on-site tradesman.

6. **Work by Others.** Buyer shall be responsible for connection of electrical panels or components to the building power source unless separately stated. Buyer shall be responsible for structural integrity of any walls in which product will be mounted, effects of building vibrations on electrical components and for measurements that can't be verified at time of Order placement.

7. **Responsibility for Delivered Goods.** Goods shall be deemed delivered to Buyer upon delivery to the job site. Buyer shall thereafter bear all risk of loss. Buyer is responsible to receive, unload and inspect product for damage and notify Seller of damage within two days of product receipt if Buyer requested that product be drop shipped directly to Buyer. Damaged goods and packaging must be retained for inspection by the carrier. Seller shall not be responsible for any losses sustained due to Buyer's failure to notify Seller timely. Seller's invoices shall be paid in full by Buyer when due irrespective of pending freight claims.

8. **Acceptance of Installed Items.** All goods installed by Seller shall be conclusively deemed to be in accordance with Buyer's specifications and accepted by the Buyer upon completion of installation unless written notice to the contrary is furnished to Seller within 3 business days after completion of installation.

9. **Warranty.** Seller will, to the extent assignable, assign any product warranties supplied or furnished by the manufacturer to the Buyer. Seller will provide labor at no charge to correct any labor deficiency for 60 days from date of installation. Seller will provide labor at no charge to repair or replace defective products and parts during the first 60 days of the manufacturer's warranty period. After 60 days, Seller shall provide labor at no charge to Buyer to repair or replace defective products and parts only if and to the extent such labor is included in the manufacturer's warranty.

NO OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, ARE EXTENDED BY SELLER. SELLER HEREBY DISCLAIMS ALL OTHER WARRANTIES EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE.

10. **Limitation of Liability.**

A. **Delays and Extensions of Time.** No liability shall accrue against Seller from any act or neglect of Buyer, any Order changes requested by Buyer, any delay authorized or caused by Buyer, any strike, lockout, work stoppage or other labor dispute, any fire, accident or other casualty, any unusual delay in deliveries or inability to obtain goods or materials, any act of God, or any other cause beyond Seller's control.

B. **SELLER'S LIABILITY FOR GOODS AND SERVICES PROVIDED SHALL BE LIMITED TO THE INVOICED VALUE OF SUCH GOODS AND SERVICES AND IN NO EVENT SHALL SELLER'S TOTAL LIABILITY TO BUYER FOR ALL DAMAGES, LOSSES AND CAUSES OF ACTION (REGARDLESS OF THE LEGAL THEORY) EXCEED THE AMOUNT PAID BY BUYER (IF ANY) FOR SUCH GOODS AND SERVICES. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL SELLER BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, DIRECT, INDIRECT, SPECIAL, PUNITIVE, OR OTHER DAMAGES WHATSOEVER (INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF INCOME, LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, LOSS OF BUSINESS REPUTATION, OR OTHER PECUNIARY LOSS) ARISING OUT OF ANY GOODS OR SERVICES PROVIDED BY SELLER TO BUYER, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

11. **Miscellaneous**

A. **Governing Law; Severability.** These Standard Terms and Conditions shall be governed by and construed in accordance with the laws of the Commonwealth of Massachusetts, excluding that body of law applicable to choice of law. Any suit by either party shall be brought only in Massachusetts. The parties hereto waive all rights, if any, to a jury trial in any disputes arising from or relating to Order and waive any argument that venue is not appropriate or convenient. If any provision is found to be unenforceable, the remainder of these Standard Terms and Conditions shall continue in full force and effect.

B. **Complete Understanding; Modification.** These Standard Terms and Conditions supersede all prior agreements and understandings between the parties with respect to its subject matter. Any amendments to these Standard Terms and Conditions must be in writing and shall not take effect unless signed by an authorized officer of each of the parties.

C. **Security Interest.** Buyer grants Seller a security interest in products sold until payment in full is received by Seller. Buyer grants Seller all of the rights and remedies of a secured party under the Uniform Commercial Code. Buyer appoints Seller as its attorney-in-fact for the purpose of executing a UCC-1 Financing Statement or other documents as may be necessary to perfect this security interest.

This quotation is subject to Red Thread's standard terms and conditions which are available to the accepting party upon request.

Accepted by: _____ Title: _____ Date: _____

11-16-2016

a proposal

Waterford Town Hall

Presentation Room

RED THREAD

Steelcase

RED THREAD
CONNECTING YOU TO WORKSPACES THAT WORK

LOCATIONS IN:
:: Connecticut
:: Massachusetts
:: Maine
:: New Hampshire
:: Vermont

AUDIOVISUAL SYSTEM EXECUTIVE SUMMARY

Client:	Waterford Town Hall	Date:	November 16, 2016
Project:	Presentation Room	Technology Sales:	Tim Bycholski
Contact:	Abby Piersall	Email:	TBycholski@red-thread.com
RT Project #:	64405	Phone:	860.291.5717
		System Engineer	Mario Tito

ALL PRICING IS PER STATE OF CONNECTICUT AV CONTRACT # 13PSX0090 (EXP. 03/31/2019) AND IS VALID FOR 90 DAYS.

PRESENTATION ROOM

OVERVIEW
This proposal is for the audiovisual fit out of a Presentation room located at 15 Rope Ferry Rd. Waterford, CT. The Presentation room a 60" diagonal LCD display system for presentation applications from a client provided pc and / or a guest laptop (VGA & HDMI). The audiovisual system can be fully operated by a wired button panel control system.

DISPLAY SYSTEM
- Display size: 60-inch diagonal
- Display resolution: 1920x1080
- Display type: professional grade LCD / LED backlit
- Display type: consumer grade LCD / LED backlit
- Mounting method: wall mounted with tilt bracket

MEDIA INPUTS

QTY	TYPE	CONNECTIVITY	LOCATION	CONDITION
1	Laptop computer	HDMI or VGA	Wall plate	Owner furnished
1	Desktop computer	DVI	Rack	Owner furnished

NOTE: All wall plate interfaces will be white and all floor interfaces will be black unless specified differently.

COMPUTER MONITOR
- System includes provision for an owner furnished computer monitor at the client provided credenza
- 1920x1200 is the recommended resolution for the monitor

EDID SCHEME
Extended display identification data (EDID) is a data structure normally provided by digital displays to communicate its capabilities to a given video source. The specified system is capable of emulating EDID information to provide a consistent presentation experience. The following resolutions will be made available through the EDID Table for the respective sources.

Source Type	Connectivity	Location	Available EDID Resolutions
Laptop computer	HDMI or VGA	Table	1280x800 1024x768
Desktop computer	DVI	Rack	1280x800 1024x768

AUDIO SYSTEM
- Audio will be via the integrated display speakers

BUTTON PANEL CONTROL SYSTEM
The system will be controlled via a simple button panel interface. The button panel will be wall mounted

- Button panel color: White

The following functions will be available from the button panel.

- Display system: power on/off
- Source selection: all available sources
- Audio controls
    - Program volume control (via volume knob)
- System shut down will include
  Power off display system

EQUIPMENT RACK

- Location: Owner furnished credenza, closet, in room
- Ventilation modifications, as required, by client, to be coordinated with Red Thread

Proposal

Mfg / Model	Description	Qty	Unit Price	Ext. Price
Office				
Control Systems				
Crestron DM-TX-201-C	DigitalMedia 8G+® Transmitter 201	1	$866.67	$866.67
Crestron MPC-M10-W	Media Presentation Controller™ M10 - 10 buttons & volume control; 1 RS-232, 1 IR, 4 input, 2 relay; white; includes PW-2407RU	1	$726.67	$726.67
Crestron DM-RMC-4K-100-C	4K DigitalMedia 8G+® Receiver & Room Controller 100	1	$542.17	$542.17
Crestron MP/MPC/IPAC_FRONT_LABEL_BLANK-B-T	Set of engravable backlit labels for MP-B Series, MPC Series, or IPAC; white characters on black background, engraving not included	1	$20.00	$20.00
Display System				
LG 60LX330C	Commercial Lite LED backlit LCD TV , Public Display Mode, 1920 x 1080, 2 Year Warranty	1	$1,235.29	$1,235.29
Chief LTM1U	Micro-Adjust Tilt Wall Mount, Large	1	$212.33	$212.33
Media Inputs				
Logitech 920-002553	Combo Mk520 Wireless Keyboard And Mouse	1	$56.96	$56.96
Wire and Cable				
Red Thread MISC	Misc Cables and Connectors	1	$681.44	$681.44
Labor				
RT Installation	AV Installation Labor	1		$3,645.87
			Office Total:	***$7,987.40***

Proposal

Summary

Office	$7,987.40
Subtotal:	**$7,987.40**
Sales Tax:	**$0.00**
Grand Total:	**$7,987.40**

Client: _____ Date _____

DEPT PRIORITY		BOARD OF EDUCATION	FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTAL 2019-2023
Board of Education									
6	001	WHS - TURF FIELD & TRACK	3	100,000	150,000	150,000	150,000	100,000	650,000
	015	WHS - TURF FIELD & TRACK 2032	3					100,000	100,000
5	002	QH - HEAT PUMP REPLACEMENT	3		22,000	22,000	22,000	22,000	88,000
1	003	QH - 10-YR RETRO COMMIS.	3	30,000					30,000
	007	OSW - 10-YR RETRO COMMIS.	3		30,000				30,000
	009	GN - 10-YR RETRO COMMIS.	3			30,000			30,000
	012	WHS - RETRO COMMIS.					200,000		200,000
2	004	IT - IT LEARNING BOARDS END OF LIFE	3	200,000	200,000	200,000	200,000		800,000
4	005	IT - SECURITY DVR CAMERAS	3		30,000	30,000	30,000	30,000	120,000
	013	IT - BOE Munis Implementation	3					200,000	200,000
3	006	IT - VIRTUAL DESKTOP MAIN PROCESSOR	3	150,000	150,000				300,000
	008	IT - CLMS TV STUDIO SYSTEMS	3		40,000				40,000
	010	IT - DISTRICT PHONE SYSTEM	3			100,000			100,000
	011	IT - VIDEO DISTRIBUTION SYSTEM	3			75,000			75,000
	014	IT - HS TV STUDIO SYSTEMS	3					160,000	160,000
Total Board of Education				**480,000**	**622,000**	**607,000**	**602,000**	**612,000**	2,707,000

Revised as of 12/19/2017

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Board of Education	**CONTACT PERSON** Joseph Mancini
PROJECT NAME Turf Field and Track Rehabilitation	**DEPARTMENT PRIORITY** 6

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

The average life expectancy of a turf field is 8 - 10 years. Turf fields have some advantages in that the fields are available for a higher volume of use and hypotehtically are available year round with signifiantly less maintenance and the added benefit of reduced impact injuries. The expected cost of this rehabilition is around $800,000 and would take place in roughly 4 years, we are asking that there be a yearly appropriation to fund this future effort. The costs for replacement is dependent on the several factors, one being the uncertainty of the materials being used. Once a recommendation comes forward on the type of field, we will target a field to last 10 years. This field was first put into use in the fall of 2012. We expect to replace the field in 2022 at which point there would be $800,000 to be used to the renovation.

2 PROJECT STATUS IF IN PROGRESS

Not currently in progress

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

This project stands alone

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

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)

None available

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR	150,000	150,000	150,000	150,000	200,000	
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	**150,000**	**150,000**	**150,000**	**150,000**	**200,000**	**0**

REVISED BID RESULTS FOR:
BID NUMBER 2057-16 Synthetic Turf Replacement at GHS

BID OPENING DATE: 4/27/16

BID OPENING TIME: 11:00 a.m.

#	Company Name	Base	Total Base	Alternate #1	Alternate #2	Alternate #3	Alternate #4	Alternate #5	Alternate #6	Alternate #7	Alternate #8
1	Sport-Tech Construction Corp.	$ 946,947.00	$ 966,947.00	Not Applicable	$ 144,800.00	$ 305,000.00	$ 75,900.00	$ 212,590.00	$ 43,000.00	$ 43,000.00	$ 25,000.00
2	RAD Sports	$ 894,700.00	$ 914,700.00	Not Applicable	$ 34,100.00	$ 279,580.00	$ 54,450.00	$ 149,600.00	$ 40,200.00	$ 34,900.00	$ 20,000.00
3	Fieldturf USA, Inc.	$ 912,620.00	$ 932,620.00	Not Applicable	$ 96,276.00	$ 409,172.00	$ 78,946.00	$ 182,924.00	$ 40,200.00	$ 32,250.00	$ 19,886.00
4	A-Turf, Inc.	$ 837,900.00	$ 857,900.00	Not Applicable	$ 40,400.00	$ 181,800.00	$ 91,700.00	$ 295,000.00	$ 42,000.00	$ 39,000.00	$ 22,000.00
5	The LandTek Group, Inc.	$ 835,000.00	$ 855,000.00	Not Applicable	$ 98,000.00	$ 410,000.00	$ 80,000.00	$ 185,000.00	$ 44,000.00	$ 30,000.00	$ 18,500.00
6	Spinturf, LLC	$ 750,000.00	$ 770,000.00	Not Applicable	$ 105,600.00	$ 193,450.00	$ 72,750.00	$ 100,200.00	$ 44,900.00	$ 33,000.00	$ 18,550.00

PENDING

Description of Alternates

Alternate #1: Not Applicable

Alternate #2: The Contractor shall state the amount to be ADDED TO the Base Bid to provide, furnish and install all labor, equipment and material required to BLACK EPDM Rubber Infill system in lieu of the SBR Rubber infill system.

Alternate #3: The Contractor shall state the amount to be ADDED TO the Base Bid to provide, furnish and install all labor, equipment and material required to GREEN EPDM Rubber Infill system in lieu of the SBR Rubber infill system.

Alternate #4: The Contractor shall state the amount to be ADDED TO the Base Bid to provide, furnish and install all labor, equipment and material required to provide and install a GEOFILL Infill system or Equal AND a 10 mm shock pad as specified in section 32 1823 in lieu of the SBR Rubber infill

Alternate #5: The Contractor shall state the amount to be ADDED TO the Base Bid to provide, furnish and install all labor, equipment and material required to provide and install a ENVIROFIL Infill system or Equal AND a 23mm shock pad.

Alternate #6: The Contractor shall state the amount to be DEDUCTED FROM the Base Bid to eliminate all track surfacing material in the northerly D Zone except for the material needed to construct the runways for both field events as detailed on the drawings. There shall be no color coating of the new asphalt.

Alternate #7: The Contractor shall state the amount to be ADDED TO the Base Bid to furnish and install all labor, equipment and material required to provide and install a 10 foot high lacrosse netting in sleeves, as indicated on the drawings and as herein specified

Alternate #8: The Contractor shall state the amount to be ADDED TO the Base Bid to furnish and install all labor, equipment and material required to provide and install two new high school football goal posts, including removal and disposal of existing goal posts and footings, all as indicated on the drawings and as here inspecified included in this alternate

BID NUMBER 2057-16 Synthetic Turf Repalcement at GHS

BID OPENING DATE: 4/27/16

BID OPENING TIME: 11:00 a.m.

#	Company Name	Base	Total Base	Alternate #2	Alternate #3	Alternate #4	Alternate #5	Alternate #6	Alternate #7	Alternate #8
1	Sport-Tech Construction Corp.	$ 946,947.00	$ 966,947.00	$ 144,800.00	$ 305,000.00	$ 75,900.00	$ 212,590.00	$ 43,000.00	$ 43,000.00	$ 25,000.00
2	RAD Sports	$ 894,700.00	$ 914,700.00	$ 34,100.00	$ 279,580.00	$ 54,450.00	$ 149,600.00	$ 40,200.00	$ 34,900.00	$ 20,000.00
3	Fieldturf USA, Inc.	$ 912,620.00	$ 932,620.00	$ 96,276.00	$ 409,172.00	$ 78,946.00	$ 182,924.00	$ 40,200.00	$ 32,250.00	$ 19,888.00
4	A-Turf, Inc.	$ 837,900.00	$ 857,900.00	$ 40,400.00	$ 181,800.00	$ 91,700.00	$ 295,000.00	$ 42,000.00	$ 39,000.00	$ 22,000.00
5	The LandTek Group, Inc	$ 835,000.00	$ 855,000.00	$ 98,000.00	$ 410,000.00	$ 80,000.00	$ 185,000.00	$ 44,000.00	$ 30,000.00	$ 18,500.00
6	Spinturf, LLC	$ 750,000.00	$ 770,000.00	$ 105,600.00	$ 193,450.00	$ 72,750.00	$ 100,200.00	$ 44,900.00	$ 33,000.00	$ 18,550.00

PENDING

August 9, 2016

Norwalk Purchasing Department

Response Summary Project # 3705

Turf and Field Renovation at Brien McMahon High School

Thank you for your response to our Request for Bids Submission. The following is a summary of the submitted bids for this solicitation process.

	CONTRACTORS									
	H.I. Stone and Son Inc	RAD Sports	Mountain View Landscapes & Lawncare, Inc.	FGB Construction Company	Dalling Construction, Inc.	Deering Construction Inc	LaRosa Earth Group, LLC	The LandTek Group, Inc.	J. Iapaluccio, Inc.	Sport -Tech Construction Corp.
Total Lump Sum Price	$1,195,000.00	$1,266,000.00	$1,112,750.00	$1,246,400.00	$1,323,888.00	$1,035,000.00	$1,298,000.00	$1,292,000.00	$1,336,000.00	$946,500.00

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	**CONTACT PERSON**
Board of Education	Joseph Mancini
PROJECT NAME	**DEPARTMENT PRIORITY**
Heat Pump Replacement at Quaker Hill	5

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

This is to replace the heat pumps at Quaker Hill Elementary School. These particular Trane heat pumps have shown, throughout the industry, to have an initial life expectancy of 10-18 years, we are predicting that of the 42 heat pumps, we will start to suffer losses during the 2018-19 fiscal year.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR		22,000	22,000	22,000	22,000	22,000
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	-	22,000	22,000	22,000	22,000	22,000

INGRAM'S WATER & AIR EQUIPMENT
1-270-575-9595
M-F: 8:30-7:30 SAT: 9:00-1:00 CST



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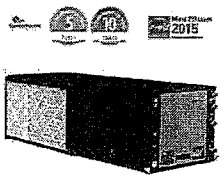
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Closeout Geothermal Units
Commercial Geothermal Heat Pumps
Geothermal Components
Geothermal Heat Pump Forced Air
Geothermal Water to Water
Geothermal with Install Package
Horizontal Geothermal Heat Pump
Single Stage
Two Stage
Split Geothermal Heat Pump
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Humidifiers
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Packaged Gas & Electric
Packaged Heat Pumps
Package Terminal AC (PTAC)
Pellet / Multi-Fuel Units
Pool and Spa Heat Pump
Portable Air Conditioning
Portable Heater
Refrigerant
Solar Kits
Split System Air Conditioners
Split System Heat Pump
Surplus Heating & Air Equipment
Tankless Hot Water Heater
Vent-Free Gas Logs
Wall Furnaces
Window AC
Wood / Coal Warm Air Furnaces
Wood Stoves
Labor Warranty
Water Purification Systems
Air Purification
Ingram's Gear

4 Ton 2 Stage Horizontal Tranquility 22 Digital Geothermal Heat Pump

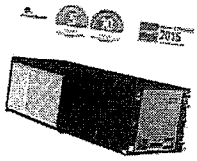
Item #: 26004 **Model #:** TZH048

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Model: TZH048
4 Ton 2 Stage Horizontal Tranquility 22 Digital Geothermal Heat Pump

The Tranquility® 22 Digital is a game-changing new geothermal heat pump that is the first in the industry to integrate digital communicating controls, two-stage capacity, variable-speed fan and variable-flow geothermal source functions within a single compact "plug and play" package. Available at a breakthrough price point, this innovative product line has been specifically designed and developed for price sensitive, and many times space limited, new home construction and replacement/retrofit applications.

The Tranquility® 22 Digital is a packaged water-to-air system that provides high efficiency heating and cooling and, via an integrated desuperheating package, most of the annual hot water requirement. The eco-friendly Tranquility® 22 Digital already meets ENERGY STAR® Tier 3 efficiency levels, so it will qualify for the uncapped 30% federal geothermal heat pump tax credit in 2012 and beyond. Tranquility® 22 Digital systems are available in vertical and horizontal configurations in nominal capacities of 24, 30, 36, 42, 48 and 60 kBtuh.

Communicating Programmable Thermostat (ATC32U02)

This add-on is preselected in the "Available Options" on the right hand side of the above product image section because a majority of customer need this thermostat for their application. If you do not need this item please deselect it by clicking on the drop down and selecting "None".
Thermostat Documentation: Install Manual | User Manual | Operation Guide

Features

- 23.7 EER/4.1 COP
- Variable Speed Indoor Fan
- Vertical and Horizontal Configurations
- 2-Stage Compressor
- iGate® Communicating Controls

Documentation

- Install & User Manual
- Specifications
- Troubleshooting Guide
- Troubleshooting Form
- Warranty Form

Your Customer Reference: 22

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Board of Education	**CONTACT PERSON** Joseph Mancini
PROJECT NAME Retro-Commissioning at Quaker Hill	**DEPARTMENT PRIORITY** 1

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

This is for the 10-year retro-commissioning of Quaker Hill Elementary School. It is industry best practice that after the first ten years of service, that a commissioning agent be retained to go over the entire heating and cooling system. The US Green Building Council and LEED recommend this procedure. Retro commissioning involves an in-depth look at the building management system, trending data, and a test of all of the sensors and systems throughout. In an initial overview of Quaker Hill in the Spring of 2016, an independant consultant stated that the schools building management system was in need of replacement. This estimate includes $66,000 for this effort.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR		96,000				
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	-	96,000	-	-	-	-

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	CONTACT PERSON
Board of Education	Joseph Mancini
PROJECT NAME	**DEPARTMENT PRIORITY**
Upgrade IT Learning Boards	2

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

This is for the upgrade/replacement of IT learning boards across the district. The systems include an interactive white board/panel, projector, computer, overhead speakers, teacher microphone and intereactive devices for the students. These systems are the instructional focal point in the classroom and are used throught the school district. They are vital for instruction allowing teachers to create interactive lessons for the students. The useful life of the system is up to 10 years. The operating budget will continue to fund repairs, but these machines are reaching the end of life. End of life is chararterized as becoming less precise, degradation in sound, loss of picture quality, up to complete failure. This proposal is to Fund a CNR project to replace the boards in the following order QH 36, OSW 36, GN 36, and WHS with TBD. Clark Lane Middle School is underway in fiscal 2018, fiscal 2019 will be Quaker Hill. This request is consistent with last year's request and subsequent approval.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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

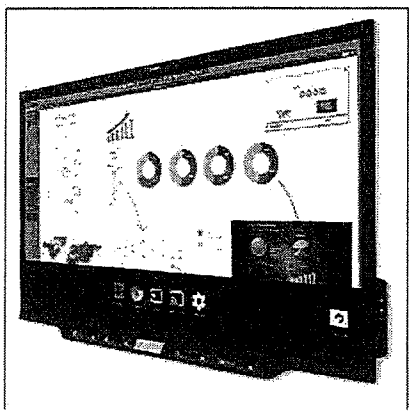
6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION (if none, simply state that in the area below)

Currently the Board of Education is evaluating an Interactive Epson projection solution,Smart Boards and Promethean Solutions. All three solutions are of similar costs.

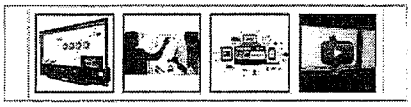
7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR	200,000	200,000	200,000	200,000	200,000	
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	**200,000**	**200,000**	**200,000**	**200,000**	**200,000**	**0**

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SMARTBOARD SBID-7275P

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- Pen ID™
- 16 simultaneous touch, writing and eraser points
- SMART ink™
- Object awareness™ technology
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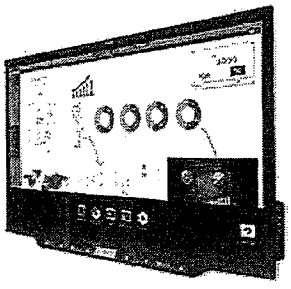
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Product Information

SMART SBID-7275P 7000 Pro series LED Display (75")



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- ✓ 16 simultaneous touch, writing and erase points



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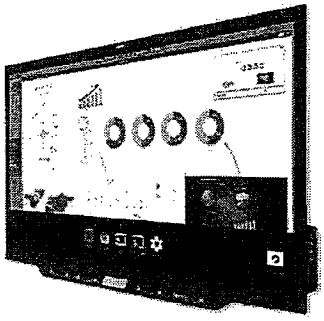

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Smart 86" interactive ...


SMARTBOARD SPNL-6275P
SMART Board Interacti...

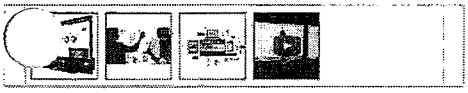

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SMART Board 7275 Pro series interactive flat panel with iQ and SMART Meeting Pro

Features

- **Expected to ship the first quarter of 2018**
- **75-inch diagonal screen size.**
- 4K Ultra HD video resolution with HDMI 2.0.
- HyPr Touch™ technology
- Pen ID™
- 16 simultaneous touch, writing and eraser points
- SMART ink™
- Object awareness™ technology
- SilkTouch™
- Access SMART software, content and applications from the on-screen menu

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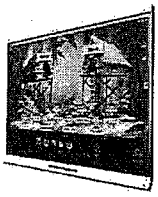
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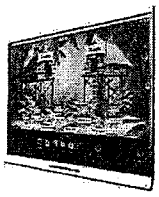
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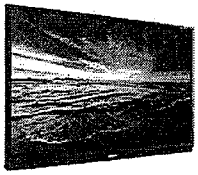
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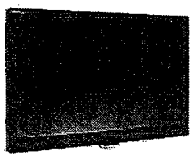
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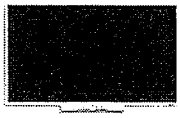
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SMART Board SPNL-6275 display with SMART Learning ...
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TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Board of Education	**CONTACT PERSON** Joseph Mancini
PROJECT NAME Security DVR Camera Installation	**DEPARTMENT PRIORITY** 4

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

Replace Digital Video Recorders (DVR's) and security system components that have reached the end of useful life. End of life of the systems includes drive array failures, degradation in picture clarity, etc. This particular configuration provides a useful life of 7-10 years. This project involves replacing the major components of the DVR Security Systems as they reach end of useful life throughtout the district.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR	60,000	30,000	30,000	30,000	30,000	30,000
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	**60,000**	**30,000**	**30,000**	**30,000**	**30,000**	**30,000**

MY CART

Move All to Wish List | Remove All | Email | Print



Pelco DSSRV2-160-US Digital Sentry H.264 Network Video Recorder (16 TB, US ...

B&H #PEDSSRV2160U • MFR #DSSRV2-160-US

Free Standard Shipping on Orders Over $49

This item is noncancelable and nonreturnable

Special Order — Expected availability in 7-14 business days

1

$6,811.57

Accessories

Square Trade **Protection plan:**

2 Years Protection plan $279.99
3 Years Protection plan $569.99

COMPARE ALL OPTIONS

Save for Later | Remove

Item Total: **$6,811.57**



Pelco Optera IMM Series 12MP Outdoor Panoramic Pendant Dome Camera with ...

B&H #PEIMM120181E • MFR #IMM12018-1EP

Free Standard Shipping on Orders Over $49

This item is noncancelable and nonreturnable

Special Order — Expected availability in 7-14 business days

4

$1,625.36

Accessories

Square Trade **Protection plan:**

2 Years Drops & Spills $189.99
3 Years Drops & Spills $243.99
3 Years Protection plan $169.99

COMPARE ALL OPTIONS

Save for Later | Remove

ESTIMATE SHIPPING & TAX

☐ NYC Pickup (2 locations)

Free gift wrap available at NYC Superstore

UNITED STATES ▼

Enter Zip Code

Subtotal:	**$28,114.26**
Shipping	Calculate Above
Sales Tax	$0.00
You Pay	**$28,114.26**

Begin Checkout

or

Item Total: **$6,501.44**



Pelco Sarix IME Series IME219-1EI 2MP In-Ceiling Mount Environmental ...

B&H #PEIME2191EI • MFR #IME2191EI

Special Order
Expected availability in 7-10 business days

15

$986.75

Free Standard Shipping on Orders Over $49

This item is noncancelable and nonreturnable

Accessories

Square Trade **Protection plan:**

2 Years Drops & Spills	$124.99
3 Years Drops & Spills	$170.99
3 Years Protection plan	$119.99

COMPARE ALL OPTIONS

Save for Later Remove

Item Total: **$14,801.25**

Cart ID: #7854131681

Saved for Later

Stash ideas here, commitment-free!

Any items you "Save for Later" will appear here

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Board of Education	**CONTACT PERSON** Joseph Mancini
PROJECT NAME Virtual Desktop Main Processor Upgrade	**DEPARTMENT PRIORITY** 3

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

The Virtual Desktop Main Processor installed at WHS in 2013, is a system comprised of 8 high power host computers and 2 storage area network (SAN) devices. The system provides virtual desktop sessions to hundreds of students simultaneously through out the district. The virtual desktop eliminates the need to continually purchase tradional desktop computers for students. Costs are saved by combining the processing and applications on the main server. The student uses a keyboard and monitor only to connect to the virtual system. Benefits include the ability for students to access their resources anytime and anywhere. The server virtualization is expected to serve over 1,000 students in the near future. The useful life of the system is 6 years. The 8 hosts and 2 SANS will need to be replaced at that time in order to continue to benefit from this technology.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR		150,000	150,000			
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**	**150,000**	**150,000**	**0**	**0**	**0**

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Board of Education	**CONTACT PERSON** Joseph Mancini
PROJECT NAME Retro-Commissioning at Oswegatchie	**DEPARTMENT PRIORITY**

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

This is for the 10-year retro-commissioning of Oswegatchie Elementary School. It is highly recommended that after the first ten years of service, that a commissioning agent be retained to go over the entire heating and cooling system. Both the US Green Building Council and LEED recommend this procedure. It involves an in depth look at the building management system, trending data, and a test of all of the sensors and systems throughout.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR			30,000			
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	-	-	30,000	-	-	-

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Board of Education	**CONTACT PERSON** Joseph Mancini
PROJECT NAME Clark Lane TV Studio Upgrade	**DEPARTMENT PRIORITY**

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

The TV Studio is used every day at Clark Lane for live morning announcements, news, and other events. It was installed in 2007. The heart of the system is a video processor called a tricaster. Other major components include video streaming appliances, cameras, and computers. Certain parts of the studio need to be replaced as components fail, get worn out and reach end of life. This funding request will enable the Clark Lane TV studio to continue be a beneficial resource for the middle school, and ensure the latest technologies are provided to the students.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR			40,000			
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	-	-	40,000	-	-	-

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Board of Education	**CONTACT PERSON** Joseph Mancini
PROJECT NAME Retro-Commissioning at Great Neck	**DEPARTMENT PRIORITY**

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

This is for the 10-year retro-commissioning of Great Neck Elementary School. It is highly recommended that after the first ten years of service, that a commissioning agent be retained to go over the entire heating and cooling system. Both the US Green Building Council and LEED recommend this procedure. It involves an in depth look at the building management system, trending data, and a test of all of the sensors and systems throughout.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR				30,000		
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	-	-	-	30,000	-	-

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY
Board of Education

CONTACT PERSON
Joseph Mancini

PROJECT NAME
Upgrade District Phone System

DEPARTMENT PRIORITY

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

The current phone installation began in 2009 with Quaker Hill Elem. School and was completed in 2013 with Waterford High School. It is comprised of VOIP Servers, gateways and phones throughout the Waterford school district. A VOIP system has many benefits. Cost savings because is uses the intranet and less phone lines from the phone company. Phone portability, this allows the school district to easily move phones without calling in external vendors for assistance. Allows for integration with the school lockdown system. VOIP systems have major components. Servers and gateways that need replacing in order to maintain the sophisticated features it provides. These components have a useful life of 10 years.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR				100,000		
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	-	-	-	100,000	-	-

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Board of Education	**CONTACT PERSON** Joseph Mancini
PROJECT NAME Video Distribution System	**DEPARTMENT PRIORITY**

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

The video distribution system enables staff and students to view live TV, recorded broadcasts, and lessons on any monitor or classroom projector district wide. It was installed in 2013 at WHS. The system is comprised of video servers, streaming appliances, and a controller. This funding will replace the servers and related components due to end of life.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR				75,000		
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	-	-	-	75,000	-	-

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY
Board of Education

CONTACT PERSON
Joseph Mancini

PROJECT NAME
Waterford High School Retro Commissioning

DEPARTMENT PRIORITY

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

This is for the 10-year retro-commissioning of Waterford High School. It is highly recommended that after the first ten years of service, that a commissioning agent be retained to go over the entire heating and cooling system. Both the US Green Building Council and LEED recommend this procedure. It involves an in depth look at the building management system, trending data, and a test of all of the sensors and systems throughout. The higher estimated costs on this system is because we expect there to be some modifications to our existing systems, as this is slated for 2022 we will continue to hone our estimate.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR					200,000	
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	-	-	-	200,000	-

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	CONTACT PERSON
Board of Education	Joseph Mancini
PROJECT NAME	**DEPARTMENT PRIORITY**
IT - BOE Munis Implementation	

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

The Board of Education is seeking to replace their existing Enterprise Resource Planning with Munis. Munis has recently been implemented for the Town of Waterford. The existing financial system for the Board of Education is no longer supported by the vendor and is being fazed out.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR						200,000
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**	**0**	**0**	**0**	**0**	**200000**

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Board of Education	**CONTACT PERSON** Joseph Mancini
PROJECT NAME WHS TV Studio Upgrade	**DEPARTMENT PRIORITY**

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

The TV Studio is used every day at WHS for live morning announcements, news, and events. It was installed in 2013. A Professional level tricaster video processor ensures superior live experience for viewers. Major components include video streaming appliances, cameras, and computers. The system is tied into the local Cable Access Channel 22, which allows the school district and others to share presentations to the community. The system has an automated scheduler that allows 24x7 broadcasts to be sent out to the cable station. The studio has a comprehensive control room. The studio equipment extends to remote broadcast locations at the football & baseball fields, and auditorium and is used for such events as Graduation. Parts of the studio need to be replaced as components fail, get worn out and reach end of life. This funding request will enable the WHS TV studio to continue be a beneficial resource for the Waterford community.

2 PROJECT STATUS IF IN PROGRESS

N/A

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

N/A

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

N/A

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR					160,000	
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**	**0**	**0**	**0**	**160000**	**0**

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Board of Education	**CONTACT PERSON** Joseph Mancini
PROJECT NAME Turf Field and Track Rehabilitation 2032	**DEPARTMENT PRIORITY** 6

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

The appropriation for FY2023 at $100,000 is planning for the FY2032 replacement of the turf field.

2 PROJECT STATUS IF IN PROGRESS

Not currently in progress

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

This project stands alone

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

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)

None available

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR						100,000
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**	**0**	**0**	**0**	**0**	**100,000**

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM-FY 2019-2023

	DEPARTMENT/ AGENCY:	EMERGENCY MANAGEMENT						
DEPT PRIORITY	PROJECT NAME	FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTAL
3	Mobile & Portable Radio Replacement Program	3	213,447.00	213,447.00	213,447.00			**640,341.00**
								0.00
								0.00
								0.00
								0.00
								0.00
								0.00
								0.00
								0.00
	TOTALS		**213,447.00**	**213,447.00**	**213,447.00**	**0.00**	**0.00**	**640,341.00**

INDEX TO FUNDING SOURCES,

1 CURRENT YEAR CAPITAL IMPROVEMENTS
3 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

DEPARTMENT/AGENCY	**CONTACT PERSON**
Emergency Manangment	Stephen Bellos
PROJECT NAME	**DEPARTMENT PRIORITY**
Mobile & Portable Radio Replacement Program	3

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

To replace the mobile and portable radio's for the town wide radio system. We will be replacing fire service portables and mobile radio units at the end of the years into 2021. We will be using BeOn for the other town agencies. BeOn is a smart phone application that could be used instead of purchasing mobile and portables for non emergency personnel, excluding public works. The cost for the BeOn application is $300 per application. The cost for the BeOn would be paid for out of the Emergency Management operating budget within 3 years. The current radios are approxiately 9 years old and are near the end of life. Within the next year or two, they will no longer be able to download software upgrades. There is a cost escalator of 3% for years 2019 & 2020.

2 PROJECT STATUS IF IN PROGRESS

On going, potential purchase of portables in FY 2018, due to the rebate still being ongoing.

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

Impacton the other departments is minimal- This project will be replacing exisint radios.

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

There will be no impact on Emergency Management's operating budget in FY18 since we are paying a maintenance contract on the existing radios and will continue with a similarly priced maintenance contract. When the BeOn application is purchased for non-emergency personnel, the operating budget in that fiscal year will include the purchase of the applications.

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 quotes

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR	250,000	213,447	213,447	213,447		
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	**250,000**	**213,447**	**213,447**	**213,447**	**0**	**0**

Town of Waterford
Emergency Management Capital Improvement Plan
Portable Radios XL-200, XL-185, & XGM-25
Fiscal Years 2019 through 2022

Fire and DPW Radios	Quantity	Cost Per Unit	Total Cost
XL-185P (Portable)			
Fire	130	$3,690.00	$479,700.00
XL-200P (Portable)			
Fire/Emergegncy Management	20	$4,165.00	$83,300.00
XG-25M (Mobil)			
Fire & DPW	86	$3,212.00	$276,232.00
Total Cost - Portable & Mobile FY2019			$839,232.00
3% ESCALATOR FY2020			$25,176.96
Total Cost - Portable & Mobile FY2020			$864,408.96
3% ESCALATOR FY2021			$25,932.27
Total Cost - Portable & Mobile FY2021			**$890,341.23**
Less FY2018 appropriation			($250,000.00)
AMOUNT REMAINING TO BE FUNDED			**$640,341.23**
AMOUNT TO BUDGET EACH YEAR THROUGH FY2021			**$213,447.08**

PROPOSAL TO SPREAD THE COST OVER 4 YEARS AND REPLACE THE RADIOS IN FY2021

Tactical Communications, Inc.
29 Soundview Road
Guilford, CT 06437
(203)453-2389

Waterford Police Department
Attention LT Bellos
Portable Radio Quotation

November 14, 2017

XL-200P Portable Radio, Configured for SINGLE Band

QTY	Part Number	Description	List Price	Unit	Extended
1	XL-PPM2M	PORTABLE, XL-200P, PART, MIDNT BLK, NRB	$ 2,700.00	$ 2,025.00	$ 2,025.00
1	XL-PL4L	FEATURE,SINGLE BAND 7/800	$ 0.01	$ 0.01	$ 0.01
1	XL-NC8D	ANTENNA,WHIP,1/2 WAVE 762-870MHZ	$ 35.00	$ 28.00	$ 28.00
1	XL-PKGPT	FEATURE PACKAGE,P25 TRUNKING	$ 1,500.00	$ 1,200.00	$ 1,200.00
1	XL-PL5K	FEATURE,PROFILE OTAP OVER-THE-AIR PRGM	$ 265.00	$ 212.00	$ 212.00
2	XL-PA3V	BATTERY,LI-ION,3100 MAH	$ 150.00	$ 120.00	$ 240.00
1	XL-CH4X	CHARGER,1-BAY	$ 150.00	$ 120.00	$ 120.00
1	XL-AE4B	SPEAKER MICROPHONE,EMER BUTTON	$ 175.00	$ 140.00	$ 140.00
1	XL-Y3EWP	WARRANTY, EXTENDED 3 YR, PORTABLE	$ 200.00	$ 200.00	$ 200.00
0	XL-B41314	FEATURE,LTE,B14-FN&B4/13-VZW,FACT INST	$ 985.00	$ 788.00	$ -
		Sub Total			$ 4,165.01
		Radio Refresh Trade-In			$ (700.00)
		Total			$ 3,465.01

Quote Validity 30 Days
Terms Net 30 Days

Tactical Communications, Inc.
29 Soundview Road
Guilford, CT 06437
(203)453-2389

Waterford Police Department
Attention LT Bellos
Portable Radio Quotation

November 14, 2017

XL-185P Portable Radio

QTY	Part Number	Description	List Price	Unit	Extended
1	XS-PPS1M	PORTABLE,XL-185P 7/800MHZ, PKP,BLK,US	$ 2,050.00	$ 1,537.50	$ 1,537.50
1	XS-NC8E	ANTENNA,WHIP,DUAL-BAND,UHF/700/800MHZ	$ 50.00	$ 40.00	$ 40.00
1	XS-PKGPT	FEATURE PACKAGE,P25 TRUNKING	$ 1,500.00	$ 1,200.00	$ 1,200.00
1	XS-PL5K	FEATURE,PROFILE OTAP OVER-THE-AIR PRGM	$ 265.00	$ 212.00	$ 212.00
2	XS-PA3V	BATTERY,LI-ION,3100 MAH	$ 150.00	$ 120.00	$ 240.00
1	XS-CH4X	CHARGER,1-BAY,XL-185P	$ 150.00	$ 120.00	$ 120.00
1	XS-AE4B	SPEAKER MICROPHONE,EMER BUTTON	$ 175.00	$ 140.00	$ 140.00
1	XL-Y3EWP	WARRANTY, EXTENDED 3 YR, PORTABLE	$ 200.00	$ 200.00	$ 200.00
0	XL-B41314	FEATURE,LTE,B14-FN&B4/13-VZW,FACT INST	$ 985.00	$ 788.00	$ -
		Sub Total			$ 3,689.50
		Radio Refresh Trade-In			$ (550.00)
		Total			$ 3,139.50

Quote Validity 30 Days
Terms Net 30 Days

TACTICAL COMMUNICATIONS

CT Lic# 702129

Tactical Communications,Inc.
29 Soundview Road
Guilford CT 06437
(Telephone) 203-453-2389
(Toll Free) 800-933-0313
www.taccomm.com

QUOTATION

QUOTE NO.: 210927
DATE: 11/15/17
TERMS: NET 30

Please reference Quote No. on Correspondence & purchase orders.
Prices good for 30 days.

WAT001
TO: WATERFORD EMERGENCY COMM CTR
ATTENTION: KAREN FERRARA
204 BOSTON POST ROAD
WATERFORD, CT 06385

WE ARE PLEASED TO QUOTE YOU THE FOLLOWING:

Service Requested

WATERFORD POLICE RADIO PURCHASE. INSTALLATION AND PROGRAMMING LABOR NOT INCLUDED IN QUOTE. THIS IS FOR BUDGET PURPOSES ONLY. THIS IS NOT AN INVOICE.

Qty	Item	Description	Unit Price	Disc	Total
1.00	DM-M78B	MOBILE,XG-25M,700/800 MHZ,35W	2,100.0000	420.00	1,680.00
1.00	DM-PL5K	FEATURE, PROFILE OTAP	265.0000	53.00	212.00
1.00	DM-PL7Z	FEATURE,512 SYSTEM/GROUPS	.0100		.01
1.00	DM-PKGPT	FEATURE PACKAGE,P25 TRUNKING	750.0000	150.00	600.00
1.00	DM-ZN9Z	REMOTE MOUNT CONVERSION KIT	481.7700	96.35	385.42
1.00	DM-MC9R	MICROPHONE,STANDARD,XG-25M	80.9400	16.19	64.75
1.00	DM-ZN9X	KIT,ACCESSORIES,XG-25M	195.0000	39.00	156.00
1.00	AN-125001-003	ANTENNA,BASE,THICK ROOF MT	45.0000	9.00	36.00
1.00	AN-225001-001	ANTENNA,ELEMENT 700/800 3dB	90.0000	18.00	72.00
1.00	CONNECTOR		6.5000		6.50
1.00	TRADE IN	VALID THRU JUNE 2018	400.0000-		400.00-

Parts	2,812.68
Tech Svc	.00
Total Svc	2,812.68
Shipping	.00
Tax	.00
Total Due	**2,812.68**

ORDERS SUBJECT TO SHIPPING & HANDLING AND SALES TAX IF APPLICABLE

TERMS SUBJECT TO CREDIT REVIEW

Accepted by _____ **P.O. No.** _____
LEGAL NAME OF PURCHASER

_____ **Date** _____
AUTHORIZED SIGNATURE





XL-200P PORTABLE

CONVERGED LTE LAND MOBILE RADIO

The Harris XL-200P is the industry's leading converged multiband LTE, full-spectrum LMR. Capable of operating on VHF, UHF and 700/800 MHz frequencies, this powerful portable merges robust LMR voice with voice and data over cellular, LTE and Wi-Fi, and is both Verizon Certified and Band 14 ready.

EXCEPTIONAL COMMUNICATIONS IN SEVERE ENVIRONMENTS

Designed from the ground up with input from mission-critical users, the XL-200P is an entirely new radio platform. Its advanced processor, memory and software technologies merge robust LMR voice with voice and data over cellular, LTE and Wi-Fi, for leading-edge connectivity.

The XL-200P is engineered for audio excellence, combining a powerful 1.5/4.0 watt max amplifier and custom speakers with advanced noise cancellation technology to suppress feedback, delivering clear communications in a wide range of noisy environments. Compact and ergonomic, the portable's shape is based on extensive research, resulting in a radio that fits naturally in users' hands. Controls are shaped and arranged for ease of use and optimum performance, including accessory connections.

With its ruggedized aluminum I-beam frame and tough seals, the XL-200P is built to operate in severe environments. This radio meets MIL-STD-810G for durability, including Method 511.5 for explosive atmospheres and Method 504.1 for contamination by fluids, so it can be scrubbed with cleansers and biological sanitizers.

The XL-200P supports a choice of encryption methods for secure communications, including single-key AES.

KEY FEATURES

- Verizon Certified and Band 14 ready
- Instant recall of received audio replays transmissions to avoid missed calls
- Wi-Fi® connectivity for voice delivery outside coverage areas through Harris BeOn® application
- Optional cell modem for voice and data wherever cellular/LTE is available
- Built-in GPS, Bluetooth®, Active Noise Cancellation, and 4-position A-B-C-D switch standard

SPECIFICATIONS FOR: XL-200P PORTABLE FULL-SPECTRUM MULTIBAND RADIO

GENERAL

Radio Models:		
Full Keypad	TFT LCD w/DTMF keypad, navigation cluster, soft keys	
Partial Keypad	TFT LCD w/partial keypad, navigation cluster, soft keys	
Dimensions w/Battery (H x W x D)	5.8 x 2.3 x 1.4 in (148.0 x 60.0 x 36.0 mm)	
Weight	**w/Battery and Antenna** 16.2 oz (464 g)	**w/o Battery and Antenna** 10.4 oz (296 g)
Housing Colors	Midnight Black, High-Visibility Yellow	
Interfaces:		
Front Display	320 x 178 pixels, 1.8 inch transflective LCD, 16-bit color with backlight	
Top Display	128 x 32 pixels, 1.1 inch multi-color backlight, sunlight readable	
Keypad	Backlight, 3 soft keys, 5-way navigation key, full DTMF keypad	
Buttons	Large PTT button, on/off knob, volume knob, red emergency button, 16-position top-mounted rotary knob, 2-position concentric switch, 4-position toggle switch, 3 programmable side buttons	
Tx/Rx Indicator	Multi-colored LEDs	
Transceiver	**Supported Bands** VHF, UHF, 700/800 MHz and LTE	**Channel Capacity** 12,500 (1,250 per mission plan)
Environmental:		
Relative Humidity	5% @ 140°F (+60°C), 95% @ 122°F (+50°C)	
Vibration	USDA LMR Standard, Section 2.15 and MIL-STD-810G, Test Method 514.6	
Drop Shock	1.0 meter drop to concrete (exceeds TIA-603-D)	
Immersion[1]	2 meters for 4 hours in accordance with MIL-STD-810G/IP68	
Operating Temperature[2]	-22°F to +140°F (-30°C to +60°C)	
Storage Temperature[3]	-40°F to +176°F (-40°C to +80°C)	
Altitude	**Operational** 15,000 feet (4,572 meters)	**In Transit** 50,000 feet (15,240 meters)
Electrical Input Voltage	7.5 VDC (nominal)	
GPS/GNSS Specifications:		
Channels	52	
Tracking Sensitivity (dBm)	-166 (GPS), -163 (GLONASS)	
Acquisition Sensitivity (dBm)	-146 (GPS)	
Cold Start w/-130 dBm input	<35 seconds	
Hot Start w/-130 dBm input	<1 second	
Safety:		
Hazardous Location Options	Approved for use in the U.S. and Canada in Class I, Division 2 Groups A, B, C and D hazardous locations	
RoHS Compliant		

[1] Optional feature
[2] Extreme low temperatures adversely affect battery life
[3] Store batteries at +25° C ± 5° C

LMR TRANSMITTER

Frequency Bands	VHF*	UHF*	700/800 MHz
Frequency Ranges (MHz) **Option 1 (U.S.)**	136-174	378-522	768-776, 798-806, 806-816, 851-861
Option 2 (International)	136-174	378-522	763-776, 793-806, 806-825, 851-870
Rated RF Power/Talkaround (W)	1-6	1-5	0.5-3
Frequency Stability (-30 to +60°C)	±1.0 ppm	±1.0 ppm	±1.0 ppm
Modulation Limiting (kHz)	2.5, 4, 5 (FM)	2.5, 4, 5 (FM)	2.5, 4, 5 (FM)
Audio Response (dB)	+1/-3	+1/-3	+1/-3
Spurious and Harmonics (dBc)	-80 (FCC Part 90)	-80 (FCC Part 90)	-80 (FCC Part 90)
FM Hum and Noise Companion Receiver (dB):			
@ 25 kHz	70	60	55
@ 12.5 kHz	47	47	45
Audio Distortion (%)	<1.25	<1.25	<1.25
Project 25 Modulation Fidelity (%)	1.0	1.0	1.0
Project 25 Adjacent Channel Power (dBc)	>71	>71	>71

*Full-spectrum multiband VHF and UHF product is compliant with applicable FCC narrowbanding mandate below 512 MHz

REGULATORY DATA

Frequency Range	RF Output	Frequency Stability	FCC Type Acceptance No.	Applicable FCC Rules	Industry Canada Certification No.	Applicable Industry Canada Rules	NTIA Cert. No.
136-174 MHz	6 W	±1.0 ppm	OWDTR-0133-E, OWDTR-0145-E	22, 74, 80, 90	3636B-0133, 3636B-0145	RSS-119	SPS-217 49/1
378-522 MHz	5 W	±1.0 ppm	OWDTR-0133-E, OWDTR-0145-E	22, 74, 80, 90	3636B-0133, 3636B-0145	RSS-119	SPS-217 49/1
768-776 MHz	3 W	±1.0 ppm	OWDTR-0133-E, OWDTR-0145-E	90	3636B-0133, 3636B-0145	RSS-119	
798-806 MHz	3 W	±1.0 ppm	OWDTR-0133-E, OWDTR-0145-E	90	3636B-0133, 3636B-0145	RSS-119	
806-816 MHz	3 W	±1.0 ppm	OWDTR-0133-E	90	3636B-0133	RSS-119	
806-825 MHz	3 W	±1.0 ppm	OWDTR-0145-E	90	3636B-0145	RSS-119	
851-861 MHz	3 W	±1.0 ppm	OWDTR-0133-E	90	3636B-0133	RSS-119	
851-869 MHz	3 W	±1.0 ppm	OWDTR-0145-E	90	3636B-0133	RSS-119	

SPECIFICATIONS FOR: XL-200P PORTABLE FULL-SPECTRUM MULTIBAND RADIO

REGULATORY DATA (Continued)

Frequency Range	RF Output	Frequency Stability	FCC Type Acceptance No.	Applicable FCC Rules	Industry Canada Certification No.	Applicable Industry Canada Rules	NTIA Cert. No.
2402-2480 MHz	0.2 W	N/A	OWDTR-0133-E, OWDTR-0145-E	15	3636B-0133, 3636B-0145	RSS-119	
5180-5825 MHz	0.1 W	N/A	OWDTR-0133-E, OWDTR-0145-E	15	3636B-0133, 3636B-0145	RSS-119	

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

LMR RECEIVER

Frequency Bands	VHF	UHF	700/800 MHz
Frequency Ranges (MHz):			
Option 1 (U.S.)	136-174	378-522	768-776, 851-861
Option 2 (International)	136-174	378-522	763-776, 851-870
Channel Spacing (kHz)	25 (wideband*), 12.5 (narrowband), 6.25 equiv (TDMA P25 Phase 2)		
Frequency Stability (-30 to +60°C)	±1.0 ppm	±1.0 ppm	±1.0 ppm
Sensitivity (dBm): **@ 12 dB SINAD**	-122	-121	-121 (700 MHz) -120 (800 MHz)
Project 25 Reference Sensitivity (dBm): **@ 5% BER**	-122	-121	-120.5
Analog Selectivity (dB):			
@ 25 kHz	77	77	74
@ 12.5 kHz	71	70	64
Project 25 Adjacent Channel Rejection (dB)	66.2	62.2	62
Offset Channel Selectivity (dB): **@ NPSPAC**	NA	NA	30
Intermodulation (dB)	80	81	77
Spurious and Image Rejection (dB)	90	87	80
FM Hum and Noise (dB):			
@ 25 kHz	-60	-60	-55
@ 12.5 kHz	-55	-53	-50
Audio Output - Rated/Max (mW)	1500/4000	1500/4000	1500/4000
Audio Distortion @ Rated Power (%)	1.1	1.1	1.1

*Full-spectrum multiband 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
	Solar radiation	505.5	1
	Contamination by fluids	504.1	2
	Rain	506.5	1, 3
	Humidity	507.5	2
	Salt fog	509.5	1
	Blowing dust and sand	510.5	1, 2
	Explosive atmosphere	511.5	1
	Immersion in water**	512.5	1
	Vibration (minimum integrity)	514.6	1, Category 24
	Vibration (basic transportation)	514.6	1, Category 4
	Shock (functional/basic)	516.6	1
	Shock (transit drop)	516.6	4
	Shock (bench handling)	516.6	6
IEC 60529	Dust-tight, continuous immersion in water**		IP68

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

CELLULAR BROADBAND

LTE Protocol	3GPP Release 10, Power Class 3 UE with Rx diversity
Public Safety Broadband	Band 14, 788-798 MHz Tx, 758-768 MHz Rx, 5 or 10 MHz BW
Commercial Broadband	Verizon Certified Band 13, 777 787 MHz Tx, 746 756 MHz Rx, 5 or 10 MHz BW
Commercial Broadband	Verizon Certified Band 4, 1710-1755 MHz Tx, 2110-2155 MHz Rx, 5, 10, 15, or 20 MHz BW
Wi-Fi	802.11 b/g/n 2.4 GHz and 5 GHz
Bluetooth	Bluetooth 4.0 (128-bit encryption)

DIGITAL OPERATION

Protocol	ProVoice™	P25
Vocoding Method	AMBE +2™ enhanced full rate	AMBE +2 enhanced full rate and enhanced half rate
Signaling Rate (kbps)	9.6	9.6
Modulation	GFSK	Phase 1 Tx: C4FM, Rx: C4FM and WCQPSK

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 Keys per Radio	Capable of storing 128 keys (64 AES, 64 DES)
Keying	Harris Key Loader, Over-the-Air Rekeying (OTAR), Motorola KVL 3000+/4000
Standards	FIPS 140-2, FIPS 197

BATTERIES

Type	Dimensions (H x W x D)	Weight	Capacity (mAh)
Li-Ion	3.0 x 2.3 x 0.9 inch	4.8 oz (136 g)	3100

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

ACCESSORIES

The XL-200P is available with a selection of dependable Harris accessories that operate in a range of environments. Several are shown below.

Headsets

The XL-200P can be used with a wide variety of headsets and covert audio accessories to provide a complete user-gear solution for the industrial, public safety, utility, and transportation markets. Heavy-duty and lightweight headsets are available with in-ear or over-the-ear hearing protection, flexible boom microphones with noise-reduction technology, and standard or remote PTTs. In addition, the XL-200P can be used with Bone Conducting Skull Headsets and Throat Microphone/Headset Kits. Covert audio kits are available in black or beige, 2-wire or 3-wire configurations with ear-piece, microphone and PTT.



3-Wire Mini-Lapel Microphone



Tactical Headset

Carrying Cases

Harris offers a versatile line of carrying cases for the XL-200P full-spectrum multiband radio. Options include a standard belt clip and premium belt loop, both of which afford the radio user a low-profile, integrated carrying option. In addition, a premium leather holster is available for attaching to a belt or wearing with the premium leather shoulder strap.



Belt Clip



Leather Carrying Case

Chargers

Harris offers a variety of chargers for the XL-200P: Single-Bay, Multi-Bay and a Vehicular Charger for in-car charging. The chargers are designed to quickly and safely charge battery packs in approximately 1 to 4 hours.



Single-Bay Charger



*Multi-Bay Charger**



*Vehicular Charger**

Additional Accessories Available

Bluetooth speaker microphones, Bluetooth covert earpieces, standard speaker microphones, Lithium Ion battery, PC programming software and cables, other subminiature surveillance accessories, and antennas.

*Accessories unavailable in Brazil

About Harris Corporation

Harris Corporation is a leading technology innovator, solving customers' toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports government and commercial customers around the world. Learn more at harris.com.

FLORIDA | NEW YORK | VIRGINIA | BRAZIL | UNITED KINGDOM | UAE | SINGAPORE

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HARRIS® TECHNOLOGY TO CONNECT, INFORM AND PROTECT™





XL-185P PORTABLE

CONVERGED LTE LAND MOBILE RADIO

The Harris XL-185P is the industry's first and only single-band LTE LMR radio. Capable of operating on VHF, UHF, 700/800 or 900 MHz frequencies, this converged P25 portable merges robust LMR communications with voice and data over cellular, LTE and Wi-Fi®. The XL-185P is open standards-based, Verizon Certified and Band 14 ready, giving organizations a flexible upgrade path to emerging capabilities and networks as needs change.

ADVANCED CONNECTIVITY IN EXTREME ENVIRONMENTS

KEY FEATURES

Optional cell modem for voice and data wherever cellular/LTE is available

Extends PTT coverage worldwide via Wi-Fi through Harris BeOn® application

Compact and lightweight, ruggedized to withstand extreme conditions

Built-in GPS, Bluetooth®, Active Noise Cancellation, and 4-position A-B-C-D switching is standard

Engineered for top performance in severe conditions, the XL-185P is an ideal, economical choice for public safety and utility workers. The portable features a ruggedized aluminum I-beam frame and meets MIL-STD-810G for durability, including Method 511.5 for explosive atmospheres and Method 504.1 for contamination by fluids, so it can be scrubbed with cleansers and biological sanitizers.

The XL-185P delivers industry-leading, loud audio powered by a 1.5 watt/ 4 watt max amplifier with woofer and tweeter speakers—and advanced noise cancellation technologies suppressing audio feedback to provide clear communications through a wide range of conditions.

Compact and lightweight, the XL-185P fits naturally into users' hands, with controls shaped for fast, easy, gloved-hand operation. The color-coded display and easy-access A-B-C-D switching allows fast identification and selection of priority talk groups. First responders also avoid missing critical calls through the portable's ability to instantly recall and replay received audio.

SPECIFICATIONS FOR: **XL-185P PORTABLE RADIO**

GENERAL

Radio Models:		
Full Keypad	TFT LCD w/DTMF keypad, navigation cluster, soft keys	
Partial Keypad	TFT LCD w/partial keypad, navigation cluster, soft keys	
Dimensions w/Battery (H x W x D)	5.8 x 2.3 x 1.4 in (148.0 x 60.0 x 36.0 mm)	
Weight	**w/Battery and Antenna** 16.2 oz (464 g)	**w/o Battery and Antenna** 10.4 oz (296 g)
Housing Colors	Midnight black, high-visibility yellow	
Interfaces:		
Front Display	320 x 178 pixels, 1.8 inch transflective LCD, 16-bit color with backlight	
Top Display	128 x 32 pixels, OLED 1.1 inch multi-color backlight, sunlight readable	
Keypad	Backlight, 3 soft keys, 5-way navigation key, full DTMF keypad	
Buttons	Large PTT button, on/off knob, volume knob, red emergency button, 16-position top-mounted rotary knob, 2-position concentric switch, 4-position toggle switch, 3 programmable side buttons	
Tx/Rx Indicator	Multi-colored LEDs	
Transceiver	**Supported Bands** VHF, UHF, 700/800 MHz, 900 MHz, and LTE	**Channel Capacity** 12,500 (1,250 per mission plan)
Environmental:		
Relative Humidity	5% @ 140°F (+60°C), 95% @ 122°F (+50°C)	
Vibration	USDA LMR Standard, Section 2.15 and MIL-STD-810G, Test Method 514.6	
Drop Shock	1.0 meter drop to concrete (exceeds TIA-603-D)	
Immersion[1]	2 meters for 4 hours in accordance with MIL-STD-810G/IP68	
Operating Temperature[2]	-22°F to +140°F (-30°C to +60°C)	
Storage Temperature[3]	-40°F to +176°F (-40°C to +80°C)	
Altitude	**Operational** 15,000 feet (4,572 meters)	**In Transit** 50,000 feet (15,240 meters)
Electrical Input Voltage	7.5 VDC (nominal)	
GPS/GNSS Specifications:		
Channels	52	
Tracking Sensitivity (dBm)	-166 (GPS), -163 (GLONASS)	
Acquisition Sensitivity (dBm)	-146 (GPS)	
Cold Start w/-130 dBm input	<35 seconds	
Hot Start w/-130 dBm input	<1 second	
Safety:		
Hazardous Location Options		
RoHS Compliant		

[1] Optional feature
[2] Extreme low temperatures adversely affect battery life
[3] Store batteries at +25°C ± 5°C

LMR TRANSMITTER

Frequency Bands	VHF	UHF	700/800 MHz	900 MHz
Frequency Ranges (MHz) **Option 1 (US)**	136-174	378-522	768-776, 798-806, 806-816, 851-861	896-902, 935-944
Option 2 (International)	136-174	378-522	763-776, 793-806, 806-825, 851-870	896-902, 935-944
Rated RF Power/Talkaround (W)	1-6	1-5	0.5-3	0.5-3.5
Frequency Stability (-30 to +60°C)	±1.0 ppm	±1.0ppm	±1.0 ppm	±1.0 ppm
Modulation Limiting (kHz)	2.5, 4, 5 (FM)	2.5, 4, 5 (FM)	2.5, 4, 5 (FM)	2.5, 4, 5 (FM)
Audio Response (dB)	+1/-3	+1/-3	+1/-3	+1/-3
Spurious and Harmonics (dBc)	-80 (FCC Part 90)	-80 (FCC Part 90)	-80 (FCC Part 90)	-80 (FCC Part 90)
FM Hum and Noise Companion Receiver (dB):				
@ 25 kHz	70	60	55	55
@ 12.5 kHz	47	47	45	45
Audio Distortion (%)	<1.25	<1.25	<1.25	<1.25
Project 25 Modulation Fidelity (%)	1.0	1.0	1.0	1.0
Project 25 Adjacent Channel Power (dBc)	>71	>71	>71	>70

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

SPECIFICATIONS FOR: **XL-185P PORTABLE RADIO**

REGULATORY DATA

Frequency Range		RF Output	Frequency Stability	FCC Type Acceptance No.	Applicable FCC Rules	Industry Canada Certification No.	Applicable Industry Canada Rules	NTIA Cert. No.
136 - 174 MHz		6 W	±1.0 ppm	OWDTR-0150-E	22, 74, 80, 90	3636B-0150	RSS-119	SPS-217 49/1
378 - 522 MHz		5 W	±1.0 ppm	OWDTR-0149-E	22, 74, 80, 91	3636B-0149	RSS-119	SPS-217 49/1
768 - 776 MHz		3 W	±1.0 ppm	OWDTR-0147-E & OWDTR-0148-E	90	3636B-0147	RSS-119	
798 - 806 MHz		3 W	±1.0 ppm	OWDTR-0147-E & OWDTR-0148-E	90	3636B-0147	RSS-119	
806 - 816 MHz		3 W	±1.0 ppm	OWDTR-0147-E	90	3636B-0147	RSS-119	
806 - 825 MHz		3 W	±1.0 ppm	OWDTR-0148-E	90	3636B-0148	RSS-119	
851 - 861 MHz		3 W	±1.0 ppm	OWDTR-0147-E	90	3636B-0147	RSS-119	
851 - 869 MHz		3 W	±1.0 ppm	OWDTR-0148-E	90	3636B-0148	RSS-119	
896 - 901 MHz		3w	±1.0 ppm	OWDTR-0143-E	90, 24D, 101	3636B-0143	RSS-119	
901 - 902 MHz		3w	±1.0 ppm	OWDTR-0143-E	90, 24D, 101	3636B-0143	RSS-119	
940 - 941 MHz		3w	±1.0 ppm	OWDTR-0143-E	90, 24D, 101	3636B-0143	RSS-119	
935 - 940 MHz		3w	±1.0 ppm	OWDTR-0143-E	90, 24D, 101	3636B-0143	RSS-119	
941 - 944 MHz		3w	±1.0 ppm	OWDTR-0143-E	90, 24D, 101	3636B-0143	RSS-119	
2402 - 2460 MHz	VHF single band	0.2 W	N/A	OWDTR-0150-E	15	3636B-0150	RSS-119	
	UHF single band	0.2 W	N/A	OWDTR-0149-E	15	3636B-0149	RSS-119	
	RB single band	0.2 W	N/A	OWDTR-0147-E	15	3636B-0147	RSS-119	
	NRB single band	0.2 W	N/A	OWDTR-0148-E	15	3636B-0148	RSS-119	
5180 - 5825 MHz	VHF single band	.01 W	N/A	OWDTR-0150-E	15	3636B-0150	RSS-119	
	UHF single band	.01 W	N/A	OWDTR-0149-E	15	3636B-0149	RSS-119	
	RB single band	.01 W	N/A	OWDTR-0147-E	15	3636B-0147	RSS-119	
	NRB single band	.01 W	N/A	OWDTR-0148-E	15	3636B-0148	RSS-119	

LMR RECEIVER

Frequency Bands	VHF	UHF	700/800 MHz	900 MHz
Frequency Ranges (MHz):				
Option 1 (US)	136-174	378-522	768-776, 851-861	935-944
Option 2 (International)	136-174	378-522	763-776, 851-870	935-944
Channel Spacing (kHz)	25 (wideband), 12.5 (narrowband), 6.25 equiv (TDMA P25 Phase 2)		25 (wideband), 12.5 (narrowband), 6.25 equiv (TDMA P25 Phase 2)	
Frequency Stability (-30 to +60°C)	±1.0 ppm	±1.0 ppm	±1.0 ppm	±1.0 ppm
Sensitivity (dBm): @ 12 dB SINAD	-122	-121	-121 (700 MHz) -120 (800 MHz)	-120 (900 MHz)
Project 25 Reference Sensitivity (dBm): @ 5% BER	-122	-121	-120.5	-120.5
Analog Selectivity (dB):				
@ 25 kHz	77	77	74	74
@ 12.5 kHz	71	70	64	64
Project 25 Adjacent Channel Rejection (dB)	66.2	62.2	62	62
Offset Channel Selectivity (dB): @ NPSPAC	NA	NA	30	30
Intermodulation (dB)	80	81	77	77
Spurious and Image Rejection (dB)	90	87	80	80
FM Hum and Noise (dB):				
@ 25 kHz	-60	-60	-55	-55
@ 12.5 kHz	-55	-53	-50	-50
Audio Output - Rated/Max (mW)	1500/4000	1500/4000	1500/4000	1500/4000
Audio Distortion @ Rated Power (%)	1.1	1.1	1.1	1.1

BROADBAND

LTE Protocol	3GPP Release 9, Power Class 3 UE with Rx diversity
Public Safety Broadband	Band 14, 788-798 MHz Tx, 758-768 MHz Rx, 5 or 10 MHz BW
Commercial Broadband	Band 13, 777-787 MHz Tx, 746-756 MHz Rx, 5 or 10 MHz BW
Commercial Broadband	Band 4, 1710-1755 MHz Tx, 2110-2155 MHz Rx, 5, 10, 15, or 20 MHz BW
Wi-Fi	802.11 b/g/n 2.4 GHz and 5 GHz
Bluetooth	Bluetooth 4.0 (128-bit encryption)

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

SPECIFICATIONS FOR: **XL-185P PORTABLE RADIO**

DIGITAL OPERATION

Protocol	ProVoice™	P25
Vocoding Method	AMBE +2™ enhanced full rate	AMBE +2 enhanced full rate and enhanced half rate
Signaling Rate (kbps)	9.6	9.6
Modulation	GFSK	Phase 1 Tx: C4FM, Rx: C4FM and WCQPSK

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 Keys per Radio	Capable of storing 128 keys (64 AES, 64 DES)
Keying	Harris Key Loader, Over-the-Air Rekeying (OTAR), Motorola KVL 3000+/4000
Standards	FIPS 140-2, FIPS 197

BATTERIES

Type	Dimensions (H x W x D)	Weight	Capacity (mAh)
Li-Ion	3.0 x 2.3 x 0.9 in	4.8 oz (136 g)	3100

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

ACCESSORIES

Headsets

The XL-185P can be used with a wide variety of headsets and covert audio accessories to provide a complete user-gear solution for the industrial, public safety, utility and transportation markets. Heavy-duty and lightweight headsets are available with in-ear or over-the-ear hearing protection, flexible boom microphones with noise-reduction technology, and standard or remote PTTs. In addition, the XL-185P can be used with Bone Conducting Skull Headsets and Throat Microphone/Headset Kits. Covert audio kits are available in black or beige, 2-wire or 3-wire configurations with ear-piece, microphone and PTT.



3-Wire Mini-Lapel Microphone



Tactical Headset

Carrying Cases

Harris offers a versatile line of carrying cases for the XL-185P single-band radio. Options include a standard belt clip and premium belt loop, providing the user a low-profile, integrated carrying option. In addition, a premium leather holster is available for attaching to a belt or wearing with the premium leather shoulder strap.



Belt Clip



Leather Carrying Case

Chargers

Harris offers a variety of chargers for the XL-185P including Single-Bay, Multi-Bay and a Vehicular Charger for in-car charging. The chargers are designed to quickly and safely charge battery packs in approximately 1 to 4 hours.



Single-Bay Charger



*Multi-Bay Charger**



*Vehicular Charger**

Additional Accessories Available

Bluetooth speaker microphones, Bluetooth covert earpieces, standard speaker microphones, Lithium Ion battery, PC programming software and cables, other subminiature surveillance accessories, and antennas.

*Accessories unavailable in Brazil

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

About Harris Corporation

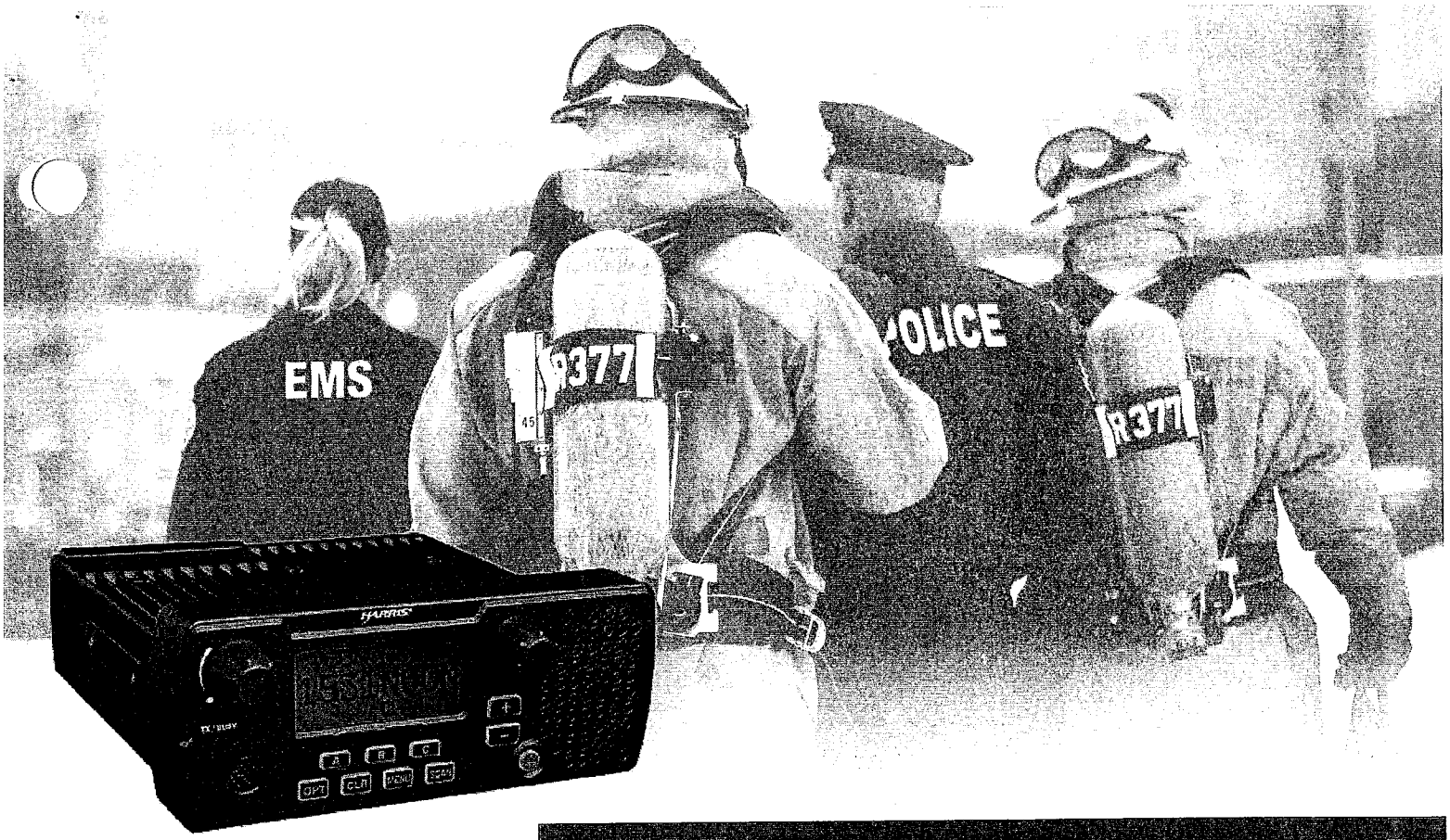
Harris Corporation is a leading technology innovator, solving customers' toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports government and commercial customers around the world. Learn more at harris.com.

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HARRIS® TECHNOLOGY TO CONNECT, INFORM AND PROTECT™



XG-25M MOBILE

VHF, UHF, 700/800 MHz

MULTIMODE INTEROPERABLE COMMUNICATIONS

The economical and feature-rich Harris XG-25M Mobile delivers exceptional audio and secure, reliable mission-critical communications. This P25 Phase 2 capable mobile is an ideal choice for first responders and utilities who want just one radio to manage their migration needs.

KEY FEATURES

- Economical choice for P25 Phase 2 migration
- Supports wideband and narrowband communications
- Future-ready, software defined architecture
- Loud, clear audio without distortion
- Ruggedized to MIL-STD-810G and IP54 standards

Designed for use on P25 and Harris legacy platforms, the XG-25M also supports EDACS®, ProVoice™ and OpenSky® systems. This flexible solution supports wideband and narrowband channels and has a software-defined architecture for in-field upgrades to additional modes including P25 trunking.

An oversized speaker and AMBE+2™ vocoder provide loud, clear audio without distortion in a wide range of emergency scenarios.

The ruggedized XG-25M exceeds durability tests, holding both a MIL-STD-810G certification and IP54 rating for protection against dust and splashing water.

An oversized front-mount control unit display and large, easy-to-read buttons simplifies the XG-25M user experience. Bluetooth® supports seamless connectivity through a variety of accessories. Standard security capabilities include choice of single-key AES or DES.

SPECIFICATIONS FOR: **XG-25M MOBILE RADIO–VHF, UHF, 700/800 MHz**

GENERAL	
Dimensions (includes knobs but not space for mounting bracket and cables)	2.8 H x 7.24 W x 7.9 D in (7.1 H x 18.4 W x 20.0 D cm)
Weight (without brackets)	5.9 lbs (2.6 kg)
Environmental Specifications	
Relative Humidity	90% @ 122° F (+50° C)
Operating Temperature	-22° F to +140° F (-30° C to +60° C)
Storage Temperature	-40° F to +176° F (-40° C to +80° C)
Altitude	
Operational	15,000 ft (4,572 m)
In Transit	50,000 ft (15,240 m)
Electrical	
DC Supply Voltage Operating Range	
Full Performance	13.6 VDC ± 10% (normal range per TIA-603)
Overall Operating Range	13.6 VDC ± 20%
DC Supply Current Requirements	
Transmit (50 W)	15 amps maximum
Receive Standby	1.4 amps maximum
Receive	4.0 amps maximum (with 15 W external speaker output power)
Safety	
RoHS compliant	
Programming	
Field PC Programmable	

TRANSMITTER Typical Performance Specifications	VHF	UHF	700 / 800 MHz
Frequency Ranges (MHz)	136-174	378-430	764-776, 794-805, 806-825, 851-870
Rated RF Power (W)	50	50	30-35
Frequency Stability (-30° C to + 60° C, +25° C Ref) (ppm)	±1.5	±1.5	±1.5
Frequency Separation (MHz)	38 (full bandwidth)	92 (full bandwidth)	NA
Modulation Deviation (kHz)	5.0 (wideband*) 2.5 (narrowband)	5.0 (wideband*) 2.5 (narrowband)	2.5, 4 or 5 FM
FM Hum and Noise Companion Receiver (dB)	49 (wideband*) 45 (narrowband)	49 (wideband*) 45 (narrowband)	49 (wideband*) 45 (narrowband) 49 (NPSPAC)
Spurious and Harmonics (dBm/dBc)	-43 / -90	-47 / -94	-52 / -97
Audio Response (dB)	Meets TIA-603-C Section 3.2.6	Meets TIA-603-C Section 3.2.6	Meets TIA-603-C Section 3.2.6
Audio Distortion (1 kHz tone)			
@ 3 kHz deviation	1% (wideband*)	1% (wideband*)	1% (800 MHz non-NPSPAC))
@ 2.4 kHz deviation	NA	NA	1% (800 MHz NPSPAC)
@ 1.5 kHz deviation	1% (narrowband)	1% (narrowband)	1% (700 MHz
Project 25 Modulation Fidelity (%)	<5	<5	<5
Project 25 Adjacent Channel Power (dBc)	>67	>67	>67

*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 Number	Applicable FCC Rules	Industry Canada Certification Number	Applicable Industry Canada Rules	NTIA Certification Number
136-174	50	±1.5	OWDTR-0075-E	22, 80, 90	3636B-0075	RSS-119, RSS-210	J/F 12/10037
378-470	50	±1.5	OWDTR-0077-E	22, 80, 90	3636B-0077	RSS-119, RSS-210	NA
769-869	35	±1.5	OWDTR-0076-E	90	3636B-0076	RSS-119, RSS-210	NA

CE For VHF and UHF models

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

SPECIFICATIONS FOR: XG-25M MOBILE RADIO–VHF, UHF, 700/800 MHz

RECEIVER

Typical Performance Specifications	VHF	UHF	700 / 800 MHz
Frequency Range (MHz)	136-174	378-470	764-776, 851-870
Frequency Separation (MHz)	38 (full bandwidth)	92 (full bandwidth)	NA
Channel Spacing (kHz)	25 (wideband*) 12.5 (narrowband)	25 (wideband*) 12.5 (narrowband)	25 (wideband*) 12.5 (narrowband)
Frequency Stability (-30° C to +60° C, +25 °C Ref) (ppm)	±1.5	±1.5	±1.5
Sensitivity (12 dB SINAD) (µV / dBm)	0.25/-119.0 (wideband*) 0.25/-119.0 (narrowband*)	0.25/-119.0 (wideband*) 0.25/-119.0 (narrowband*)	0.19/-121.5 (700 MHz) 0.19/-121.5 (800 MHz NPSPAC) 0.19/-121.5 (800 MHz non-NPSPAC)
Selectivity			
@ 12.5 kHz (dB)	60	60	60
@ 15 kHz (dB)	60	60	60
@ 25 kHz (dB)	75	75	75
Intermodulation (dB)	>77	>77	>77
Spurious and Image Rejection (dB)	>80	>80	>80
Rated Audio Output			
Internal Speaker	8 ohm rated at 3 W	8 ohm rated at 3 W	8 ohm rated at 3 W
Optional External Speaker	4 ohm rated at 15 W	4 ohm rated at 15 W	4 ohm rated at 15 W
Audio Distortion @ Rated Audio	<3%	<3%	<3%
Project 25 Reference Sensitivity @ 5% BER (µV / dBm)	0.22/-120	0.25/-119	0.22/-120
Project 25 Adjacent Channel Rejection (dB)	>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	
U.S. Forest Service	Vibration (10-60 Hz)	Paragraph 2.15	
IEC 60529	Dust-tight and water jets	IP54	

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

DIGITAL OPERATION

Protocol	ProVoice™	P25
Vocoding Method	AMBE + 2™ Enhanced Full Rate	AMBE + 2 Enhanced Full Rate & Enhanced Half Rate
Signaling Rate (kbps)	9.6	Phase 1: 9.6 Phase 2: 12
Modulation	GFSK	Phase 1 TX: C4FM, RX: C4FM & WCQPSK Phase 2 Control Channel TX: C4FM, RX: C4FM & WCQPSK Phase 2 Working Channel TX: HCPM, RX: HDQPSK

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 Keys	128 keys (64 AES, 64 DES)

*Interoperates with commonly available ARC4 encryption algorithms.

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

SPECIFICATIONS FOR: **XG-25M MOBILE RADIO–VHF, UHF, 700/800 MHz**

ACCESSORIES

The XG-25M offers accessories that operate under the range of conditions experienced by first responders, utility workers and public service users.

Control Units

The XG-25M comes standard with a CH-25 front-mount control unit. A conversion kit is available for remote mounting. The control unit is a Scan (limited keypad) model with a 4-line, 12-character alphanumeric display. The unit supports P25, 800 MHz EDACS and ProVoice, and OpenSky trunking operation.



CH-25 Control Unit

Microphones

Harris offers a standard microphone and a desktop microphone for use with the XG-25M. These microphones provide the high-quality audio needed by users to keep operations efficient.



Standard Microphone



Desktop Microphone

Additional Accessories Available

Antennas, front mounting kit, bracket, PC programming software and cables are available.

About Harris Corporation

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Invoice

Date	Invoice #
11/20/2017	4463

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www.bluelinecorp.net

Bill To
Waterford PD 41 Avery Lane Wateford, CT 06385

P.O. No.	Terms

Quantity	Description	Rate	Amount
	Firearm Range Rental	4,500.00	4,500.00

APPROVED FOR PAYMENT

LINE ITEM# 10129-52300 2,250.00
20829-54020 2,250.00

AMOUNT 4,500.00

DATE 11/21/17 FISCAL YEAR 17-18

SIGNATURE

Thank you for your business.

Total $4,500.00

Phone #
978-927-0911

Web Site
www.bluelinecorp.net

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM-FY 2019-2023

	DEPARTMENT/ AGENCY:	Fire Services						
DEPT PRIORITY	PROJECT NAME	FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTAL
1	Fire Services - SCBA Upgrade Program	1	140,000.00					**140,000.00**
	Fire Services - Equipment Replacement Plan			75,000.00	75,000.00	75,000.00	75,000.00	**300,000.00**
4	Public Safety - Carpet Replacement	3	30,000.00					**30,000.00**
2	Fire Dept. - Fire Station Telephone Systems	1	110,000.00					**110,000.00**
3	Fire Dept. - Hydraulic Equipment Upgrade	3	100,000.00	100,000.00				**200,000.00**
	Fire Dept. - Accoutability System					50,000.00		**50,000.00**
	Quaker Hill - Emergency Generator				50,000.00			**50,000.00**
	Quaker Hill - Parking Lot Project					50,000.00		**50,000.00**
	Quaker Hill - Roof Project					100,000.00		**100,000.00**
	Goshen - Bunkroom Renovation			50,000.00				**50,000.00**
	Goshen - Apparatus Floor Drainage					25,000.00		**25,000.00**
	Goshen - Air Conditioniong System				25,000.00			**25,000.00**
	Oswegatchie - Building Renovations	3	1,000,000.00					**1,000,000.00**
	Oswegatchie - Cascade System Replacement				75,000.00			**75,000.00**
	Cohanzie - UST Replacement			400,000.00				**400,000.00**
	Cohanzie - Rescue Truck Equipment			20,000.00	20,000.00	20,000.00	20,000.00	**80,000.00**
	Cohanzie - Emergency Generator				50,000.00			**50,000.00**
	Cohanzie - Flat Roof Replacement					100,000.00		**100,000.00**
	Cohanzie - Overhead Door Replacement				25,000.00			**25,000.00**
	TOTALS		**1,380,000.00**	**645,000.00**	**320,000.00**	**420,000.00**	**95,000.00**	**2,860,000.00**

INDEX TO FUNDING SOURCES.

1 CURRENT YEAR CAPITAL IMPROVEMENTS
3 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

DEPARTMENT/AGENCY Fire Services	**CONTACT PERSON** Bruce Miller, Director of Fire Services
PROJECT NAME Fire Services - SCBA Upgrade Program	**DEPARTMENT PRIORITY** High

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

This appropriation will be utilized to complete the final upgrade of the Air-Packs located at the Quaker Hill fire station that are from a older standard and operate differently from the current packs being used on the fireground. Having these packs in service causes a safety/training concern. Also included are upgrades to our existing rescue brethinfg units utilized by Rapid Entry Teams and during confined space operations.

2 PROJECT STATUS IF IN PROGRESS

Currently replacing the units that have reached their life expectancy.

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

None

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

Upgrade will require us to purchase a few more facemasks of various sizes. No impact of any significance is expected.

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)

None

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

State pricing quotation from Shipman's Fire Equipment (dated 8/1/2017).

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital	100,000	140,000				
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR	300,000					
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	**400,000**	**140,000**	**0**	**0**	**0**	**0**

SHIPMAN'S
FIRE EQUIPMENT CO., INC.
172 CROSS ROAD, WATERFORD, CT 06385
(860) 442-0678 • 1-800-775-7332
FAX (860) 444-7395
WWW.SHIPMANS.COM

CT DMV LICENSE # U8329

Quote No	Quote Date	Page
19462	8/1/2017	1

Purchase Order No

Bill To

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Ship to

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Customer No	Payment terms	Slspsn
W23007	Net 30	106

Loc	PPD/COL	Ship via	Ship Date
CT		OUR TRUCK	8/1/2017

Slspsn
Brian Baker
Phone: 860-625-1434
email: bbaker@shipmans.com

Qty Ordered	UOM	Item No	Unit price	Disc	Extended price
1.00	EA	X3324021200302 Scott 4.5 X3 Air Pak CGA, SC, Pak-Tracker + Dual EBSS	5,732.00		5,732.00
1.00	EA	201215-05 Scott AV-3000 HT Mask Size Medium W/Epic 3 Bracket	316.00		316.00
1.00	EA	*EQUIP MISC Scott Air Pak Up Grade To 2013 Edition Co. #2 13UG324232 DOES NOT INCUDE AV3000 HT MASK 201215-05 AND LABOR TO INSTALL KIT.	3,353.50		3,353.50
1.00	EA	*EQUIP MISC Scott Air Pak Up Grade To 2013 Edition Co. #3 & #5 13UG124232 DOES NOT INCLUDE AV3000 HT MASK 201215-05 AND LABOR TO INSTALL KIT.	3,733.50		3,733.50
1.00	EA	*SCOTTLABOR Installation of 2013 Upgrade Kit Per Unit Co's. #2,3,5 ********** ********** THE QUOTE FOR ALL ITEMS LISTED ABOVE IS VALID UNTIL DECEMBER 31, 2017.	95.00		95.00

TERMS AND CONDITIONS:
TERMS: NET 30 DAYS.
QUOTE VALID FOR 30 DAYS.
WE RESERVE THE RIGHT TO CORRECT CLERICAL ERRORS AT ANY TIME
THE QUOTE TOTAL MAY NOT REFLECT MISCELLANEOUS CHARGES, FREIGHT OR SALES TAX

Quote Total
13,230.00

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FAX (860) 444-7395
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CT DMV LICENSE # U8329

Quote No	Quote Date	Page
19458	8/1/2017	1

Purchase Order No

Bill To

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Ship to

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Customer No	Payment terms	Slspsn
W23007	Net 30	106

Loc	PPD/COL	Ship via	Ship Date
CT		OUR TRUCK	8/1/2017

Slspsn
Brian Baker
Phone: 860-625-1434
email: bbaker@shipmans.com

Qty Ordered	UOM	Item No	Unit price	Disc	Extended price
1.00	EA	*EQUIP MISC Scott SKA-PAK AT SAR424050431201 Ska-Pak AT SAR, Entry/Egress, 4500PSI, 4500/HW/10min cylinder, Kevlar® harness, E-Z Flo Vibralert regulator, Hansen air line fitting, AV-3000, Kevlar® (M) mask, no case.	2,760.00		2,760.00
1.00	EA	200954-02 Scott 4.5 Rit-Pak III With Mask, Regulator & Carry Case.	3,520.00		3,520.00

TERMS AND CONDITIONS:
TERMS: NET 30 DAYS.
QUOTE VALID FOR 30 DAYS.
WE RESERVE THE RIGHT TO CORRECT CLERICAL ERRORS AT ANY TIME
THE QUOTE TOTAL MAY NOT REFLECT MISCELLANEOUS CHARGES, FREIGHT OR SALES TAX

Quote Total
6,280.00

		Cost per Unit	Units	Sub-Totals
Jordan				
	Rit-Pak III w/Mask	$3,520.00	1	$3,520.00
Quaker Hill				
	2013 Edition Upgrade	$3,353.50	18	$60,363.00
	AV-3000 HT Masks	$316.00	27	$8,532.00
	Installation Labor	$95.00	18	$1,710.00
	Rit-Pak III w/Mask	$3,520.00	1	$3,520.00
Goshen				
	Rit-Pak III w/Mask	$3,520.00	1	$3,520.00
Oswegatchie				
	SCBA Bottles	$1,000.00	24	$24,000.00
	Rit-Pak III w/Mask	$3,520.00	1	$3,520.00
Cohanzie				
	2013 Edition Upgrade	$3,733.50	10	$37,335.00
	AV-3000 HT Masks	$316.00	16	$5,056.00
	Installation Labor	$95.00	10	$950.00
	Rit-Pak III w/Mask	$3,520.00	1	$3,520.00
	Ska-Pak w/10 min Cylinder	$2,760.00	4	$11,040.00
				$166,586.00

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172 CROSS ROAD, WATERFORD, CT 06385
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CT DMV LICENSE # U8329

Quote No	Quote Date	Page
21040	11/29/2017	1

Purchase Order No

Bill To

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Ship to

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Customer No	Payment terms	Slspsn
W23007	Net 30	106

Loc	PPD/COL	Ship via	Ship Date
CT		OUR TRUCK	11/29/2017

Slspsn
Brian Baker
Phone: 860-625-1434
email: bbaker@shipmans.com

Qty Ordered	UOM	Item No	Unit price	Disc	Extended price
1.00	EA	804721-01 SCOTT 4500 PSIG, 30 MIN., CARBON CYLINDER & VALVE ASSY. ********** PRICING ON THE ABOVE ITEMS VALID UNTIL 12/31/17.	1,045.50		1,045.50

TERMS AND CONDITIONS:
TERMS: NET 30 DAYS.
QUOTE VALID FOR 30 DAYS.
WE RESERVE THE RIGHT TO CORRECT CLERICAL ERRORS AT ANY TIME
THE QUOTE TOTAL MAY NOT REFLECT MISCELLANEOUS CHARGES, FREIGHT OR SALES TAX

Quote Total
1,045.50

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Fire Services	**CONTACT PERSON** Bruce Miller, Director of Fire Services
PROJECT NAME Public Safety Complex - Carpet Replacement	**DEPARTMENT PRIORITY** Moderate

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

This appropriation will be utilized to replace the carpeting that is poor condition throughout the Public Safety Complex.

2 PROJECT STATUS IF IN PROGRESS

Pricing being pursued through the facilities manager.

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

None

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

No impact of any significance is expected.

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)

None

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

Estimation is based on industry tsndard of $4.00 per quare foot installed by 7,500 square feet.

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR	0	30,000				
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**	**30,000**	**0**	**0**	**0**	**0**

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	CONTACT PERSON
Fire Services	Bruce Miller, Director of Fire Services
PROJECT NAME	**DEPARTMENT PRIORITY**
Fire Departments - Telephone Systems Upgrade	High

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

This appropriation will be utilized to replace the telephone systems in the fire stations as several departments are reporting that their systems are aged and are unable to maintain properly. The proposed system would be to piggyback off of the town VoIP system.

2 PROJECT STATUS IF IN PROGRESS

None

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

None

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

None

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)

None

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

Pricing quotation from the town's vendor is being calculated at time of submission.

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital	0	110,000				
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**	**110,000**	**0**	**0**	**0**	**0**

ePlus Technology, inc.
690 Canton Street, Suite 214, Westwood, MA 02090
2 Commerce Drive, Bedford, NH 03110

STATEMENT OF WORK

For

Town of Waterford

ePlus SOW # Town of Waterford-Fire House Voice Projet-MA-51717

Customer PO # _____

Contact Name	Bruce Miller
Address	204 Boston Post Road, Waterford, CT 06385
Phone	860-440-0544
Date	12/29/16

A. Introduction

This Statement of Work ("SOW") is made this 29th day of December, 2016 ("Effective Date"), by and between Town of Waterford with its principal office located at 15 Rope Ferry Road, Waterford, CT 06385 (hereinafter referred to as "Customer") and ePlus Technology, inc., a corporation organized under the laws of the Commonwealth of Virginia, with its principal place of business at 13595 Dulles Technology Drive, Herndon, VA 20171-3413 (hereinafter referred to as "ePlus"). ePlus and Customer may also be referred individually as "Party" or collectively as "Parties."

Any terms and conditions not set forth in this SOW shall be governed by the terms and conditions of the State of Connecticut Contract # 12PSX0431 for Cisco Equipment and Services.

B. Project Overview and Tasks

Executive Summary

The Customer has engaged ePlus to deploy Cisco IP telephones to operate with the existing Cisco IP based telephony system operated by Waterford Public Schools at the five (5) fire stations. This will include Cisco Emergency Responder (CER) to provide Advanced E911 services. E911 service alone can trace the location of an emergency call only to the building address from which the call originated. CER services can trace the location of an emergency call to the specific phone and/or location within the building, from which the emergency call was placed.

Relevant CER Terms

- **PSAP:** Public Safety Answering Point
  - Party responsible for answering the 911 call and arranging the appropriate emergency response
- **ANI:** Automatic Number Identification
- **LEC:** Local Exchange Carrier
- **ALI:** Automatic Location Identifier
- **ERL:** Emergency Response Location
- **ELIN:** Emergency Location Identification Number
- **DID:** Direct Inward Dial
- **SRST:** Survivable Remote Site Telephony

The five (5) firehouse locations are:

Goshen, 63 Goshen Road
Jordan, 89 Rope Ferry Road
Quaker Hill, 17 Old Colchester Road
Cohanzie, 53 Dayton Road
Oswegatchie, 441 Boston Post Road

Detailed Description of Services (and "Specifications" if applicable):

Fire Department Phones at five (5) locations

- Conduct project kickoff meeting with Customer to review/confirm the requirements of the project
- Add User Connect (UCL) licenses to the Cisco Call Manager servers at the school department
- Conduct a Design/Planning session with the Customer
- Configure sixty two (62) new phones

- Install fifty (50) Unity licenses and configure the voice mailboxes
- Up to two (2) hours of remote Day 1 support for each of the five (5) locations
- Provide as built documentation for the five (5) locations
    - Documentation to include:
        - Visio Diagram of newly installed equipment

New Copper cabling at five (5) locations:

- Install Mohawk plenum, rated CAT 6 Advance Net cabling the new copper cabling
- Terminate the new cables in the existing MDF / IDF racks
- Field end drops to terminate in a faceplate or a wall mounted face plate where needed
- New copper cabling will be supported above drop ceilings areas using the existing cable supports with new Caddy Cable cat base components and or equal @ 4-6' intervals as required per BICSI standards where possible. ePlus is not providing race way or conduit runs but will be willing to do so at an additional cost
- Provide and install computer generated P-Touch style labels on patch panels, faceplates, and jack boxes
- Data terminations, will be certified using FLUKE DSP 4300 cable analyzer or equal and the "Basic Link" testing will be performed
- Electronic test reports to be provided after project completion in PDF format
- ePlus will provide and install NEMA rated Call boxes where indicated
- This SOW assumes that there will be adequate penetrations between fire rated walls and between floors. ePlus will be willing to provide them at an additional cost
- Town Electrical Permits are excluded

Locations and specifics are as follows:

Goshen

- Install SRST Router and setup VLANs
- Deploy twelve (12) phones:
    - One (1) outdoor mounted inside the callbox
    - Four (4) wall mounted
    - Six (6) desk phones
    - One (1) Wall mounted analog phone in the outbuilding
      Note: there is no IP connectivity on the outbuilding so an analog phone is the only option
- Integrate overhead paging by dialing a single extension using the existing PA system

Jordan

- Install SRST Router and setup VLANs
- Deploy ten (10) phones:
    - One (1) outdoor mounted inside the callbox
    - Five (5) wall mounted – (two [2] in the bays, three [3] upstairs)
    - Four (4) desk phones - (two [2] downstairs, two [2] upstairs)
- Install Cabling for the SRST Router from the Phone closet to Network cabinet in the lounge
- Integrate overhead paging by dialing a single extension using the existing PA system

Quaker Hill

- Install SRST Router and setup VLANs
- Deploy thirteen (13) phones:
  - One (1) outdoor mounted inside the callbox
  - Seven (7) wall mounted
  - Four (4) desk phones
  - One (1) Wall mounted analog phone in the outbuilding
    Note: there is no IP connectivity on the outbuilding so an analog phone is the only option
- Integrate overhead paging by dialing a single extension using the existing PA system

Cohanzie

- Install SRST Router and setup VLANs
- Deploy nine (9) phones:
  - One (1) outdoor mounted inside the callbox
  - Two (2) wall mounted
  - Six (6) desk phones
    Note: No phone is required in the outbuilding here
- Integrate overhead paging by dialing a single extension using the existing PA system

Oswegatchie

- Install SRST Router and setup VLANs
- Deploy thirteen (13) phones:
  - One (1) outdoor mounted inside the callbox
  - Nine (9) wall mounted
  - Three (3) desk phones
- Integrate overhead paging by dialing a single extension using the existing PA system

Cisco Emergency Responder

- Project Planning Discussion Regarding CER Design
  - DID/ELIN Planning
  - Dial Plan Review
  - ERL Planning
  - Switch Port Association Review
  - Carrier Association Review (PSAP)
- Obtain and load CER software/licensing onto virtual machine(s) for the sixty two (62) new phones
- In Cisco Unified Communications Manager (CUCM), create E911 partition and create necessary CTI ports
- Identify applicable switches and switch-ports in CER
- Create ERL(s) and assign designated ELIN(s)
- Assign ERLs to switch-ports within network
- Configure voice gateways to route correct ELINs to the appropriate PSAP
- Export ALI record information via ALI formatting tool
  - Must be sent to PSAP for inclusion in ALI database
- Test CER, which includes making test calls to PSAP to provide proper functionality of system
- Create documentation for CER deployment

Additional Customer Responsibilities:

General Project Responsibilities

- Provide remote access to ePlus resource as required throughout project.
- Provide on-site access to ePlus resource as required throughout project.
- Provide a single technical point of contact who is familiar with the Customer IT environment and requirements to work with ePlus engineering resource(s) throughout project and act as a liaison to remainder of Customer staff.
- Provide any requested network diagrams/information to ePlus resource within two (2) days of the initial request.
  - Note: If information is not provided, ePlus is not responsible for any delay to the project and project timelines may be adjusted.
- Provide a clean safe working environment for ePlus resource throughout project.
- Ensure sufficient rack space, power, electric, cooling, etc. for new hardware is in place prior to implementation.
  - Note: The Customer is responsible for moving any existing equipment within a rack to make sufficient space for any new hardware. ePlus resources are not responsible for moving any existing equipment during the physical installation of new hardware.
- Provide hardware, software and licensing related to project - whether procured through ePlus, another vendor, or existing hardware.
  - The Customer is responsible for equipment counts. The Customer will take possession of hardware ordered through ePlus at the Customer site prior to ePlus engineering resources arriving onsite for implementation. At the time of taking possession of the hardware, software, and licensing the Customer accepts ownership and therefore must be responsible for providing ePlus resources with appropriate equipment counts.
- Ensure active manufacturer support exists on hardware and software related to this project in the event a technical support case needs to be opened.
  - In the event active manufacturer support is not available, ePlus resource will work on an issue for up to two (2) hours. After that point the Customer is responsible for the resolution of the issue based on ePlus recommendation.
  - ePlus is not responsible for any delay in project timeline due to the lack of manufacturer level support.
- Ensure carrier circuits are in place prior to onsite implementation, including any required DID blocks if needed.
  - Interfaces should be mounted no more than six feet (6') from routing device. Please consult with your engineer as to the appropriate interface(s).
  - Note: ePlus will work with Customer for up to two (2) hours on any carrier related issue. After that point if the issue is not resolved the Customer will be responsible for working with the carrier to remediate the problem.
- Provide location for disposal of packing materials. ePlus will dispose of debris (cardboard, plastic, wood skids, Styrofoam and other miscellaneous packing material, shipping, banding materials) in customer-supplied dumpster.
- Customer is responsible for the removal and disposal of any hardware being replaced as part of this project.
- Customer is responsible for required cabling related to this project.
- Customer will provide patch cables related to project unless otherwise specified in this SOW.
- Customer is responsible for ensuring hardware/software is at the appropriate installation site for ePlus resource if the items have been shipped directly to the Customer – this includes ensuring the hardware/software is located in close proximity to the IDF or MDF into which it will be installed.
  - ePlus resource is not responsible for moving hardware/software.
- Customer is responsible for testing fiber to ensure desired bandwidth can be achieved.
  - Note: this project does not include any mode conditioning cables – The Customer is responsible for obtaining such items based on ePlus recommendation in the event it is determined the existing fiber cannot provide adequate bandwidth.

Unified Communications Project Responsibilities

- Physical deployment of IP Phones unless otherwise stated in this SOW.
- CDP/LLDP configuration of voice VLANs on customer-provided switches that will be used in this project unless otherwise specified in this SOW.
- Identify prior to implementation, third-party products integrated into Exchange or system that may require integration into components included in this project.

- Customer is responsible for configuration changes on hardware or software not listed in this SOW.
- Install end-user application clients after ePlus resource provides remote demonstration.
- Troubleshoot end-user client operating system issues related to UC software installation.
- Make required changes in LDAP server to accommodate for Unity Connection/Exchange integration.
- Make required changes to the Exchange server to accommodate Unity Connection/ Exchange integration.
- Ensure carrier circuits are in place prior to on-site implementation, including required DID blocks if needed:
  - Interfaces should be mounted no more than six feet (6') from routing device. Consult with Customer engineer as to the appropriate interface(s).
  - Note: ePlus will work with Customer for up to two (2) hours on carrier- related issue(s). After that point if the issue is not resolved, the Customer will be responsible for working with the carrier to remediate the problem(s).

Dependencies

Customer shall be responsible for the following:

CER Project Responsibilities

- Provide all hardware, software, licensing, and support required for deployment of CER unless otherwise stated in SOW.
- Ensure that produced CER design complies with local legislative requirements to which the Customer is subject.
- Ensure all cabling is complete prior to CER implementation.
- Provide ePlus resource with any required user or location information needed to complete the configuration of CER.
- Provide ePlus with jack to switch-port mapping information.
  - If the Customer does not have the jack to switch-port mapping information and would like an ePlus resource to gather the information, a change order to the existing SOW will be created to reflect the additional required labor with associated cost.
    - Note: If ePlus is engaged to accomplish the above task, it should be noted that project timelines will be altered.
- Ensure all necessary carrier agreements are in place prior to CER configuration.
- Ensure all agreements, ALI database format and content have been confirmed with the appropriate PSAP.
- Ensure all necessary DIDs have been purchased from carrier prior to CER configuration.
  - A new range of DIDs will need to be purchased through the Customer carrier to support CER.
  - Customer is responsible for ensuring appropriate number of ELINs are associated to an ERL.
- Ensure any phone that will require the ability to place emergency calls be registered in CUCM.
- Provide list of any wireless, soft-phones, analog or third-party SIP phones that need to be manually entered into CER.
  - CER cannot automatically track these devices. Any moves/adds/changes must be manually updated in CER.
- Sign off on ePlus "Cisco Emergency Responder Design" document.
- Send initial ALI information from project deployment (provided by ePlus resource in Excel format) to necessary carrier(s) so ALI database is updated.
- Upon project completion, Customer is responsible for maintaining CER established design outlined in "Cisco Emergency Responder Design" document.
  - ePlus is not responsible for any change made by Customer that adversely effects CER functionality, including the upgrading of CUCM to a version not compatible with the deployed CER version.
    - Note: ERLs are assigned to switch ports based on the jack's physical location. Therefore, if Customer changes the patch cable plugged into a port there is the potential that the device now associated with that port is actually in a different ERL. If Customer does not change the ERL assigned to the port, the incorrect ELIN could be sent to the PSAP.

- Upon completion of project, Customer is responsible for updating CER with any phones or switches that are added, removed, or upgraded. When CER is upgraded, ALI information must be updated and sent to PSAP for ALI database updates.
- Setting up and working with third-parties, if required, to setup and maintain third-party PSAP provider/Database.

Additional Assumptions:

General Project Assumptions

- All calls and meetings will be scheduled at a mutually agreeable time between the Customer and ePlus resource. The calls and meetings will be scheduled through ePlus Project Manager.
- All work will be done 8am to 5pm (Monday through Friday) local time unless otherwise agreed upon between the Customer and ePlus resource.
- No network switching equipment is included in this project.
- It is a prerequisite that network equipment providing connectivity for the telephony equipment be installed and operational at each of the five (5) firehouse locations and that each of the five (5) locations has network connectivity to the Cisco Unified Communications servers located at the High School, the Board of Education building, and the Emergency Operations Center.
- No training is included in this project unless otherwise specified in this SOW.
- Services schedule reflects work effort based on non-contiguous Business Days and does not include a full-time ePlus Engineer for staff augmentation during the project.
- All on-site work will be done at the Customer's locations listed below:
  - Goshen, 63 Goshen Road.
  - Jordan, 89 Rope Ferry Road.
  - Quaker Hill, 17 Old Colchester Road.
  - Cohanzie, 53 Dayton Road.
  - Oswegatchie, 441 Boston Post Road.
- Customer acknowledges that at any time during the project if progress is stalled, by no fault of ePlus, for more than twenty (20) contiguous Business Days ePlus reserves the right to issue a Milestone Completion Certificate for work that has been completed.
- All documents are created using ePlus templates (structure and format) and delivered to Customer in soft copy only. Any customization to deliverable documents (structure, format, and/or other non-standard content) must be handled via a Change Request (CR) unless explicitly stated within this SOW.
- ePlus Deliverable Documents include up to two (2) revisions, per document, based on Customer feedback. Any and all subsequent revisions will require a Change Request (CR) or separate SOW.

Unified Communications Project Assumptions

- This project is only inclusive of installation of the UC applications listed in this SOW.
- This project assumes each user has only one (1) device associated to their user profile.
  - Note: Cisco has changed its licensing enforcement in version 9.0 and above. The Customer will need to ensure the "User ID field" in every device is completed prior to upgrading. If during the upgrade process it is uncovered that the Customer requires additional or upgraded licensing to continue existing functionality, the Customer will be responsible for purchasing licensing based on ePlus' recommendation.
- This project does not include the installation of video infrastructure such as Cisco VCS or MCU.
- This project does not include any Attendant Console functionality. It is the Customer's responsibility to inform ePlus that Attendant Console is currently in use.
- Single Number Reach (SNR) is not included in this project.
  - Note: When setting up Music on Hold (MoH), ePlus will only install .wav files where the Customer owns the music and the music is royalty-free.
- ePlus will remotely demonstrate to Customer how to re-install one (1) end-user client onto end-user devices, and the Customer will be responsible for the remainder.
- Regarding Automated Attendant configurations, ePlus will configure one (1) primary menu and one (1) sub menu. Also ePlus will only deploy Automated Attendant with the North American English option unless otherwise requested.

- This deployment includes only a single language. If additional languages are needed it will be done as a CR to the project at additional cost, unless already specified in this SOW.
- If additional sub-menus are required, it will be done as a CR to the project at an additional cost, unless already specified in this SOW.

- Automated Attendant call trees, greetings, recorded voices, holiday schedules, are the responsibility of the Customer unless stated in this SOW.

CER Design Assumptions

- Emergency number will be 911.
- It is recommendation of ePlus that CER be deployed in a redundant active/standby configuration.
  - All CER servers in a cluster must be running the same version.
- Cisco Unified Communications Manager (CUCM) is currently installed and operational in the Customer environment.
  - Current version of CUCM must be compatible with version of CER being installed.
  - Dial plan across CUCM clusters must be unique if sharing same CER cluster.
- Cisco IP phones will be utilized by the Customer.
- The network is comprised of a Cisco switching infrastructure capable of supporting the current CER release.
  - Assumption is that CER can establish SNMP sessions to underlying network infrastructure and can scan network ports for the discovery of connected phones.
- All Customer sites will have a router/ gateway capable of directing emergency calls to local PSTN to ensure the appropriate PSAP is contacted.
- At least one (1) unique DID is required per ERL.
  - A gateway with a PRI or CAMA link is required for CER deployment.
- Any client device located outside the enterprise (ie: utilizing VPN) cannot have its location established by CER and therefore accurate E911 services cannot be guaranteed.
- CER servers can be located in geographically separate sites connecting over the WAN.
  - Recommended round-trip time is 40ms or less.
  - Minimum bandwidth is 1.544 Mbps.
- CER caches the ELIN-to-extension mapping for up to three (3) hours.
- If emergency calls are forwarded to 911 by computer telephony integration (CTI) applications, such as Cisco Unity Connection, then the location used for call routing and PSAP reporting is the location of the application server, not the location of the original caller.
- If phones registered with CUCM are configured with EnergyWise Power Save Plus mode, then all the CER Server Groups in a Cluster need to be CER 8.6 or later because earlier versions of CER do not support EnergyWise.
- If the third-party PSAP is unavailable at time of Go Live ePlus will verify CER functionality as follows:
  - Dial 911 from a selected IP Phone.
  - Verify the appropriate emergency DID is displayed in a gateway debug.
  - Call back the emergency DID to verify emergency personnel will be able to dial back into the CER.
  - Move the selected phone to a new location and repeat the above test.

Deliverables: ePlus will provide Services only, and no Deliverables will be provided except as follows:

- Visio Diagram of newly installed equipmentfor the five (5) locations
- Documentation for CER deployment
- ePlus "Cisco Emergency Responder Design" document

C. Period of Performance; Place of Performance

The estimated project timeline for the planning and execution of Services is beginning within thirty (30) days from the Effective Date for a duration of not more than 6 Months. The actual Project start date will depend on following:

1.) Scheduled availability of a qualified systems engineer
2.) Receipt of equipment when applicable
3.) Receipt of signed SOW from Customer prior to proposed start date
4.) Receipt of Purchase Order from Customer

The Project All work associated with the Project is to be performed Mondays through Fridays, between the hours of 8am and 5pm local time, excluding ePlus holidays. The work will be performed at the Customer's offices in 15 Rope Ferry Road, Waterford, CT 06385 and at the sites listed below:

- Goshen, 63 Goshen Road
- Jordan, 89 Rope Ferry Road
- Quaker Hill, 17 Old Colchester Road
- Cohanzie, 53 Dayton Road
- Oswegatchie, 441 Boston Post Road

D. Project Cost and Payment Terms

For the Services performed under this SOW, the Customer agrees to pay ePlus a fixed project fee of $65,403.00. Such fees include reasonable travel and incidental expenses. Customer shall issue a Purchase Order adequate to cover the Fee prior to commencement of Services. Fees for such additional services related to but not defined in this SOW will be performed on a time and materials basis at a rate set forth in a written amendment, as mutually executed by the Customer and ePlus. Payment is due net 45 days as per contract.

A. If Milestone billing applies, the Milestones are as follows:

Milestone:	Description:	Amount Due:
1	SOW Acceptance and Signature	$13,080.60
2	Completion of Cohanzie Location	$8,502.00
3	Completion of Goshen Location	$8,502.00
4	Completion of Jordan Location	$8,502.00
5	Completion of Oswegatchie Location	$8,502.00
6	Completion of Quaker Hill Location	$8,502.00
7	Completion of CER	$8,502.00
8	Project Completion	$3,273.00

Payment is due upon receipt of invoice. Customer acknowledges that ePlus may participate in and retain the benefit of incentive plans or other programs with, among others, its travel providers wherein ePlus may receive benefits, such as frequent flier miles or other consideration for corporate travel volume. All fees, expenses and other charges for the Services do not include any sales, use, excise, value added, or other applicable taxes, tariffs or duties. Payment that may be due on such amounts, and shall be the sole responsibility of Customer (excluding any applicable taxes based on ePlus' net income or taxes arising from the employment or independent contractor relationship between ePlus and its personnel).

E. SOW Acceptance

This SOW # Town of Waterford-Fire House Voice Projet-MA-51717 is acceptable. I (We) hereby acknowledge and confirm that I (We) have read this SOW and accept and approve the scope of work and related terms. I (We) understand that should additional work be required that by its nature could not have been known or determined at the time this SOW was executed, a written change order describing the additional work and any related expenses will be required.

This SOW # Town of Waterford-Fire House Voice Projet-MA-51717 must be signed and returned before the Project can begin. Please sign and FAX to Steve Plante at splante@eplus.com.

ePlus Technology, inc.		Town of Waterford	
Authorized Signature		Authorized Signature	
Printed Name		Printed Name	
Title		Title	
Date		Date	
		Purchase Order #	

PLEASE ATTACH HARD COPY OF **PURCHASE ORDER** TO THIS AGREEMENT
REFERENCING SOW# Town of Waterford-Fire House Voice Projet-MA-51717

F. Project Completed and Accepted

The Project has been completed in accordance with this SOW# Town of Waterford-Fire House Voice Projet-MA-51717. I (We) hereby accept as completed all work indicated in this SOW. I (We) acknowledge at there is nothing that should prevent prompt payment in accordance with the terms indicated above.

		Town of Waterford	
Completion Acceptance Date		Authorized Signature	
		Printed Name	
		Title	

PLEASE ATTACH HARD COPY OF **PURCHASE ORDER** TO THIS AGREEMENT
REFERENCING SOW# Town of Waterford-Fire House Voice Projet-MA-51717

Quote Name: CT-CISCO-12PSX0431

ePlus

Quotation

Bill To	Ship To
TOWN OF WATERFORD 15 ROPE FERRY ROAD WATERFORD CT 06385 ATTN: ACCOUNTS PAYABLE	TOWN OF WATERFORD 15 ROPE FERRY ROAD WATERFORD CT 06385

Quotation #:	21985874
Order #:	
Quotation Date:	12/29/2016
Expiration Date:	01/27/2017
Client Reference:	
Account Rep:	Steve Plante

Line No.	Quantity	Part Number	MFG	Description	Unit Price	Ext Price
001	1	R-UCL-UCM-LIC-K9	CISCO	TOP LEVEL SKU FOR 9.X/10.X USER LICENSE - EDELIVERY	$0.00	$0.00
002	1	CON-ECMU-RUCLUCK9	CISCO	SWSS UPGRADES TOP LEVEL SKU FOR 9.	$0.00	$0.00
003	62	LIC-CUCM-10X-ENH-A	CISCO	UC MANAGER-10.X ENHANCED SINGLE USER LICENSE	$112.35	$6,965.70
004	62	CON-ECMU-LIC0ENHA	CISCO	SWSS UPGRADES UC MANAGER-10.X ENHANCED SINGLE USER-UND	$22.94	$1,422.28
005	1	CUCM-VERS-10.X	CISCO	CUCM SOFTWARE VERSION 10.X	$0.00	$0.00
006	62	LIC-CUCM-10X-ENH	CISCO	UC MANAGER ENHANCED 10.X LICENSE	$0.00	$0.00
007	1	UCM-PAK	CISCO	UCM 9X/10X/11X PAK	$0.00	$0.00
008	1	PC-10X-STANDARD-K9	CISCO	PRIME COLLABORATION STANDARD 10.X	$0.00	$0.00
009	1	R-UNITYCN10-K9	CISCO	UNITY CONNECTION 10.X SOFTWARE	$0.00	$0.00
010	1	CON-ECMU-RUNITCN1	CISCO	SWSS UPGRADES UNITY CONNECTION 10.X SOFTWARE	$0.00	$0.00
011	50	UNITYCN10-STD-USR	CISCO	ONE UNITY CONNECTION 10.X VOICE MESSAGING USER	$40.13	$2,006.50
012	50	CON-ECMU-UNITCN0S	CISCO	SWSS UPGRADES ONE UNITY CONNECTION 10.X VOICE MESSAGIN	$10.43	$521.50
013	2	UCXN-10X-SC-PORTS	CISCO	UNITY CONNECTION 10.X SPEECHCONNECT PORTS	$0.00	$0.00
014	1	LIC-SPCHVIEW-DEMO	CISCO	SPEECHVIEW UNITY CONNECTION DEMO FOR 50 USERS FOR 6 MONTHS	$0.00	$0.00
015	1	UNITYCN10-PAK	CISCO	UNITY CONNECTION 10.X PAK	$0.00	$0.00
016	1	R-EMRGNCY-RSPNDR	CISCO	EMERGENCY RESPONDER ELECTRONIC SOFTWARE DELIVERY	$0.00	$0.00

017	1	CON-ECMU-EMRGNCY	CISCO	SWSS UPGRADES EMRGNCY RSPNDR	$0.00	$0.00
018	1	ER-NEW-OR-ADDON	CISCO	NOT AN UPGRADE	$0.00	$0.00
019	62	ER10-USR-1	CISCO	EMRGNCY RSPNDR USR LIC 1 PHN FOR NEW 10X SYSTEM	$10.70	$663.40
020	62	CON-ECMU-ER10USR1	CISCO	SWSS UPGRADES EMRGNCY RSPNDR USR LIC 1 PHN FOR NEW 10X	$1.39	$86.18
021	1	ER10-SW-K9	CISCO	EMRGNCY RSPNDR 10 SW NEW	$0.00	$0.00
022	1	ER10-PAK	CISCO	EMRGNCY RSPNDR 10.X PAK	$0.00	$0.00
023	62	CP-7841-K9=	CISCO	CISCO UC PHONE 7841	$195.28	$12,107.36
024	32	CP-7800-WMK=	CISCO	SPARE WALLMOUNT KIT FOR CISCO UC PHONE 7800 SERIES	$40.13	$1,284.16
025	5	C1-CISCO4321/K9	CISCO	CISCO ONE ISR 4321 (2GE,2NIM,4G FLASH,4G DRAM,IPB)	$1,067.33	$5,336.65
026	5	CON-SSSNT-C14O21K9	CISCO	SOLN SUPP 8X5XNBD CISCO ONE ISR 4321 (	$155.68	$778.40
027	5	SL-4320-IPB-K9	CISCO	IP BASE LICENSE FOR CISCO ISR 4320 SERIES	$0.00	$0.00
028	5	PWR-4320-AC	CISCO	AC POWER SUPPLY FOR CISCO ISR 4320	$0.00	$0.00
029	5	CAB-AC-C5	CISCO	AC POWER CORD, TYPE C5, US, CANADA	$0.00	$0.00
030	5	MEM-4320-4G	CISCO	4G DRAM FOR CISCO ISR 4320 (SOLDERED ON MOTHERBOARD)	$0.00	$0.00
031	5	MEM-FLSH-4G	CISCO	4G FLASH MEMORY FOR CISCO ISR 4300 (SOLDERED ON MOTHERBOARD)	$0.00	$0.00
032	5	C1AUPISR4320SK9	CISCO	CISCO ONE ADVANCED UC PERPETUAL LICENSE ISR 4321	$588.50	$2,942.50
033	5	CON-ECMUS-C1A4320S	CISCO	SOLN SUPP SWSS CISCO ONE ADV APP SVCS PERPETUAL ISR4320	$143.17	$715.85
034	5	SL-4320-UC-K9	CISCO	UNIFIED COMMUNICATION LICENSE FOR CISCO ISR 4320 SERIES	$0.00	$0.00
035	5	FL-CME-SRST-25	CISCO	SRST-25 SEAT LICENSE (CME USES CUCME PHONE LICENSE ONLY)	$0.00	$0.00
036	10	FL-CUBEE-5	CISCO	UNIFIED BORDER ELEMENT ENTERPRISE LICENSE - 5 SESSIONS	$0.00	$0.00
037	5	SISR4300UK9-316S	CISCO	CISCO ISR 4300 SERIES IOS XE UNIVERSAL	$0.00	$0.00
038	5	NIM-4FXO	CISCO	4-PORT NETWORK INTERFACE MODULE - FXO (UNIVERSAL)	$535.00	$2,675.00
039	5	NIM-4FXS	CISCO	4-PORT NETWORK INTERFACE MODULE - FXS, FXS-E AND DID	$535.00	$2,675.00
040	13	CP-PWR-INJ=	CISCO	IP PHONE POWER INJECTOR FOR 7900 SERIES PHONES	$66.88	$869.44
041	2	AT&T 210M	AT&T	CORDED TRIMLINE PHONE WITH LIGHTED KEYPAD, BLACK	$16.13	$32.26
042	1	EPLUS SOW	EPLUS	TOWN OF WATERFORD-FIRE HOUSE VOICE PROJET-MA-51717	$65,403.00	$65,403.00

Line Note:
Executive Summary
The Customer has engaged ePlus to deploy Cisco IP telephones to operate with the existing Cisco IP based telephony system operated by Waterford Public Schools at the five fire stations. This will include Cisco Emergency Responder (CER) to provide Advanced E911 services. E911 service alone can trace the location of an emergency call only to the building address from which the call originated. CER services can trace the location of an emergency call to the specific phone and/or location within the building, from which the emergency call was placed.

Relevant CER Terms
- PSAP: Public Safety Answering Point
o Party responsible for answering the 911 call and arranging the appropriate emergency response
- ANI: Automatic Number Identification
- LEC: Local Exchange Carrier
- ALI: Automatic Location Identifier
- ERL: Emergency Response Location
- ELIN: Emergency Location Identification Number
- DID: Direct Inward Dial
- SRST: Survivable Remote Site Telephony

The five firehouse locations are:
Goshen, 63 Goshen Road
Jordan, 89 Rope Ferry Road
Quaker Hill, 17 Old Colchester Road
Cohanzie, 53 Dayton Road
Oswegatchie, 441 Boston Post Road

Detailed Description of Services
Fire Department Phones at five locations
- Conduct project kickoff meeting with customer to review/confirm the requirements of the project.
- Add User Connect (UCL) licenses to the Cisco Call Manager servers at the school department
- Conduct a Design/Planning session with the customer
- Configure sixty two (62) new phones
- Install 50 Unity licenses and configure the voice mailboxes
- Up to two (2) hours of remote Day 1 support for each of the five locations
- Provide as built documentation for the five locations

New Copper cabling at five locations:
- Install Mohawk plenum, rated CAT 6 Advance Net cabling the new copper cabling.
- Terminate the new cables in the existing MDF / IDF racks.
- Field end drops to terminate in a faceplate or a wall mounted face plate where needed.
- All new copper cabling will be supported above drop ceilings areas using the existing cable supports with new Caddy Cable cat base components and or equal @ 4-6' intervals as required per BICSI standards where possible. ePlus is not providing any race way or conduit runs but will be happy to do so at an additional cost.
- Provide and install computer generated P-Touch style labels on patch panels, faceplates, and jack boxes.
- All data terminations, will be certified using FLUKE DSP 4300 cable analyzer or equal and the "Basic Link" testing will be performed.
- Electronic test reports to be provided after project completion in PDF format.
- ePlus will provide and install NEMA rated Call boxes where indicated.
- This proposal assumes that there will be adequate penetrations between fire rated walls and between floors. ePlus will be happy to provide them at an additional cost.
- Town Electrical Permits are excluded

Locations and specifics are as follows:

Goshen
- Install SRST Router and setup vlans
- Deploy twelve 12 phones:

o One (1) outdoor mounted inside the callbox
o Four (4) wall mounted
o Six (6) desk phones
o One (1) Wall mounted analog phone in the outbuilding
Note: there is no IP connectivity on the outbuilding so an analog phone is the only option.
- Integrate overhead paging

Jordan
- Install SRST Router and setup vlans
- Deploy 10 phones:
o One (1) outdoor mounted inside the callbox
o Five (5) wall mounted – (2 in the bays, 3 upstairs)
o Four (4) desk phones - (2 downstairs, 2 upstairs)
- Install Cabling for the SRST Router from the Phone closet to Network cabinet in the lounge
- Integrate overhead paging

Quaker Hill
- Install SRST Router and setup vlans
- Deploy 13 phones:
o One (1) outdoor mounted inside the callbox
o Seven (7) wall mounted
o Four (4) desk phones
o One (1) Wall mounted analog phone in the outbuilding
Note: there is no IP connectivity on the outbuilding so an analog phone is the only option.
- Integrate overhead paging

Cohanzie
- Install SRST Router and setup vlans
- Deploy 9 phones:
o One (1) outdoor mounted inside the callbox
o Two (2) wall mounted
o Six (6) desk phones
Note: No phone is required in the outbuilding here
- Integrate overhead paging

Oswegatchie
- Install SRST Router and setup vlans
- Deploy 13 phones:
o 1 One (1) outdoor mounted inside the callbox
o Nine (9) wall mounted
o Three (3) desk phones
- Integrate overhead paging

Cisco Emergency Responder

- Project Planning Discussion Regarding CER Design
o DID/ELIN Planning
o Dial Plan Review
o ERL Planning
o Switch Port Association Review
o Carrier Association Review (PSAP)
- Obtain and load CER software/licensing onto virtual machine(s) for the sixty two (62) new phones
- In Cisco Unified Communications Manager (CUCM), create E911 partition and create necessary CTI ports
- Identify applicable switches and switch-ports in CER
- Create ERL(s) and assign designated ELIN(s)
- Assign ERLs to switch-ports within network
- Configure voice gateways to route correct ELINs to the appropriate PSAP
- Export all ALI record information via ALI formatting tool
o Must be sent to PSAP for inclusion in ALI database
- Test CER, which includes making test calls to PSAP to ensure proper functionality of system

- Create documentation for CER deployment

Assumptions

General Project Assumptions

- No network switching equipment is included in this project.
- It is a prerequisite that network equipment providing connectivity for the telephony equipment be installed and operational at each of the five firehouse locations and that each of the five locations has network connectivity to the Cisco Unified Communications servers located at the High School, the Board of Education building, and the Emergency Operations Center.
- Calls and meetings will be scheduled at a mutually agreeable time between the Customer and ePlus resource. The calls and meetings will be scheduled through ePlus' Project Manager.
- No training is included in this project unless otherwise specified in this SOW.
- Services schedule reflects work effort based on non-contiguous Business Days and does not include a full-time ePlus Engineer for staff augmentation during the project.

Unified Communications Project Assumptions

- This project is only inclusive of installation of the UC applications listed in this SOW
- This project assumes each user has only one (1) device associated to their user profile
  - o Note: Cisco has changed its licensing enforcement in version 9.0 and above. The Customer will need to ensure the "User ID field" in every device is completed prior to upgrading. If during the upgrade process it is uncovered that the Customer requires additional or upgraded licensing to continue existing functionality, the Customer will be responsible for purchasing licensing based on ePlus' recommendation.
- This project does not include the installation of video infrastructure such as Cisco VCS or MCU.
- This project does not include any Attendant Console functionality. It is the Customer's responsibility to inform ePlus that Attendant Console is currently in use.
- Single Number Reach (SNR) is not included in this project.
  - o Note: When setting up Music on Hold (MoH), ePlus will only install .wav files where the Customer owns the music and the music is royalty-free.
- ePlus will remotely demonstrate to Customer how to re-install one (1) end-user client onto end-user devices, and the Customer will be responsible for the remainder.
- Regarding Automated Attendant configurations, ePlus will configure one (1) primary menu and one (1) sub menu. Also ePlus will only deploy Automated Attendant with the North American English option unless otherwise requested.
  - o This deployment includes only a single language. If additional languages are needed it will be done as a CR to the project at additional cost, unless already specified in this SOW.
  - o If additional sub-menus are required, it will be done as a CR to the project at an additional cost, unless already specified in this SOW.
- Automated Attendant call trees, greetings, recorded voices, holiday schedules, are the responsibility of the Customer unless stated in this SOW.

CER Design Assumptions

- Emergency number will be 911
- It is recommendation of ePlus that CER be deployed in a redundant active/standby configuration
  - o All CER servers in a cluster must be running the same version
- Cisco Unified Communications Manager (CUCM) is currently installed and operational in the customer environment
  - o Current version of CUCM must be compatible with version of CER being installed
  - o Dial plan across CUCM clusters must be unique if sharing same CER cluster
- Cisco IP phones will be utilized by the customer
- The network is comprised of a Cisco switching infrastructure capable of supporting the current CER release
  - o Assumption is that CER can establish SNMP sessions to underlying network infrastructure and can scan network ports for the discovery of connected phones
- All customer sites will have a router/ gateway capable of directing emergency calls to local PSTN to ensure the appropriate PSAP is contacted
- At least one (1) unique DID is required per ERL
  - o A gateway with a PRI or CAMA link is required for CER deployment
- Any client device located outside the enterprise (ie: utilizing VPN) cannot have its location established by CER and therefore accurate E911 services cannot be guaranteed
- CER servers can be located in geographically separate sites connecting over the WAN
  - o Recommended round-trip time is 40ms or less

o Minimum bandwidth is 1.544 Mbps
• CER caches the ELIN-to-extension mapping for up to three (3) hours
• If emergency calls are forwarded to 911 by computer telephony integration (CTI) applications, such as Cisco Unity Connection, then the location used for call routing and PSAP reporting is the location of the application server, not the location of the original caller
• If phones registered with CUCM are configured with EnergyWise Power Save Plus mode, then all the CER Server Groups in a Cluster need to be CER 8.6 or later because earlier versions of CER do not support EnergyWise.
• If the 3rd party PSAP is unavailable at time of Go Live ePlus will verify CER functionality as follows:
o Dial 911 from a selected IP Phone
o Verify the appropriate emergency DID is displayed in a gateway debug
o Call back the emergency DID to verify emergency personnel will be able to dial back into the CER
o Move the selected phone to a new location and repeat the above test

Customer Responsibilities
General Project Responsibilities
• Provide remote access to ePlus resource as required throughout project
• Provide on-site access to ePlus resource as required throughout project
• Provide a clean safe working environment for ePlus resource throughout project
• Provide all hardware, software and licensing related to project - whether procured through ePlus, or another vendor,
o The Customer is responsible for equipment counts. The Customer will take possession of hardware ordered through ePlus at the Customer site prior to ePlus engineering resources arriving onsite for implementation. At the time of taking possession of the hardware, software, and licensing the Customer accepts ownership and therefore must be responsible for providing ePlus resources with appropriate equipment counts.
• Ensure active manufacturer support exists on hardware and software related to this project in the event a technical support case needs to be opened
o In the event active manufacturer support is not available, ePlus' resource will work on an issue for up to two (2) hours. After that point the Customer is responsible for the resolution of the issue based on ePlus' recommendation
o ePlus is not responsible for delays in project timeline due to the lack of manufacturer-level support
• Customer is responsible for required cabling related to this project.
• Customer is responsible for ensuring hardware/software is at the appropriate installation site for ePlus resource if the items have been shipped directly to the Customer – this includes ensuring the hardware/software is located in close proximity to the IDF or MDF into which it will be installed.
o ePlus resource is not responsible for moving hardware/software
• Customer is responsible for testing fiber to ensure desired bandwidth can be achieved
o Note: This project does not include mode conditioning cables – The Customer is responsible for obtaining such items based on ePlus recommendation in the event it is determined the existing fiber cannot provide adequate bandwidth.

Unified Communications Project Responsibilities
• Physical deployment of IP Phones unless otherwise stated in this SOW.
• CDP/LLDP configuration of voice VLANs on customer-provided switches that will be used in this project unless otherwise specified in this SOW.
• Identify prior to implementation, third-party products integrated into Exchange or system that may require integration into components included in this project
• Customer is responsible for configuration changes on hardware or software not listed in this SOW.
• Install end-user application clients after ePlus resource provides remote demonstration
• Troubleshoot end-user client operating system issues related to UC software installation
• Make required changes in LDAP server to accommodate for Unity Connection/Exchange integration
• Make required changes to the Exchange server to accommodate Unity Connection/ Exchange integration
• Ensure carrier circuits are in place prior to on-site implementation, including required DID blocks if needed:
o Interfaces should be mounted no more than six feet (6') from routing device. Please

				consult with your engineer as to the appropriate interface(s). o Note: ePlus will work with Customer for up to two (2) hours on carrier- related issue(s). After that point if the issue is not resolved, the Customer will be responsible for working with the carrier to remediate the problem(s). CER Project Responsibilities o Provide all hardware, software, licensing, and support required for deployment of CER unless otherwise stated in statement of work o Ensure that produced CER design complies with local legislative requirements to which the customer is subject o Ensure all cabling is complete prior to CER implementation o Provide ePlus resource with any required user or location information needed to complete the configuration of CER o Provide ePlus with jack to switch-port mapping information ? If the Customer does not have the jack to switch-port mapping information and would like an ePlus resource to gather the information, a change order to the existing Statement of Work will be created to reflect the additional required labor with associated cost - Note: If ePlus is engaged to accomplish the above task, it should be noted that project timelines will be altered. o Ensure all necessary carrier agreements are in place prior to CER configuration o Ensure all agreements, ALI database format and content have been confirmed with the appropriate PSAP o Ensure all necessary DIDs have been purchased from carrier prior to CER configuration ? A new range of DIDs will need to be purchased through the customer carrier to support CER ? Customer is responsible for ensuring appropriate number of ELINs are associated to an ERL o Ensure any phone that will require the ability to place emergency calls be registered in CUCM o Provide list of any wireless, soft-phones, analog or 3rd party SIP phones that need to be manually entered into CER ? CER cannot automatically track these devices. Any moves/adds/changes must be manually updated in CER o Sign off on ePlus "Cisco Emergency Responder Design" document o Send initial ALI information from project deployment (provided by ePlus resource in Excel format) to necessary carrier(s) so ALI database is updated o Upon project completion, customer is responsible for maintaining CER established design outlined in "Cisco Emergency Responder Design" document ? ePlus is not responsible for any change made by customer that adversely effects CER functionality, including the upgrading of CUCM to a version not compatible with the deployed CER version - Note: ERLs are assigned to switch ports based on the jack's physical location. Therefore, if you change the patch cable plugged into a port there is the potential that the device now associated with that port is actually in a different ERL. If you do not change the ERL assigned to the port, the incorrect ELIN could be sent to the PSAP. o Upon completion of project, customer is responsible for updating CER with any phones or switches that are added, removed, or upgraded. When CER is upgraded, ALI information must be updated and sent to PSAP for ALI database updates o Setting up and working with 3rd parties, if required, to setup and maintain 3rd party PSAP provider/Database		

By placing an order with ePlus for products or services you agree to comply with the Terms and Conditions for Purchasing Products and Services located at http://www.eplus.com/terms-and-conditions/Pages/Products-Services-Terms-and-Conditions.aspx (the "Order Terms"). Unless there is a separate written agreement signed on behalf of both you and ePlus by a duly authorized officer, the Order Terms shall be the only terms and conditions applicable to transactions between you and ePlus, and no additional or contrary terms referenced in a purchase order, document, or electronic communication shall apply. In no event shall ePlus performance under a purchase order be deemed to constitute acceptance of any terms and conditions set forth therein.

ePlus offers flexible and easy leasing options for your IT equipment. Use leasing to increase your IT acquisition capability, overcome limited budgets, and manage the lifecycle of your assets. Contact an ePlus Leasing Coordinator at 1-703-984-8021 or leasing@eplus.com to receive a lease quote today.

Thank you for your inquiry. Please note the following about this quotation: It will expire on the date stated above. Unless freight amount is indicated, or is zero, freight will be added to the invoice. Unless Bill-To company is exempt from Sales Tax, it will be added to the invoice. Extended Warranties and Professional Services are available.

Customer Acceptance

Signature: _____ Date: _____

Name: _____ PO #: _____

Title: _____ Ship Via: _____

This quotation is confidential for your internal use only.

This is a solicitation for an offer and is subject to credit approval. No contract is formed unless a purchase order or other offer is received and accepted by our office. If you accept this quotation with the intent to have your chosen leasing company to pay the costs directly, please note that if the Lessor does not pay ePlus for any reason, you will be responsible for payment to ePlus.

To Place An Order , Please Contact:

ePlus Technology, inc.
Sales: Ed Howard
Phone: 603-263-3512
Fax: 603-263-3590
Email: ehoward@eplus.com
Address: 2 Commerce Drive - Bedford, NH 03110
Note: THANK YOU FOR YOUR BUSINESS!

Sub Total:	**$ 106,485.18**
Est. Tax:	**TBD If Applicable**
Shp&Hnd:	**$ 0.00**
Total:	**$ 106,485.18**

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Fire Services	**CONTACT PERSON** Bruce Miller, Director of Fire Services
PROJECT NAME Fire Departments - Hydraulic Equipment Upgrade	**DEPARTMENT PRIORITY** Moderate

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

This appropriation will be utilized to replace the hydraulic rescue equipment being used throughout town. The new equipment will be of today's standards to handle the new vehicle construction types.

2 PROJECT STATUS IF IN PROGRESS

None

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

None

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

Will reduce the high maintenance cost of testing and maintaing the current equipment.

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)

None

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

Awaiting updated pricing from the vendor.

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR	0	100,000	100,000			
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**	**100,000**	**100,000**	**0**	**0**	**0**

SHIPMAN'S
FIRE EQUIPMENT CO., INC.
172 CROSS ROAD, WATERFORD, CT 06385
(860) 442-0678 • 1-800-775-7332
FAX (860) 444-7395
WWW.SHIPMANS.COM

CT DMV LICENSE # U8329

Quote No	Quote Date	Page
21042	11/29/2017	1

Purchase Order No

Bill To

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Ship to

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Customer No	Payment terms	Slspsn
W23007	Net 30	106

Loc	PPD/COL	Ship via	Ship Date
CT		OUR TRUCK	11/29/2017

Slspsn
Brian Baker
Phone: 860-625-1434
email: bbaker@shipmans.com

Qty Ordered	UOM	Item No	Unit price	Disc	Extended price
		**********JORDAN FD**********			
1.00	EA	*EQUIP MISC Holmatro 158.012.145 CU 5060 CUTTER CORE 5KC	6,999.00		6,999.00
1.00	EA	*EQUIP MISC Holmatro 158.012.162 CU 5050 CUTTER CORE 5KC	6,529.00		6,529.00
1.00	EA	158.012.166 Holmatro SP5250 Spreader 5KC	7,916.00		7,916.00
1.00	EA	*EQUIP MISC Holmatro 158.032.034 TR 5350 TELESCOPIC RAM	5,344.00		5,344.00
1.00	EA	158.152.178 Holmatro SR20PC2 Gas Powered Pump CORE Technology	8,460.00		8,460.00
		**********QUAKER HILL FD**********			
1.00	EA	*EQUIP MISC Holmatro 158.012.145 CU 5060 CUTTER CORE 5KC	6,999.00		6,999.00
1.00	EA	*EQUIP MISC Holmatro 158.012.162 CU 5050 CUTTER CORE 5KC	6,529.00		6,529.00
1.00	EA	*EQUIP MISC Holmatro 158.012.169 SMC 5006 SPECIAL MATERIAL CUTTER 5KC	4,355.00		4,355.00
1.00	EA	158.012.166 Holmatro SP5250 Spreader 5KC	7,916.00		7,916.00
1.00	EA	*EQUIP MISC Holmatro 158.032.034 TR 5350 TELESCOPIC RAM	5,344.00		5,344.00
1.00	EA	158.032.035 Holmatro TR5370 Telescopic Ram No Laser, Core	5,670.00		5,670.00
1.00	EA	158.152.178 Holmatro SR20PC2 Gas Powered Pump CORE Technology	8,460.00		8,460.00

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CT DMV LICENSE # U8329

Quote No	Quote Date	Page
21042	11/29/2017	2

Purchase Order No

Bill To

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Ship to

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Customer No	Payment terms	Slspsn
W23007	Net 30	106

Loc	PPD/COL	Ship via	Ship Date
CT		OUR TRUCK	11/29/2017

Slspsn
Brian Baker
Phone: 860-625-1434
email: bbaker@shipmans.com

Qty Ordered	UOM	Item No	Unit price	Disc	Extended price
		**********GOSHEN FD**********			
1.00	EA	*EQUIP MISC Holmatro 158.012.162 CU 5050 CUTTER CORE 5KC	6,529.00		6,529.00
1.00	EA	158.012.171 Holmatro 5160 Core Combi-Tool	8,504.00		8,504.00
1.00	EA	158.152.178 Holmatro SR20PC2 Gas Powered Pump CORE Technology	8,460.00		8,460.00
		**********OSWEGATCHIE FD**********			
1.00	EA	*EQUIP MISC Holmatro 158.012.162 CU 5050 CUTTER CORE 5KC	6,529.00		6,529.00
1.00	EA	158.012.166 Holmatro SP5250 Spreader 5KC	7,916.00		7,916.00
1.00	EA	158.032.035 Holmatro TR5370 Telescopic Ram No Laser, Core	5,670.00		5,670.00
1.00	EA	158.012.171 Holmatro 5160 Core Combi-Tool	8,504.00		8,504.00
1.00	EA	158.152.178 Holmatro SR20PC2 Gas Powered Pump CORE Technology	8,460.00		8,460.00
		**********COHANZIE FD**********			
3.00	EA	*EQUIP MISC Holmatro 158.012.145 CU 5060 CUTTER CORE 5KC	6,999.00		20,997.00
1.00	EA	158.012.166 Holmatro SP5250 Spreader 5KC	7,916.00		7,916.00
1.00	EA	158.012.167 Holmatro SP 5260 Spreader 5KC Core	8,253.00		8,253.00
2.00	EA	*EQUIP MISC Holmatro 158.032.033 TR 5340 TELESCOPIC RAM	4,332.00		8,664.00

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FAX (860) 444-7395
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CT DMV LICENSE # U8329

Quote No	Quote Date	Page
21042	11/29/2017	3

Purchase Order No

Bill To

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Ship to

Waterford Fire Marshal
204 Boston Post Road
Waterford, CT 06385
US

Customer No	Payment terms	Slspsn
W23007	Net 30	106

Loc	PPD/COL	Ship via	Ship Date
CT		OUR TRUCK	11/29/2017

Slspsn
Brian Baker
Phone: 860-625-1434
email: bbaker@shipmans.com

Qty Ordered	UOM	Item No	Unit price	Disc	Extended price
1.00	EA	*EQUIP MISC Holmatro 158.032.034 TR 5350 TELESCOPIC RAM	5,344.00		5,344.00
1.00	EA	158.032.035 Holmatro TR5370 Telescopic Ram No Laser, Core	5,670.00		5,670.00
1.00	EA	158.012.171 Holmatro 5160 Core Combi-Tool	8,504.00		8,504.00
1.00	EA	158.152.178 Holmatro SR20PC2 Gas Powered Pump CORE Technology	8,460.00		8,460.00
1.00	EA	158.152.186 HOLMATRO SR40HC2, Core Duo Pump, 230V 60hz ********** PRICING ON THE ABOVE ITEMS VALID UNTIL 12/31/17.	9,452.00		9,452.00

TERMS AND CONDITIONS:
TERMS: NET 30 DAYS.
QUOTE VALID FOR 30 DAYS.
WE RESERVE THE RIGHT TO CORRECT CLERICAL ERRORS AT ANY TIME
THE QUOTE TOTAL MAY NOT REFLECT MISCELLANEOUS CHARGES, FREIGHT OR SALES TAX

Quote Total
224,353.00

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Fire Services	**CONTACT PERSON** Mark Schenking, Fire Chief
PROJECT NAME Oswegatchie FD - Building Renovation/Replacement	**DEPARTMENT PRIORITY** High

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

This request is to obtain funding to begin repairs on the fire station building. The building has been partially condemned by the Building official and since that time, the Town has hired a contractor to apply stabilization bracing throughout the structure. The building has a poor roof design and is in danger of failing with any heavy loading or sustained driving winds. A town building committee has been established and has only made a design phase funding request at this time.

2 PROJECT STATUS IF IN PROGRESS

The Fire Company has an active building committee that has been established by the RTM and is current working on design specifications to put this project out to bid.

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

None

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

None at the current time.

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)

At the request of the First Selectman, the company has been attempting to obtain grant funding to assist with this project, but has not had any funding awarded to date. There are not many grants available at this time for fire station renovations/construction, but the company will continue to seek out any possibilities that might arise.

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND OTHER SUPPORTING DOCUMENTATION

The Fire Company has a building committee that has been established by the RTM and is current working on design specifications to put this project out to bid.

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	CNR	2,215,000	1,000,000				
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	Undesignated CNR fund balance						
7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS	**2,215,000**	**1,000,000**	**0**	**0**	**0**	**0**

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - FIRST SELECTMAN RECOMMENDED
FISCAL YEARS 2019 - 2023

																24	24	20	13	16
																$ 0.97	$ 1.40	$ 1.29	$ 0.91	$ 1.20
																$ 971,910	$ 1,401,184	$ 1,285,953	$ 907,935	$ 1,201,461
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	NOTES	2019	2020	2021	2022	2023
A4	114WFD	4	Assessor	CAR-DPW	8	CAR	2003	06/23/03	$25,538	Ford	CROWN VICTORIA	2FAHP71W83X209380	86,505	$6,400						
BOE1	24WFD	60	Board of Ed	PCK-F	10	PICK UP AND JEEP (FIRE)	2011	08/15/11	$38,465	Ford	F250	1FDBF2B64BEC82407	44,596	$1,183					$ 51,694	
BOE10	N/A	60	Board of Ed	SKD STR	10	SKID STEER LOADER	2007	05/11/07	$22,000	New Holland	L170 Skid Star Bobcat	N7M455552	n/a	n/a					$ 33,693	
BOE11	N/A	60	Board of Ed	UTL-DPW	10	UTILITY CART	2014	02/12/14	$25,353	John Deere (w/ spreader and plow)	Model XUV855DPS	CH3009D250621	n/a	n/a						
BOE12	S2067S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2013	05/23/13	$23,238	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBGXDR755957	147,513	$2,775	Being Replaced FY18 after winter					
BOE13	S2068S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2013	05/23/13	$23,238	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBG1DR668500	142,557	$4,580	request to replace in FY2019 as scheduled	$22,007				
BOE14	S2065S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2013	05/23/13	$23,238	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBG9DR602549	113,924	$2,890			$22,759			
BOE15	S3164S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2014	06/25/14	$22,486	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBG4ER376549	87,900	$2,225				$23,328		
BOE2	23WFD	60	Board of Ed	VAN-DPW	10	VAN	2005	04/21/05	$29,056	Ford	ECONOLINE	1FDWE35L75HA78392	57,846	$1,084			$56,979			
BOE3	25WFD	60	Board of Ed	PCK-F	10	PICK UP	2013	11/04/13	$46,104	GMC	Sierra K3500	1GD322CGXDF166536	45,697	$3,417						
BOE4	26WFD	60	Board of Ed	PCK-F	10	PICK UP	2012	11/30/12	$42,293	Ford	F350	1FTRF3B66CEB84702	37,029	$1,430						$56,840
BOE5	27WFD	60	Board of Ed	VAN-DPW	10	VAN	2011	01/20/11	$18,425	Ford	E250 Van	1FTNE2EWXBDA45393	72,191	$877				$ -	$ 24,762	
BOE6	28WFD	60	Board of Ed	MDD-DPW	15	MEDIUM DUTY DUMP	2008	10/26/07	$31,800	Ford	F250- Requesting to replace with a F350	1FDNF21508EB26217	87,438	$4,783						
BOE7	29WFD	60	Board of Ed	PCK-F	10	PICK UP	2015	12/31/14	$44,396	Chevrolet	Silverado K350	1GC5KYCG5FZ508430	18,600	$1,922						
BOE8	30WFD	60	Board of Ed	MDD-DPW	15	MEDIUM DUTY DUMP	2012	12/20/12	$32,798	Ford	F350 PICK-UP	1FDRF3H61CEB25642	33,723	$2,046						
BOE9	117WFD	60	Board of Ed	PCK-F	10	PICK UP	2015	01/09/15	$46,037	Chevrolet	Silverado K350	1GB0KYEG7FZ510434	40,579	$1,297						
W-500	1360	COH	Cohanzie Fire Company	9999	0	Do Not Replace	2009	05/20/09	$197,469	Ford	Ambulance	1FDAF56R59EA45856	63,129 / 5,219							
W-51	346WFD	COH	Cohanzie Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2016	04/11/16	$543,200	E-One	Custom Pumper	4EN6AAA8XG1009830	6,490 / 434							
W-53	347WFD	COH	Cohanzie Fire Company	BR5-F	20	BRUSH TRUCK (FIRE)	2009	05/13/09	$95,854	Ford	Super Duty F-550	1FDAW57R29EA35364	6,737 / 1,003							
W-55	348WFD	COH	Cohanzie Fire Company	T&A-F	20	TOWER LADDER/AERIAL (FIRE)	2004	12/29/04	$667,929	SUTPHEN	Ladder Truck	1S9A7LLD442003078	25,926 / 3,190							
W-56	349WFD	COH	Cohanzie Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2011	10/12/10	$47,426	Ford	F350	1FT8X3BT6BEA81633	31,425 / 1,947							$ 69,647
W-57	350WFD	COH	Cohanzie Fire Company	SPC-F	20	SPECIALTY UNIT (FIRE)	2010	10/05/10	$511,983	Ferrara Igniter Custom	Rescue Truck	1F9505328AH140755	2,520 / 1,468							
W-600	1340	COH	Cohanzie Fire Company	9999	0	Do Not Replace	2002	09/27/02	$140,000	Ford	Ambulance	1FDXE45F92HA21112	n/a							$ 43,325
CAR 18	18WFD	22	EMERGENCY MANAGEMENT	CAR-DPW	8	CAR	2008	11/15/10	$19,000	Chevrolet	SILVERADO PICK-UP 1500	3GCEK13328G306359	128,866	$12,670	Replace with W 26 from Quaker Hill Fire	$ -				$ -
Car 115 (Q115)	115WFD	23/FM	FIRE MARSHAL	SUV-DPW	8	SUV	2015	06/19/15	$33,333	Ford	UTILITY INTERCEPTOR	1FM5K8AR6FGB52372	13,742	$277						
Car 55 (Q55)	55WFD	23/FM	FIRE MARSHAL	PCK-F	10	PICKUP AND JEEP (FIRE)	2013	11/16/12	$31,620	Ford	F150 PICKUP (with cap)	1FTFW1EFXDKD31481	56,716	$3,244						
Car 85 (Q85)	85 WFD	23/FM	FIRE MARSHAL	CAR-F	8	SUV	2016	02/26/16	$43,884	Ford	EXPEDITION	1FMJU1JT9GEF29608	29,011	$753						
A1	1WFD	1	FIRST SELECTMAN	CAR-HYB	8	CAR - HYBRID	2012	09/18/12	$27,238	Ford	Fusion Hybrid	3FADP0L31CR322157	59,969	$4,179	Deferred to FY2022 should be 10 year replacement not 8 years per Dan S.	$ -			$ 34,500	
Boat Trailer	1957	GOS	Goshen Fire Company	TRL-F	20	TRAILER (FIRE)	2017	06/03/16	$8,749	Shore Lander	Boat Trailer	1MDAVA121HA609182	n/a							
W-300	589	GOS	Goshen Fire Company	9999	0	Do Not Replace	2012	08/01/12	$190,000	GMC	Ambulance	1GD675CL7C1154336	25,036 / 1,572							
W-31	30WFD	GOS	Goshen Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2014	07/25/13	$486,826	KME Custom	Pumper	1K9AF4281EN058620	8,589 / 719							
W-32	334WFD	GOS	Goshen Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	1998	02/23/99	$307,935	Spartan	1,500 GPM Pumper	4S7AT419XWC026143	13,439 / 3,405					$ 563,410		
W-34	133WFD	GOS	Goshen Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2012	03/01/12	$58,114	Ford	F450	1FDUF4HT2CEA51122	5,898 / 455							
W-36	335WFD	GOS	Goshen Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2007	08/29/06	$36,973	Ford	F350 pickup	1FTWW31P17EA67953	42,848 / 1,837			$ -	$ 54,030			

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - FIRST SELECTMAN RECOMMENDED
FISCAL YEARS 2019 - 2023

																24		24	20	13	16
																$ 0.97		$ 1.40	$ 1.29	$ 0.91	$ 1.20
																$ 971,910		$ 1,401,184	$ 1,285,953	$ 907,935	$ 1,201,461
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	NOTES	2019		2020	2021	2022	2023
W-93	120WFD	GOS	Goshen Fire Company	BOT-F	30	BOAT (FIRE)	2007	06/29/07	$103,334	Lake Assault	24' Landing Craft	LKKGFD93G707	8,336 / 8,206								
W-100	591	JOR	Jordan Fire Company	9999	0	Do Not Replace	2011	09/28/11	$210,000	Dodge	4500 ST Ambulance	3D6WA6EL7BG559048	51,846 / 4,454								
W-11	1451	JOR	Jordan Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2014	12/05/14	$458,400	Typhoon	1,500 GPM Pumper	4EN6AAA80E1008750	10,494 / 863								
W-15	1454	JOR	Jordan Fire Company	T&A-F	20	TOWER LADDER/AERIAL (FIRE)	2016	07/28/17	$998,854	Pierce	Arrow XT Ladder Truck	4P1BCAGF1GA016140	8,326 / 370								
W-16	334WFD	JOR	Jordan Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2005	04/22/05	$43,594	Ford	F350	1FTWW31P15EC55708	82,118 / 4,297								
W-400		OSW	Oswegatchie Fire Company	9999	0	Do Not Replace	2008	01/08/08	$192,378	Ford	F-550 4x4 Ambulance	1FDAF57R18EC19192	82,559 / 6,047								
W-41	341WFD	OSW	Oswegatchie Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	1998	02/16/99	$279,030	Spartan	1,500 GPM Pumper	4S7AT2294WC026142	31,301 / 4,105								
W-42	342WFD	OSW	Oswegatchie Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2007	05/14/08	$416,793	Seagrave	1,500 Marauder Pumper	1F9ES28T97CST2165	21,819 / 2,128								
W-43	343WFD	OSW	Oswegatchie Fire Company	BRS-F	20	BRUSH TRUCK (FIRE)	2006	06/06/06	$125,245	Ford	F550 Brush Truck	1FDAX57P66ED51762	10,000 / 980								
W-46	340WFD	OSW	Oswegatchie Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2006	01/23/06	$44,606	Ford	F350	1FDWW31P96EB60911	61,355 / 3,077	$12,349	Replace FY19 as Scheduled due to condition. Replace with standard gasoline powered pickup truck	$ 51,557					
W-94	339WFD	OSW	Oswegatchie Fire Company	SPC-F	20	SPECIALTY UNIT (FIRE)	1988	09/15/89	$275,093	Simon	Duplex	1D91P11J3J1008891	30,250 / 5,181								
ATV 1		29	POLICE	ATV-PD	10	ALL TERRAIN VEHICLE	2007	06/11/08	$5,485	KAWASAKI	MULE OFF ROAD UTILITY VEHICLE	JK1AFEA127B534391	366	$0							
ATV 2		29	POLICE	ATV-PD	10	ALL TERRAIN VEHICLE	2017	06/14/17	$6,044	POLARIS	A17SEA57A5 ATV	4XASEA571HA071534	1	$0							
ATV 3		29	POLICE	ATV-PD	10	ALL TERRAIN VEHICLE	2017	06/14/17	$6,044	POLARIS	A17SEA57A5 ATV	4XASEA571HA085837	1	$0							
CAR 1	377MHN	29	POLICE	CRU-DPW	5	CRUISER	2014	05/13/14	$32,092	Chevrolet	Caprice	6G3NS5R26EL956920	81,238	$9,149	Requesting FY19 Replacement as scheduled due to high mileage & repair costs. Request to replace with Ford Interceptor SEDAN at a cost of $38,897	$ 38,897					
CAR 10	10WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/21/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR7GGB89111	36,357	$2,522					$ 41,424		
CAR 101	54WFD	29	POLICE	9999	0	Do Not Replace	1985	04/29/13	Donated	Humvee	1 1/4-ton Utility Vehicle (Military Surplus)	011418	n/a	n/a							
CAR 11	11WFD	29	POLICE	SUV-DPW	8	SUV	2016	05/31/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR3GGB89106	31,425	$2,432					$ 29,070		
CAR 12	12WFD	29	POLICE	CRU-DPW	5	CRUISER	2014	06/06/14	$32,390	Chevrolet	Caprice	6G3NS5R31EL962648	70,102	$6,493	Requesting FY19 Replacement as scheduled due to high mileage & repair costs. Request to replace with Ford Interceptor SEDAN at a cost of $40,622.	$ 40,622					
CAR 13	13WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/07/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR1GGB89105	36,961	$2,566					$ 29,070		
CAR 14	14WFD	29	POLICE	CRU-DPW	5	CRUISER	2014	06/06/14	$32,390	Chevrolet	Caprice	6G3NS5R37EL962766	41,935	$2,494	Request to Defer until FY2020 Marked Car - due to low mileage, low repair costs and good condition.	$ -		$ 33,150			
CAR 15	15WFD	29	POLICE	SUV-DPW	8	Pick -up Truck	2017	01/25/17	$42,579	Chevrolet	SILVERADO 4WD CREW CAB	3GCUKNEC4HG276068	5,135	$117					$ 29,070		
CAR 16	16WFD	29	POLICE	SUV-DPW	8	SUV	2015	10/28/14	$33,983	Ford	EXPLORER	1FM5K8AR9FGA94449	57,531	$6,810							$ 43,049
CAR 17	17WFD	29	POLICE	9999	0	Do Not Replace	1981	01/02/81	$16,901	Chevrolet	CORVETTE (Drug Forfeiture)	1G1AY8764BS410774	n/a	n/a							
CAR 19	19WFD	29	POLICE	SUV-DPW	8	SUV	2016	05/02/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR5GGB89110	42,203	$3,347							
CAR 2	2WFD	29	POLICE	CRU-DPW	5	CRUISER	2011	07/19/11	$21,631	Ford	CROWN VICTORIA	2FABP7BV1BX173221	80,251	$4,370	Requesting Replacement in FY19 due to poor condition and high mileage. Request to replace with Ford Interceptor Utility as a cost of $48,365	$ 48,365		$ -			
CAR 20	AB38068	29	POLICE	SUV-DPW	8	SUV	2016	10/30/15	$33,554	Ford	Explorer	1FM5K8AR7GGB19608	24,297	$3,636							
CAR 21	21WFD	29	POLICE	SUV-DPW	8	SUV	2011	11/14/11	$28,553	Ford	EXPEDITION	1FMJU1G55BEF53860	32,652	$2,204				$ 36,170			

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - FIRST SELECTMAN RECOMMENDED
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																$ 971,910	$ 1,401,184	$ 1,285,953	$ 907,935	$ 1,201,461	
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	NOTES	2019	2020	2021	2022	2023	
CAR 22	22WFD	29	POLICE	SUV-DPW	8	SUV	2015	11/18/14	$42,428	Ford	Explorer Police AWD	1FM5K8AR7FGA94448	90,963	$6,476	Requesting Replacement in FY19 due to high mileage & repair costs. Replace with Ford Interceptor Utility at a cost of $48,365 & Reclassify to 5yr replacement.	$ 48,365				$ -	
CAR 23	932PHE	29	POLICE	SUV-DPW	8	CAR	2017	01/31/17	$32,722	Ford	EXPLORER	1FM5K8AR5HGB83275	3,887	$0		$ -					
CAR 24	931PHE	29	POLICE	CAR-DPW	8	CAR	2011	12/23/10	$23,976	Ford	TAURUS	1FAHP2HW1BG145602	82,053	$3,129	Request to Defer until FY2020 Unmarked Car - Due to low repair costs & good condition	$ -	$ 39,047				
CAR 25	583UTH	29	POLICE	SUV-DPW	8	SUV	2014	07/17/14	$28,175	Ford	Utility Interceptor AWD	1FM5K8AR9EGA50496	26,890	$1,220						$ 35,691	
CAR 26	584UTH	29	POLICE	SUV-DPW	8	SUV	2014	07/17/14	$28,403	Ford	Utility Interceptor AWD	1FM5K8AR5EGA76240	38,708	$518						$ 35,980	
CAR 27	873PJK	29	POLICE	SUV-DPW	8	SUV	2017	10/17/16	$34,879	Ford	Explorer Police AWD	1FM5K8AR6HGA79474	5,528	$0							
CAR 28	8AMLP7	29	POLICE	SUV-DPW	8	SUV	2015	10/07/14	$34,115	Ford	Explorer Police AWD	1FM5K8AR0FGA89060	26,590	$925						$ 43,216	
CAR 29	935GHH	29	POLICE	CRU-DPW	5	CRUISER	2014	05/13/14	$30,658	Chevrolet	Caprice	6G3NS5R34EL958190	44,171	$1,954	Request to Defer until FY2020 Unmarked Car - due to low mileage & repair costs	$ -	$ 35,541				
CAR 3	3WFD	29	POLICE	CAR-DPW	8	CAR (requesting SUV)	2011	07/13/11	$21,631	Ford	Crown Victoria	2FABP7BV5BX173223	106,266	$7,249							
CAR 30	156MCM	29	POLICE	CAR-DPW	8	CAR (requesting SUV)	2010	11/30/09	$23,086	Ford	TAURUS	1FAHP2DW1AG112586	78,510	$2,918							
CAR 31	AB38069	29	POLICE	SUV-DPW	8	SUV	2016	10/30/15	$33,977	Ford	Explorer Police AWD	1FM5K8AR9GGB19609	25,996	$623							
CAR 33	236DJW	29	POLICE	9999	0	Do Not Replace	2005	02/21/14	$10,800	Honda	Accord (Asset Forfeiture)	1HGCM66845A04811	n/a	n/a							
CAR 34	236DJW	29	POLICE	9999	0	Do Not Replace	2002	02/21/14	$5,875	Honda	Civic (Asset Forfeiture)	2HGES26792H561129	n/a	n/a							
CAR 4	4WFD	29	POLICE	SUV-DPW	8	SUV	2016	05/31/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR9GGB89109	22,748	$937				$ 29,070			
CAR 5	5WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/04/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR7GGB89108	42,727	$2,033				$ 30,990			
CAR 6	6WFD	29	POLICE	SUV-DPW	8	SUV	2015	11/07/14	$36,885	Chevrolet	Tahoe	1GNSK3EC4FR306315	68,280	$5,196						$ 46,725	
CAR 7	7WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/04/16	$46,719	Ford	Explorer Police AWD	1FM5K8AR9GGB89112	24,502	$1,584							
CAR 8	8WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/07/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR5GGB89107	32,889	$1,934				$ 40,118			
CAR 9	9WFD	29	POLICE	CRU-DPW	5	CRUISER	2014	06/06/14	$53,565	Chevrolet	Caprice	6G3NS5R36EL962693	80,459	$9,060	Requesting FY19 Replacement as scheduled due to high mileage & repair costs. Request to replace with Ford Interceptor SEDAN at a cost of $40,622.	$ 40,622					
CV1	118WFD	29	POLICE	9999	0	Do Not Replace	1998	08/23/98	$135,769	Ford	E450 Command Vehicle	1FDXE40F2WHB92670	n/a	n/a							
PD1	152WFD	29	POLICE	BOX-DPW	20	BOX TRAILER	1993	01/02/93	$3,282	CROSS	59 TRAILER	1C9FS0917P1431062	n/a	n/a					$ 4,000		
PD2	N/A	29	POLICE	BOT-PD	30	Boat (Police)	2012	03/02/12	$462,696	Sea Ark Marine 2810V	28' Stainless Keel Patrol BOAT AND PROPULSION PKG	SAMA2026H111	1,575								
A18	45WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2006		$23,656	Ford	CROWN VICTORIA	2FAHP71W86X122289	83,947	$3,290							
A8	106WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2001	12/06/00	$22,523	JEEP	CHEROKEE	1J4FF48S51L565909	92,319	$3,967							
A20	104WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2008	12/18/07	$26,797	Ford	EXPLORER	1FMEU73E68UA17301	51,062	$7,146							
A2	110WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2009	02/11/09	$19,090	Ford	ESCAPE	1FMCU92779KB46666	84,526	$16,093							
H1	N/A	30	PUBLIC WORKS	FRK-DPW	25	FORK LIFT	1967	01/20/99	$17,062	HYSTER - Purchased Used	S20A Fork Lift	A10D5889L	724 hrs	$846							
H11	78WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2012	03/14/12	$31,876	Ford	F-250 4X4	1FTBF2B68CEA59387	89,239	$9,004							
H12	80WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2003	01/02/03	$37,196	Ford	F450 4x2	1FDXF46F63EB17892	47,000	$8,172	Request to defer replacement until FY2021	$ -		$ 60,000			
H13	79WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2014	12/06/13	$33,569	Chevrolet	Silverado K250	1GC0KVCGXEF154607	32,412	$5,454							
H14	129WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	02/09/15	$140,270	International	4300 SBA Tarco T2000 S/S	1HTMMAAL8FH734287	18,376	$8,582							

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - FIRST SELECTMAN RECOMMENDED
FISCAL YEARS 2019 - 2023

																	24	24	20	13	16
																	$ 0.97	$ 1.40	$ 1.29	$ 0.91	$ 1.20
																	$ 971,910	$ 1,401,184	$ 1,285,953	$ 907,935	$ 1,201,461
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	NOTES	2019	2020	2021	2022	2023
H147	147WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	1991	06/07/91	$2,194	ROSCO	TRAILER	1YB411327M1B1T617	n/a	$1,449						
H15	121WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	03/27/15	$140,270	International	4300 SBA Tarco T2000 S/S	1HTMMAALXFH734288	17,184	$6,714						
H16	123WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/18/17	$171,927	FREIGHTLINER	114SD DUMP	1FVACWFC5JHJJ7757	2,500	$1,864						
H17	86WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/26/17	$171,927	FREIGHTLINER	114SD DUMP	1FVACWFC3JHJJ7756	2,700	$1,324						
H18	125WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2010	06/17/09	$99,117	International	4300 SBA Dump	1HTMMAAL8AH188776	45,372	$30,609						
H19	108WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2005	01/24/05	$30,175	Ford	F250 4X4	1FTSF21P45EB72105	158,057	$14,873	Request to Replace FY2019 as scheduled. High mileage & repair costs	$ 44,968				
H24	56WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2003	10/18/02	$118,670	Elgin	PELICAN P SWEEPER	P-3928-S	15,280	$64,461	Request to adjust replacement cost in FY2020 from $187,566 to $235,278 to be in line with FY17 sweeper purchase		$ 235,278			
H25	57WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2018	03/13/17	$221,772	FREIGHTLINER	M2105 A7 Tornado Sweeper	1FVACXFC9JHJH1578	2,700	$3,080						
H26	62WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1959	01/01/59	N/A	Ferguson	TO-35 TRACTOR MOWER	SGM 193199	4929 hrs	$2,053						
H27	63WFD	30	PUBLIC WORKS	TRC-DPW	15	TRACTOR	2008	05/20/08	$82,026	JOHN DEERE	MODEL 5603 TRACTOR	LV5603R268632	4,039	$32,270						$ 97,648
H30	87WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	05/12/17	$173,657	FREIGHTLINER	114SD	1FVAG3FE9JHJH1112	3,639	$1,601						
H31	88WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/05/16	$170,945	FREIGHTLINER	114SD	1FVAG3CY3HHJA1291	6,067	$2,996						
H32	95WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/11/16	$170,945	FREIGHTLINER	114SD	1FVAG3CY5HHJA1292	4,000	$4,657						
H-33	135WFD	30	PUBLIC WORKS	GRN-DPW	15	STUMP GRINDER	2004	11/12/04	$23,651	CARLTON	7500 - Stump Grinder	1J9G42122C1167474	176 hrs	$4,906			$ -		$ 40,265	
H34	94WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2004	03/19/04	$91,116	Sterling	L7500	2FZAATDC84AN04719	36,336	$42,683	Request to replace in FY2019 as scheduled due to Poor condition & high repair costs	$ 176,828				
H35	92WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2012	09/28/12	$195,832	International	7400 SFA 4X2 12M DUMP/SPREADER WITH CRANE	1HTWDAZR8CH121003	28,178	$25,739						
H36	124WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	03/04/14	$140,885	International	7400 SFA 4x2	1HTWDAAR2EH025219	20,260	$13,120			$ -			
H37	131WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	02/14/14	$140,885	International	7400 SFA 4x2	1HTWDAAR0EH025218	18,886	$7,971						
H38	130WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	12/24/13	$140,885	International	7400 SFA 4x2 (with Tenco spreader)	1HTWDAAR9EH025220	19,626	$8,347						
H39	96WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2009	07/23/08	$115,800	International	7400 SFA	1HTWDAAR29J077349	47,100	$39,015						
H40	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	06/13/03	$176,828	FREIGHTLINER	1145SD	On Order PO 181123	n/a	n/a						
H42	99WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	12/31/09	$104,350	International	7600 SFA 6x4 Tractor Trailer	1HSWXSJT8AJ273491	130,415	$38,853	Request to move replacement from FY2028 to FY2021 due to high mileage			$ 148,526		
H43DT	161WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2001	09/14/00	$30,375	FRUEHAUF	DUMP TRAILER	1JJU262F61S737748	n/a	$1,455					$ 54,860	
H43LB	165WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1954	01/02/54	$1,295	FRUEHAUF	LOW BED TRAILER	FW96419	n/a	n/a						
H43RO	151WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2000	11/10/00	$14,925	BENLEE	TRAILER TA60TC34	1B9A13420YB183504	n/a	$13,284	Request to defer replacement until FY2021 (was 2020)		$ -	$ 58,100		
H43T	164WFD	30	PUBLIC WORKS	UTL-F	12	UTILITY UNIT (FIRE)	2006	10/05/05	$37,398	TOWMASTER	T-70DTG DUMP TRAILER	4KNFT22276L160354	n/a	$1,181				$ -	$ 60,000	
H44	158WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2005	11/18/04	$24,000	VERMEER	BC1000XL-CHIPPER	1VRY1119X51005548	1714 hrs	$4,703						
H45	60WFD	30	PUBLIC WORKS	BKH-DPW	25	BACKHOE	2009	03/15/10	$89,180	VOLVO	BL70 BACKHOE/LOADER	VCEOBL70A00020080	2924 hrs	$18,563						

TOWN OF WATERFORD
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																$ 0.97		$ 1.40		$ 1.29	$ 0.91	$ 1.20
																$ 971,910		$ 1,401,184		$ 1,285,953	$ 907,935	$ 1,201,461
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	NOTES	2019		2020		2021	2022	2023
H47	58WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2008	09/09/08	$39,900	JOHN DEERE	5603 LOADER/TRACTOR	LV5603R270211	2831 hrs	$13,098							$ 60,000	
H48	N/A	30	PUBLIC WORKS	RLL-DPW	20	ROLLER	2012	04/23/12	$33,105	HAMM	HD 10VV Asphalt Roller	2001793	163 hrs	$1,274								
H49	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1970	01/02/70	$36,000	INGRAM	5-7 TON ROLLER	401073F27	1,543	$455								
H50	101WFD	30	PUBLIC WORKS	VAC-CC	20	Vac-All Cab and Chassis	2009	04/30/08	$63,890	International	7400 SBA 4x2 Sewer Vac	1HTWCAAR79J077348	5,524	$3,005								
H-50V	N/A	30	PUBLIC WORKS	VAC-BODY	10	Vac-All Body	2004	04/22/04	$109,898	Vac-All Body for H-50	LV10C	N/A	1,643	$25,050	No Longer needed due to the purchase of H24 Sweeper.			$ -				
H51	90WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	06/04/10	$180,550	International	Model AL60 Aerial Lift / Hybrid	1HTMMAAR3AH247768	23,440	$6,118								
H52	162WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2004	12/16/04	$14,420	Ingersoll Rand	P185WJD COMPRESSOR	350036UJ0221	438	$1,948	Request to defer replacement from FY2020 to FY2023.			$ -				$ 23,140
H53	66WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2003	12/12/03	$91,118	TRACKLESS	MT5TD SIDEWALK PLOW w/ attachments	MT5TD-2330	11,730	$16,580								
H54	67WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2015	10/16/15	$86,534	WACKER NEUSON	WL32 COMPACT LOADER W/ATTACHMENTS	3031050	225 hrs	$4,692								
H55	127WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2017	09/08/17	$36,044	VERMEER CHIPPER	BC1000XL-CHIPPER	1VRY11196H1025266	17 hrs	$0								
H56	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1977	01/01/77	$12,400	LAYTON	D.550B SUPER PAVER	D7621-K-6	na	$6,599								
H58	146WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2008	10/14/08	$16,985	Ingersoll Rand	XP185WJD Port. Compressor	402988UGS222	79 hrs	$957								
H6	81WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2007	09/27/06	$29,837	Ford	F250 4X4	1FTSF21P87EA84225	127,050	$17,316	Request to Move Replacement from FY2021 to FY2019 due to high mileage and repair costs. Estimate to replace $44,968	$ 44,968				$ -		
H64	61WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2017	07/20/17	$196,847	VOLVO	L90H LOADER WHEEL	623984	26 hrs	$947								
H65	59WFD	30	PUBLIC WORKS	LDR-DPW2	20	LOADER	2004	09/07/04	$115,135	VOLVO	L90E LOADER	D6DLAE2969011	8,505	$24,679								
H77	168WFD	30	PUBLIC WORKS	BOX-DPW	20	BOX TRAILER	2013	07/24/13	$3,630	BIG TEX	70TV-12 UTILITY TRAILER	16VUX1220D3E93806	n/a	$3,398								
H78	171WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1974	01/01/74	Homemade	COX	Box Trailer	7214 SMBT W-23	n/a	n/a								
H9	77WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2011	11/24/10	$76,014	International	4300 SBA 4x2 w/Platform Body	1HTMMAAL9BH388342	53,222	$7,973								
S18	71WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$194,875	VOLVO	WX64 PACKER	5VCDC6MF67H204567	118,084	$121,212								
S19	93WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$191,749	VOLVO	WX64 PACKER	5VCDC6MF57H203734	112,481	$144,223								
S20	72WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	9/11/2015	$250,200	PETERBILT	320 SDE LOADER	3BPZLJ0X2GF100839	25,339	$15,070								$ 307,714
S21	64WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	09/08/15	$250,200	PETERBILT	320 SDE LOADER	3BPZLJ0X9GF100840	23,927	$21,603								$ 307,714
S22	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2018	03/15/11	$253,542	PETERBILT	McNEILUS SIDE LOADER	On Order PO 181190	n/a	n/a								
S23	73WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/17/08	$131,557	International	REFUSE PACKER	1HTWGAAT19J093030	26,032	$5,487							$ 160,000	
S24	74WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/19/08	$131,557	International	REFUSE PACKER	1HTWGAAT39J093031	26,850	$13,352							$ 160,000	
S25	75WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	3BPZL50X7BF129186	53,619	$58,063				$ 284,879				
S26	76WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	3BPZL50X0BF129188	59,006	$75,719				$ 284,879				
S29	69WFD	30	PUBLIC WORKS	FLP-DPW	15	FRONT LOAD PACKER	2016	11/30/15	$223,725	PETERBUILT	DUMPSTER TRUCK	3BPZXJ0X2GF102983	30,887	$7,117								
S30	65WFD	30	PUBLIC WORKS	B&E-DPW	15	BULLDOZER/EXCAVATOR	2001	12/28/01	$159,000	VOLVO	EW170 EXCAVATOR	26289408	13147 hrs	$54,130	Request to replace in FY2019 as scheduled	$ 272,644						

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																$ 0.97		$ 1.40		$ 1.29	
																$ 971,910		$ 1,401,184		$ 1,285,953	
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	NOTES	2019		2020		2021	
UT2	163WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2009	07/27/09	$11,857	CAM	8CAM824DOTT - Utility Trailer	5JPBU292X9P024572	n/a	$947							
A10	112WFD		PZ/BH	CAR-DPW	8	CAR	2011	11/18/10	$18,433	Ford	ESCAPE	1FMCU9C7XBKA75810	20,190	$994	Request to defer replacement to FY2027 with cost of $31,045	$ -					
A3	103WFD		PZ/BH	CAR-DPW	8	CAR	2011	10/06/10	$19,658	Ford	FUSION	3FAHP0JGXBR129270	38,267	$1,177	Request to defer replacement to FY2026 with cost of $35,337	$ -					
A6	128WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	09/11/12	$27,238	Ford	FUSION HYBRID	3FADP0L38CR322155	18,216	$279	Request to defer replacement to FY2029 with cost of $43,704					$ -	
A7	107WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	10/13/11	$26,928	Ford	FUSION HYBRID	3FADP0L3XCR187566	48,986	$1,185	Request to defer replacement to FY2025 with cost of $39,543			$ -			
A9	111WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	10/13/11	$26,928	Ford	FUSION HYBRID	3FADP0L31CR187567	24,336	$851	Request to defer replacement to FY2026 with cost of $40,730			$ -			
W-200	590	QH	Quaker Hill Fire Company	9999	0	Do Not Replace	2016	07/08/16	$208,527	Ford	G4500 LIFE LINE AMBULANCE	1GD67UCLXG1215341	8,238 / 413								
W-21	N/A	QH	Quaker Hill Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2006	10/02/06	$396,447	Ferrara	Igniter Custom Pumper	1F94047266H140373	24,916 / 2,403								
W-23	1025	QH	Quaker Hill Fire Company	BRS-F	20	BRUSH TRUCK (FIRE)	2006	07/01/06	$125,245	Ford	F550 Brush Truck	1FDAX57P86ED51763	6,344 / 1,023								
W-25	N/A	QH	Quaker Hill Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2016	06/17/16	$781,812	Spartan	Gladiator TeleSquirt Pumper	4S7AV2E94FC080868	3,646 / 310								
W-26	337WFD	QH	Quaker Hill Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2006	02/01/06	$44,076	Ford	F350	1FDWW31P76EB60910	42,825 / 2,721	$3,088	Replace FY19 as scheduled due to condition. Replace with standard gasoline powered pickup truck and transfer to Emergency Management	$ 54,922					
Utility Trailer	354WFD	37	REC/PARKS	TRL-F	20	TRAILER (FIRE)	1989	11/01/89	not avail	Parker	Utility Trailer	13ZSA1014X1000005									
P50	42WFD	37	REC/PARKS	9999	0	Do Not Replace	1980		$10,400	JOHN DEERE	1050 TRACTOR	1D50S003477	n/a	$7,395							
P51	119WFD	37	REC/PARKS	TRC-DPW	15	TRACTOR	2003	09/30/03	$31,902	JOHN DEERE	4710 TRACTOR	CVW1JD4510AS	broken	$7,523	Request Replacement in FY19 as scheduled	$ 87,145					
P53	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2016	10/19/16	$60,650	TORO	GROUNDSMASTER 4100	316000766	269 hrs	$1,505							
P54	N/A	37	REC/PARKS	MOW LG	10	MOWER	2003	08/25/03	$12,919	Ferris	IS 5000 72" Mower	682	1998 hrs	to be replaced fy18							
P55	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2016	10/19/16	$60,650	TORO	Groundsmaster 4100	316000682	330 hrs	$1,390							
P60	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2013	01/10/14	$61,160	Toro	Groundsmaster 4000 D - 10' mower	313000145	1065 hrs	$3,413							
P61	43WFD	37	REC/PARKS	TRC-DPW	15	TRACTOR	2014	09/26/14	$56,930	KUBOTA	L4760HSTC TRACTOR/LOADER w/attachments	30612	1275 hrs	$3,091	Request to Change Class code from MOW2-DPW to TRC-DPW as this is a tractor not a mower.						
P62	N/A	37	REC/PARKS	MOW LG	10	MOWER	2013	08/23/13	$27,568	GROUND MASTER	3280 MOWER/HI-LIFT & BLOWER KIT	313000335,313000109,	413 hrs	$1,541							$ 42,950
P63	N/A	37	REC/PARKS	MOW LG	10	MOWER	2016	10/19/16	$18,277	TORO	GM7200 - 6' mower	316000281	189 hrs	$989							
P64	N/A	37	REC/PARKS	SED-DPW	10	SEEDER	2006	07/12/06	$10,628	SEEDA-VATOR	SE-60E	483	501 hrs	n/a							
P65	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2013	03/06/13	$35,584	TORO	GROUNDSMASTER W/PLOW ATTACH	312000301	1298 hrs	$1,103							$ 47,822
P74	N/A	37	REC/PARKS	TRP RAKE	10	TRAP RAKE	2016	06/07/16	$19,572	TORO	SANDPRO INFIELD PRO 3040	316000434	180 hrs	$1,323							
R10	36WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2014	12/06/13	$33,570	Chevrolet	Silverado K250	1GC0KVCGXEF155367	34,638	$3,641							
R11	37WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2015	12/31/14	$52,824	Chevrolet	w/dump body with straight	1GB3KYCG9FF540956	13,299	$3,179							
R14	38WFD	37	REC/PARKS	MDD-PKS	15	MEDIUM DUTY DUMP	2009	03/13/09	$43,799	Ford	F450 DUMP	1FDAF47R49EA08998	64,630	$6,036							
R15	100WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2008	01/29/08	$35,358	Ford	F250 PICK-UP	1FTSF21RX8EC87491	89,787	$13,375							
R16	44WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2008	01/16/08	$35,358	Ford	F250 PICK-UP	1FTSF21R88EC87490	71,263	$18,246							
R2	33WFD	37	REC/PARKS	SUV-DPW	8	SUV	2009	05/27/09	$19,932	Ford	ESCAPE - Utility Body	1FMCU93G79KC38309	43,265	$1,642							
R6	41WFD	37	REC/PARKS	9999	0	Do Not Replace	1999	01/02/99	$27,530	Dodge	3500 VAN	2B5WB35Z3XK581749	79,286	$12,581							

																13		16	
																$ 0.91		$ 1.20	
																$ 907,935		$ 1,201,461	
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	NOTES	2022		2023	
UT2	163WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2009	07/27/09	$11,857	CAM	8CAM824DOTT - Utility Trailer	5JPBU292X9P024572	n/a	$947					
A10	112WFD		PZ/BH	CAR-DPW	8	CAR	2011	11/18/10	$18,433	Ford	ESCAPE	1FMCU9C7XBKA75810	20,190	$994	Request to defer replacement to FY2027 with cost of $31,045				
A3	103WFD		PZ/BH	CAR-DPW	8	CAR	2011	10/06/10	$19,658	Ford	FUSION	3FAHP0JGXBR129270	38,267	$1,177	Request to defer replacement to FY2026 with cost of $35,337				
A6	128WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	09/11/12	$27,238	Ford	FUSION HYBRID	3FADP0L38CR322155	18,216	$279	Request to defer replacement to FY2029 with cost of $43,704				
A7	107WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	10/13/11	$26,928	Ford	FUSION HYBRID	3FADP0L3XCR187566	48,986	$1,185	Request to defer replacement to FY2025 with cost of $39,543				
A9	111WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	10/13/11	$26,928	Ford	FUSION HYBRID	3FADP0L31CR187567	24,336	$851	Request to defer replacement to FY2026 with cost of $40,730				
W-200	590	QH	Quaker Hill Fire Company	9999	0	Do Not Replace	2016	07/08/16	$208,527	Ford	G4500 LIFE LINE AMBULANCE	1GD67UCLXG1215341	8,238 / 413						
W-21	N/A	QH	Quaker Hill Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2006	10/02/06	$396,447	Ferrara	Igniter Custom Pumper	1F94047266H140373	24,916 / 2,403						
W-23	1025	QH	Quaker Hill Fire Company	BRS-F	20	BRUSH TRUCK (FIRE)	2006	07/01/06	$125,245	Ford	F550 Brush Truck	1FDAX57P86ED51763	6,344 / 1,023						
W-25	N/A	QH	Quaker Hill Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2016	06/17/16	$781,812	Spartan	Gladiator TeleSquirt Pumper	4S7AV2E94FC080868	3,646 / 310						
W-26	337WFD	QH	Quaker Hill Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2006	02/01/06	$44,076	Ford	F350	1FDWW31P76EB60910	42,825 / 2,721	$3,088	Replace FY19 as scheduled due to condition. Replace with standard gasoline powered pickup truck and transfer to Emergency Management				
Utility Trailer	354WFD	37	REC/PARKS	TRL-F	20	TRAILER (FIRE)	1989	11/01/89	not avail	Parker	Utility Trailer	13ZSA1014X1000005							
P50	42WFD	37	REC/PARKS	9999	0	Do Not Replace	1980		$10,400	JOHN DEERE	1050 TRACTOR	1D50S003477	n/a	$7,395					
P51	119WFD	37	REC/PARKS	TRC-DPW	15	TRACTOR	2003	09/30/03	$31,902	JOHN DEERE	4710 TRACTOR	CVW1JD4510AS	broken	$7,523	Request Replacement in FY19 as scheduled				
P53	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2016	10/19/16	$60,650	TORO	GROUNDSMASTER 4100	316000766	269 hrs	$1,505					
P54	N/A	37	REC/PARKS	MOW LG	10	MOWER	2003	08/25/03	$12,919	Ferris	IS 5000 72" Mower	682	1998 hrs	to be replaced fy18					
P55	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2016	10/19/16	$60,650	TORO	Groundsmaster 4100	316000682	330 hrs	$1,390					
P60	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2013	01/10/14	$61,160	Toro	Groundsmaster 4000 D - 10' mower	313000145	1065 hrs	$3,413					
P61	43WFD	37	REC/PARKS	TRC-DPW	15	TRACTOR	2014	09/26/14	$56,930	KUBOTA	L4760HSTC TRACTOR/LOADER w/attachments	30612	1275 hrs	$3,091	Request to Change Class code from MOW2-DPW to TRC-DPW as this is a tractor not a mower.				
P62	N/A	37	REC/PARKS	MOW LG	10	MOWER	2013	08/23/13	$27,568	GROUND MASTER	3280 MOWER/HI-LIFT & BLOWER KIT	313000335,313000109,	413 hrs	$1,541				$	42,950
P63	N/A	37	REC/PARKS	MOW LG	10	MOWER	2016	10/19/16	$18,277	TORO	GM7200 - 6' mower	316000281	189 hrs	$989					
P64	N/A	37	REC/PARKS	SED-DPW	10	SEEDER	2006	07/12/06	$10,628	SEEDA-VATOR	SE-60E	483	501 hrs	n/a					
P65	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2013	03/06/13	$35,584	TORO	GROUNDSMASTER W/PLOW ATTACH	312000301	1298 hrs	$1,103				$	47,822
P74	N/A	37	REC/PARKS	TRP RAKE	10	TRAP RAKE	2016	06/07/16	$19,572	TORO	SANDPRO INFIELD PRO 3040	316000434	180 hrs	$1,323					
R10	36WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2014	12/06/13	$33,570	Chevrolet	Silverado K250	1GC0KVCGXEF155367	34,638	$3,641					
R11	37WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2015	12/31/14	$52,824	Chevrolet	w/dump body with straight	1GB3KYCG9FF540956	13,299	$3,179					
R14	38WFD	37	REC/PARKS	MDD-PKS	15	MEDIUM DUTY DUMP	2009	03/13/09	$43,799	Ford	F450 DUMP	1FDAF47R49EA08998	64,630	$6,036					
R15	100WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2008	01/29/08	$35,358	Ford	F250 PICK-UP	1FTSF21RX8EC87491	89,787	$13,375		$ 51,201			
R16	44WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2008	01/16/08	$35,358	Ford	F250 PICK-UP	1FTSF21R88EC87490	71,263	$18,246					
R2	33WFD	37	REC/PARKS	SUV-DPW	8	SUV	2009	05/27/09	$19,932	Ford	ESCAPE - Utility Body	1FMCU93G79KC38309	43,265	$1,642					
R6	41WFD	37	REC/PARKS	9999	0	Do Not Replace	1999	01/02/99	$27,530	Dodge	3500 VAN	2B5WB35Z3XK581749	79,286	$12,581					

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - FIRST SELECTMAN RECOMMENDED
FISCAL YEARS 2019 - 2023

																24	24	20	13	16
																$ 0.97	$ 1.40	$ 1.29	$ 0.91	$ 1.20
																$ 971,910	$ 1,401,184	$ 1,285,953	$ 907,935	$ 1,201,461
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	NOTES	2019	2020	2021	2022	2023
R8	34WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2016	07/18/16	$27,990	Chevrolet	Silverado 1500 PU	1GCNKNEC9GZ302876	4,924	$905						
R9	35WFD	37	REC/PARKS	MDD-PKS	15	MEDIUM DUTY DUMP	2006	03/08/06	$35,175	GMC	SIERRA 3500	1GDJK34D66E163756	86,860	$19,328				$ 66,231		
R30	31934	35	SRCTZ	VAN-DPW	10	VAN	2017	09/14/16	$63,020	FORD	Goshen Coach Pass. Bus	1FDEE3FS1HDC04582	14,723	$946						
R4	26820	35	SRCTZ	VAN-DPW	10	VAN	2009	09/15/09	$51,975	FORD/SUPREME	SENATOR BUS WITH LIFT	1FDEE35S49DA64658	103,992	$14,487	Being Replaced in FY18					
R5	23979	35	SRCTZ	VAN-DPW	10	VAN	2013	11/08/13	$59,035	Ford	Goshen Coach Pass. Bus	1FDEE3FS8DDB28949	71,036	$8,319	Request to Move replacement from FY2028 to FY2021 due to mileage & repair costs. Approximate cost to replace in FY2021 $74,128 (FY28 showed amount at $88,564)			$ 74,128		
CAR 100	50WFD	31	WUC	9999	0	Do Not Replace	1984	02/08/13	Donated	Humvee	1 1/4-ton Utility Vehicle (Military Surplus)	000130	n/a	$0			$ -			
C1	53WFD	31	WUC	SUV-DPW	8	SUV	2017	08/30/17	$26,771	Ford	EXPLORER	1FM5K8B85HGC17124	1,195	$0						
C2	116WFD	31	WUC	SUV-DPW	8	SUV	2011	03/29/11	$27,198	Ford	EXPEDITION XLT 4x4	1FMJU1G51BEF25120	21,843	$1,555	Request to Defer Replacement from FY2019 to FY2021	$ -		$ 35,000		
C3	122WFD	31	WUC	240SPC-DPW	20	20-YEAR SPECIALTY UNIT	2012	03/06/12	$115,979	International	7,500 SBA With Hi-Vac Attach	1HTWNAZB4CJ115205	5,639	$12,469						
C3-A Mounted on C-3	N/A	31	WUC	VAC-Body	10	Vac-All Body	2012	03/06/12	$163,857	AQUATECH	HI VAC ATTACHMENT	Model B-10	n/a	n/a					$ 172,960	
C4	51WFD	31	WUC	5DMP-DPW	20	5 TON DUMP TRUCK	1991	01/02/91	$114,000	Ford	L-8000	1FDYR82A6MVA06368	17,158	$2,724			$ 162,090			
C4-A Mounted on C4	N/A	31	WUC	240SPC-DPW	20		2012	09/05/12	$128,697	CUES CCTV	SEWER INSPECTION SYSTEM	N/A	n/a	n/a						
PG1	144WFD	31	WUC	GEN-DPW	15	GENERATOR	1982	01/02/82	$19,125	ONAN	TRAILER	1013131	524	$293						
PG2	179WFD	31	WUC	GEN-DPW	15	GENERATOR	1991	01/02/91	$20,000	ONAN	TRAILER	16MG1067LD017031	278	$0						
PG3	332WFD	31	WUC	GEN-DPW	15	GENERATOR	2015	05/15/15	$60,895	CUMMINGS	C100D6R 100KW Portable Generator w/trlr	G140718616	40	$0						
PP1	145WFD	31	WUC	PMP-DPW	15	PUMP	1985	01/02/85	$21,250	GORMAN RUPP	PUMP TRAILER	774243	125	$947						
PP2	148WFD	31	WUC	PMP-DPW	15	PUMP	1990	01/02/90	$21,250	GORMAN RUPP	PUMP TRAILER	968976N	141	$309						
NEW ASSET		31	WUC	PMP-DPW	15	PUMP							n/a	n/a	In acquisition process					
T1	48WFD	31	WUC	PCK-DPW	14	PICK UP	2006	06/20/06	$35,665	Chevrolet	SILVERADO PICK-UP 2500	1GBHK24DX6E251727	114,944	$15,477			$ 62,890			
T2	49WFD	31	WUC	PCK-DPW	14	PICK UP	2011	07/27/11	$55,594	GMC	K-3500 SIERRA 4wd	1GD322CL8BF243396	50,979	$4,713						
T3	82WFD	31	WUC	PCK-DPW	14	PICK UP	2018	01/31/04	$54,843	Chevrolet	Silverado 3500HD	On Order PO 181189	On Order	n/a						
T4	52WFD	31	WUC	PCK-DPW	14	PICK UP	2016	09/28/16	$53,749	Chevrolet	Silverado 3500 w/body & equipment	1GB3KYCG4GZ320205	14,693	$1,352						
T5	46WFD	31	WUC	PCK-DPW	14	PICK UP	2006	06/20/06	$20,939	Ford	F-150	1FTPX14546NB57564	7,917	$4,093			$ 45,230			

FIFTEEN ROPE FERRY ROAD

Town of Waterford

WATERFORD, CT 06385-2886

To: Linda Savitsky, Interim Director of Finance
From: Abby Y. Piersall, AICP, Planning Director
Date: October 26, 2017
RE: Change in value of assets for the 2019 Fleet Management Plan

Dear Ms. Savitsky,

I am requesting a change in the replacement value and anticipated replacement years for five vehicles assigned to Planning and Building. Given the relatively low mileage for these vehicles, I recommend postponing replacement to later dates. All vehicles in the department are in good operating condition.

The replacement values shown in the 2018 Fleet Management Plan were used to calculate new replacement values for future years. The 2018 values were increased by 3% per year for the number of years beyond the 2018 Plan Replacement Year. The lower the current mileage and annual usage was on a given vehicle, the more time was proposed for replacement.

Vehicle	2018 Plan Replacement Year	Proposed Replacement Year	2018 Plan Replacement Value	3% Annual Cost Increase	Number of Years Beyond 2018 Plan Replacement Year	Proposed Future Replacement Value
112 WFD 2011 Escape	2019	2027	$24,507	0.03	8	**$31,044.73**
103 WFD 2011 Ford Fusion	2019	2026	$28,732	0.03	7	**$35,336.74**
128 WFD 2012 Ford Fusion Hybrid	2021	2029	$34,500	0.03	8	**$43,703.57**
107 WFD 2012 Ford Fusion Hybrid	2020	2025	$34,110	0.03	5	**$39,542.84**
111 WFD 2012 Ford Fusion Hybrid	2020	2026	$34,110	0.03	6	**$40,729.12**

Sincerely,

Abby Y. Piersall, AICP
Planning Director

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

															18		21		14		13	16
															$ 1.06		$ 1.49		$ 0.96		$ 0.91	$ 1.27
															$1,057,220		$1,485,604		$ 961,763		$ 913,847	$ 1,274,568
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019		2020		2021		2022	2023
A10	112WFD		PZ/BH	CAR-DPW	8	CAR	2011	11/18/10	$18,433	Ford	ESCAPE	1FMCU9C7XBKA75810	20,190									
A3	103WFD		PZ/BH	CAR-DPW	8	CAR	2011	10/06/10	$19,658	Ford	FUSION	3FAHP0JGXBR129270	38,267									
A6	128WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	09/11/12	$27,238	Ford	FUSION HYBRID	3FADP0L38CR322155	18,216									
A7	107WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	10/13/11	$26,928	Ford	FUSION HYBRID	3FADP0L3XCR187566	48,986									
A9	111WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	10/13/11	$26,928	Ford	FUSION HYBRID	3FADP0L31CR187567	24,336									

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

														18		21		14	
														$ 1.06		$ 1.49		$ 0.96	
														$1,057,220		$1,485,604		$ 961,763	
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019		2020		2021	
A4	114WFD	4	Assessor	CAR-DPW	8	CAR	2003	06/23/03	$25,538	Ford	CROWN VICTORIA	2FAHP71W83X209380	86,505							

														13		16			
														$ 0.91		$ 1.27			
														$ 913,847		$ 1,274,568			
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2022		2023			
A4	114WFD	4	Assessor	CAR-DPW	8	CAR	2003	06/23/03	$25,538	Ford	CROWN VICTORIA	2FAHP71W83X209380	86,505							

Waterford Emergency Management

Memo

To: Daniel Steward, First Selectman

From: Stephen Bellos, Emergency Management Director

CC: Files

Date: 11/07/2017

Re: Variance to Fleet Management Program & Replacement Request

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This memo is in regards to the Emergency Management department is requesting a variance to the fleet management program and the replacement of the vehicle assigned to the department.

We are requesting that following marked police cars be replaced in the FYI 2018/2019:

Car #18- A 2008 Chevrolet Silverado 1500 pick-up truck with a mileage of 128,866 and a total repair cost of $12,670. The condition of this vehicle is hazardous due to the rust on the undercarriage of the vehicle and the body of the vehicle. This vehicle is replaceable every 8 years so it will be in-service until 2025.

Estimate

11/7/2017 7:46:42 AM

1HQ, Inc.
401 Elm Street
Marlborough MA 01752
(508) 573-2600

Estimate: QC00001022
Quote Date: 11/7/2017
Expiration Date: 2/5/2018

Customer: 10873 **Contact** **Salesperson**

WATERFORD EMERGENCY MANAGEMENT
15 ROPE FERRY RD

Sheehan, Marc

Quantity	Item		Unit Price		Extended Price
1	_TE				
EA	New Truck/SUV with Equipment Upfit				49,353.60
Contract	**Line Ref**	**Line Desc**	**Unit Price**	**Qty**	**Ext Price**
GBPC2016	U1G	2018 Ford Expedition EL	39,995.00	1	39,995.00
	102A	SSV - Equipment Group 102A	(1,916.00)	1	(1,916.00)
	G1	G1-Shadow Black	0.00	1	0.00
	Upgrade Engine	99T - 3.5L V6 EcoBoost Engine (Std)	0.00	1	0.00
	Warranty	Warranty - Standard Warranty Included	0.00	1	0.00
	18B	Runing Boards	395.00	1	395.00
	153	153 - License Plate Bracket	0.00	1	0.00
	50A	Fleet Pacakge	341.00	1	341.00
	47B	47B - Floor Liners, First and Second Row	67.90	1	67.90
	536	536 - Heavy-Duty Trailer Tow Package	1,522.00	1	1,522.00
	A-Hi-Graphics	Graphics A - Hi Intensity Package A:	695.00	1	695.00
	CCSRN36	CCSRN36 - CENCOM SIREN 8	1,095.40	1	1,095.40
	IONK1B	IONK1B - SWIVEL MOUNT KIT FOR	21.13	10	211.30
	IONR	IONR - ION LIGHT RED	167.40	10	1,674.00
	IW08UFXRW	IW08UFXRW - DUO INNER EDGE	1,269.20	1	1,269.20
	SA315P	SA315P - SPEAKER SIREN 100W	253.20	1	253.20
	SAK13	SAK13 - BRACKET SPEAKER	26.65	1	26.65
	SAM200012	SAM200012 - INVERTER SAM-2000-12	416.80	1	416.80
	UHF2150A	UHF2150A - FLASHER WIG WAG	118.15	1	118.15
	VTX609R	VTX609R - VERTEX SUPER-LED RED	139.75	4	559.00
	MHQ	MHQ CUSTOM WIRE HARNESS	195.00	1	195.00
	MHQ	MHQ SHOP SUPPLIES	395.00	1	395.00
	Total Hours: 30				
	MAPC/GBPC 2016				
	Total labor $:				2040

Sale Amount: 49,353.60
Sales Tax: 0.00

Total Amount: 49,353.60

TOWN OF WATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000 DATE: FIRST VEHICLE:: CAR18
ENDING VMRS CODE: 999-999-999 DATE: LAST VEHICLE: CAR18

UNIT: CAR18 LF MTR: 156340.0 CUR MTR: 156340.0 YR: 08 MAKE: CHEVY DEPT: PD SIZE: M CLASS: TRUCK FUEL: U

VMRS Code	DATE	WO NUM	LF-MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
013		TITLE >	BRAKES										
013-000-000	12242015	2030307	115500	115500	BRAKES		53.35	70.02	123.37	2.00 03	01	8	XX
013		TOTAL >	BRAKES				53.35	70.02	123.37				
017		TITLE >	TIRES,TUBES,LINERS										
017-011-000	02092015	2028911	109560	109564	TIRE PLUG		10.00	59.89	69.89	2.00 06	01	4	XX
017		TOTAL >	TIRES,TUBES,LINERS				10.00	59.89	69.89				
034		TITLE >	LIGHTING SYSTEM										
034-004-000	02012015	2028972	109560	109564	WIRING / REPAIR		0.00	30.71	30.71	1.50 07	01	4	XX
034-006-000	04252017	2032347	156340	156340	BULB, REPLACE EXTE		10.23	12.06	22.29	0.50 07	01	4	XX
034-018-000	04082015	2029375	109560	109564	HEADLAMP SEALED		15.95	20.47	36.42	1.00 07	01	4	XX
034		TOTAL >	LIGHTING SYSTEM				26.18	63.24	89.42				
051		TITLE >	GENERAL ACCESSORIES										
051-030-000	02142015	2029002	109560	109564	SEAT BELT ASSEMBLY		0.00	20.47	20.47	1.00 07	01	4	XX
051-030-000	02012015	2028972	109560	109564	SEAT BELT ASSEMBLY		71.25	20.47	91.72	1.00 07	01	4	XX
051		TOTAL >	GENERAL ACCESSORIES				71.25	40.94	112.19				
052		TITLE >	ELECTRICAL ACCESSRES										
052-000-000	02012015	2028972	109560	109564	ELECTRICAL ACCESSR		66.10	20.47	86.57	1.00 07	01	4	XX
052		TOTAL >	ELECTRICAL ACCESSRES				66.10	20.47	86.57				
066		TITLE >	PREVENTIVE MAINTENAN										
066-001-000	04252014	2028397	104470	104476	PM-A		51.66	40.94	92.60	2.00 0000000007			
066-001-000	10022013	2027429	101250	101251	PM-A		517.87	163.78	681.65	8.00 0000000007			
066-001-000	08092012	2025589	93410	93412	PM-A		735.46	384.17	1119.63	20.50 0000000007			
066-001-000	01232012	2024654	89950	89952	PM-A		46.86	91.12	137.98	4.00 0000000006			
066-002-000	11182016	2031583	156340	156340	PM-B		85.62	84.42	170.04	3.50 07	XX	8	XX
066-002-000	04262016	2030891	118020	118019	PM-B		174.26	257.49	431.75	9.00 05	XX	8	XX
066-002-000	12242015	2030307	115500	115500	PM-B		21.34	105.03	126.37	3.00 03	XX	8	XX
066-003-000	07132017	2032518	156340	156340	PM-C		541.13	1166.97	1708.10	39.00 04	XX	8	XX
066-003-000	07172015	2029865	115500	115500	PM-C		927.27	163.76	1091.03	8.00 07	XX	8	XX
066-003-000	01232015	2028784	108750	108753	PM-C		99.03	40.94	139.97	2.00 07	XX	8	XX
066		TOTAL >	PREVENTIVE MAINTENAN				3200.50	2498.62	5699.12				
099		TITLE >	ROAD CALL TRAVEL TIM										
099-000-000	04112013	2026795	97670	97673	ROAD CALL TRAVEL T		97.67	74.96	172.63	4.00 0000000007			

TOWN OF W..TERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: CAR18
VEHICLE: CAR18

UNIT: CAR18	LF MTR: 156340.0		CUR MTR: 156340.0		YR: 08 MAKE: CHEVY		DEPT: PD		SIZE: M CLASS: TRUCK		FUEL: U
VMRS Code	DATE	WO NUM	LF-MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC RC WA
099-000-000	02142012	2024765	90170	90179	ROAD CALL TRAVEL T		94.19	45.56	139.75	2.00 0000000006	
099-001-000	05272016	2031016	118470	118470	ROAD SERVICE ROAD		202.51	114.44	316.95	4.00 06	01 10 XX
099-001-000	04132016	2030827	117740	117738	ROAD SERVICE ROAD		0.00	163.50	163.50	6.00 05	01 10 XX
099-007-000	03312014	2028284	0	0	ONSPOTS ONSPOT INS		168.58	40.94	209.52	2.00 0000000007	
099-007-000	03152014	2028241	103880	103883	ONSPOTS ONSPOT INS		3547.31	63.52	3610.83	2.00 0000000004	
099-007-000	02262014	2028188	104130	104133	ONSPOTS ONSPOT INS		5.31	153.54	158.85	7.50 0000000007	
099-007-000	02102013	2026528	0	0	ONSPOTS ONSPOT INS		13.12	17.09	30.21	0.50 0000000006	
099-009-000	06282016	2031149	119030	119025	DIAGNOSIS		0.00	228.88	228.88	8.00 06	01 4 XX
099-009-000	12242015	2030307	115500	115500	DIAGNOSIS		0.00	70.02	70.02	2.00 03	01 8 XX
099-018-000	11302016	2031755	122560	122558	TRANSPORT VEHICLES		20.00	60.30	80.30	2.50 07	01 12 XX
099-041-000	02022016	2030520	156340	156340	REPAIRS		85.26	163.50	248.76	6.00 06	01 4 XX
099		TOTAL >	ROAD CALL TRAVEL TIM				4233.95	1196.25	5430.20		

TOWN OF WATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: CAR18
VEHICLE: CAR18

METER: STANDARD **SUBTOTALS OF VMRS CODES FOR DIVISION > AL** **PERIOD: LIFE**

VMRS CODE		QUANTITY	LABOR HRS	LABOR COST	PARTS COST		TOTAL COST	PERCENT	TOT COST /METER
013	BRAKES	1	2.00	70.02	53.35		123.37	1.06%	0.00079
017	TIRES,TUBES,LINERS	1	2.00	59.89	10.00		69.89	0.60%	0.00045
034	LIGHTING SYSTEM	3	3.00	63.24	26.18		89.42	0.77%	0.00057
051	GENERAL ACCESSORIES	2	2.00	40.94	71.25		112.19	0.97%	0.00072
052	ELECTRICAL ACCESSRES	1	1.00	20.47	66.10		86.57	0.75%	0.00055
066	PREVENTIVE MAINTENANCE	10	99.00	2498.62	3200.50		5699.12	49.08%	0.03645
099	ROAD CALL TRAVEL TIME	12	46.50	1196.25	4233.95		5430.20	46.77%	0.03473
	TOTALS:	30	155.50	3949.43	7661.33	**TOT:**	11610.76	100.00%	0.07427

FLEET MANAGEMENT PLAN

Fire Services

The following vehicles have been designated for replacement in the FY19 Fleet Management Plan:

Utility Vehicle – Quaker Hill (W-26)

This vehicle is a 2006 Ford F-350 that has been housed at the Quaker Hill Fire Station since February of 2006. The replacement of this vehicle is at the projected 12 years as designated by the fleet management plan. The vehicle is showing more wear and tear of any unit of its age and currently has approximately 43,000 miles. This unit has reached its life expectancy for fire service usage. This unit will be replaced with a standard gasoline powered pick-up truck with a plow.

Utility Vehicle – Oswegatchie (W-46)

This vehicle is a 2006 Ford F-350 that has been housed at the Oswegatchie Fire Station since January of 2006. The replacement of this vehicle is at the projected 12 years as designated by the fleet management plan. The vehicle is showing more wear and tear of any unit of its age and currently has approximately 61,500 miles. This unit has reached its life expectancy for fire service usage. This unit will be replaced with a standard gasoline powered pick-up truck with a plow.

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

															2	1	1	0	2
															$ 0.11	$ 0.05	$ 0.56	$ -	$ 0.11
															$ 106,479	$ 54,030	$ 563,410	$ -	$ 112,972
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019	2020	2021	2022	2023
W-500	1360	COH	Cohanzie Fire Company	9999	0	Do Not Replace	2009	05/20/09	$197,469	Ford	Ambulance	1FDAF56R59EA45856	63,129 / 5,219						
W-51	346WFD	COH	Cohanzie Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2016	04/11/16	$543,200	E-One	Custom Pumper	4EN6AAA8XG1009830	6,490 / 434						
W-53	347WFD	COH	Cohanzie Fire Company	BRS-F	20	BRUSH TRUCK (FIRE)	2009	05/13/09	$95,854	Ford	Super Duty F-550	1FDAW57R29EA35364	6,737 / 1,003						
W-55	348WFD	COH	Cohanzie Fire Company	T&A-F	20	TOWER LADDER/AERIAL (FIRE)	2004	12/29/04	$667,929	SUTPHEN	Ladder Truck	1S9A7LLD442003078	25,926 / 3,190						
W-56	349WFD	COH	Cohanzie Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2011	10/12/10	$47,426	Ford	F350	1FT8X3BT6BEA81633	31,425 / 1,947						$ 69,647
W-57	350WFD	COH	Cohanzie Fire Company	SPC-F	20	SPECIALTY UNIT (FIRE)	2010	10/05/10	$511,983	Ferrara Igniter Custom	Rescue Truck	1F9505328AH140755	2,520 / 1,468						
W-600	1340	GOS	Cohanzie Fire Company	9999	0	Do Not Replace	2002	09/27/02	$140,000	Ford	Ambulance	1FDXE45F92HA21112							$ 43,325
Car 115 (Q115)	115WFD	23/FM	FIRE MARSHAL	SUV-DPW	8	SUV	2015	06/19/15	$33,333	Ford	UTILITY INTERCEPTOR	1FM5K8AR6FGB52372	13,742						
Car 55 (Q55)	55WFD	23/FM	FIRE MARSHAL	PCK-F	10	PICKUP AND JEEP (FIRE)	2013	11/16/12	$31,620	Ford	F150 PICKUP (with cap)	1FTFW1EFXDKD31481	56,716						
Car 85 (Q85)	85 WFD	23/FM	FIRE MARSHAL	CAR-F	8	SUV	2016	02/26/16	$43,884	Ford	EXPEDITION	1FMJU1JT9GEF29608	29,011						
Boat Trailer	1957	GOS	Goshen Fire Company	TRL-F	20	TRAILER (FIRE)	2017	06/03/16	$8,749	Shore Lander	Boat Trailer	1MDAVA121HA609182							
W-300	589	GOS	Goshen Fire Company	9999	0	Do Not Replace	2012	08/01/12	$190,000	GMC	Ambulance	1GD675CL7C1154336	25,036 / 1,572						
W-31	1303	GOS	Goshen Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2014	07/25/13	$486,826	KME Custom	Pumper	1K9AF4281EN058620	8,589 / 719						
W-32	371	GOS	Goshen Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	1998	02/23/99	$307,935	Spartan	1,500 GPM Pumper	4S7AT419XWC026143	13,439 / 3,405				$ 563,410		
W-34	2654	GOS	Goshen Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2012	03/01/12	$58,114	Ford	F450	1FDUF4HT2CEA51122	5,898 / 455						
W-36	1494	GOS	Goshen Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2007	08/29/06	$36,973	Ford	F350 pickup	1FTWW31P17EA67953	42,848 / 1,837			$ 54,030			
W-93	N/A	GOS	Goshen Fire Company	BOT-F	30	BOAT (FIRE)	2007	06/29/07	$103,334	Lake Assault	24' Landing Craft	LKKGFD93G707	8,336/8,206						
W-100	600	JOR	Jordan Fire Company	9999	0	Do Not Replace	2011	09/28/11	$210,000	Dodge	4500 ST Ambulance	3D6WA6EL7BG559048	51,846 / 4,454						
W-11	1451	JOR	Jordan Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2014	12/05/14	$458,400	Typhoon	1,500 GPM Pumper	4EN6AAA80E1008750	10,494 / 863						
W-15	1454	JOR	Jordan Fire Company	T&A-F	20	TOWER LADDER/AERIAL (FIRE)	2016	07/28/17	$998,854	Pierce	Arrow XT Ladder Truck	4P1BCAGF1GA016140	8,326 / 370						
W-16	1484	JOR	Jordan Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2005	04/22/05	$43,594	Ford	F350	1FTWW31P15EC55708	82,118 / 4,297						
W-400	589	OSW	Oswegatchie Fire Company	9999	0	Do Not Replace	2008	01/08/08	$192,378	Ford	F-550 4x4 Ambulance	1FDAF57R18EC19192	82,559 / 6,047						
W-41	1103	OSW	Oswegatchie Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	1998	02/16/99	$279,030	Spartan	1,500 GPM Pumper	4S7AT2294WC026142	31,301 / 4,105						
W-42	1349	OSW	Oswegatchie Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2007	05/14/08	$416,793	Seagrave	1,500 Marauder Pumper	1F9ES28T97CST2165	21,819 / 2,128						
W-43	1026	OSW	Oswegatchie Fire Company	BRS-F	20	BRUSH TRUCK (FIRE)	2006	06/06/06	$125,245	Ford	F550 Brush Truck	1FDAX57P66ED51762	10,000 / 980						
W-46	1348	OSW	Oswegatchie Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2006	01/23/06	$44,606	Ford	F350	1FDWW31P96EB60911	61,355 / 3,077	$12,349	$ 51,557				
W-94	1347	OSW	Oswegatchie Fire Company	SPC-F	20	SPECIALTY UNIT (FIRE)	1988	09/15/89	$275,093	Simon	Duplex	1D91P11J3J1008891	30,250 / 5,181						
W-200	590	QH	Quaker Hill Fire Company	9999	0	Do Not Replace	2016	07/08/16	$208,527	Ford	G4500 LIFE LINE AMBULANCE	1GD67UCLXG1215341	8,238 / 413						
W-21	N/A	QH	Quaker Hill Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2006	10/02/06	$396,447	Ferrara	Igniter Custom Pumper	1F94047266H140373	24,916 / 2,403 hrs						
W-23	1025	QH	Quaker Hill Fire Company	BRS-F	20	BRUSH TRUCK (FIRE)	2006	07/01/06	$125,245	Ford	F550 Brush Truck	1FDAX57P86ED51763	6,344 / 1,023						
W-25	N/A	QH	Quaker Hill Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2016	06/17/16	$781,812	Spartan	Gladiator TeleSquirt Pumper	4S7AV2E94FC080868	3,646 / 310						

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

														2	1	1	0	2
														$ 0.11	$ 0.05	$ 0.56	$ -	$ 0.11
														$ 106,479	$ 54,030	$ 563,410	$ -	$ 112,972
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019	2020	2021	2022	2023
W-26	1285	QH	Quaker Hill Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2006	02/01/06	$44,076	Ford	F350	1FDWW31P76EB60910	42, 825 / 2,721	$15,099	$ 54,922				

Gail Miller

From: Bruce Miller
Sent: Thursday, October 26, 2017 12:37 PM
To: Gail Miller
Subject: Fleet Management
Attachments: FLEET MANAGEMENT PLAN FY19.doc; Fire Services FY19 Fleet Replacement Plan.xls

Waterford Police Department

Memo

To: Gail Miller

From: Chief Brett Mahoney

CC: Files

Date: 10/20/2017

Re: Fleet Management Plan, Replacement Request, and Request for a Variance to the Plan for FY 2019

We are requesting that following police vehicles be pushed out for replacement in FY 20:

Car #29- An unmarked 2014 Chevrolet Caprice with 44,171 miles and a total repair cost of $1,954. This vehicle has low miles, low repair costs, and is in good condition.

Car #24- An unmarked 2011 Ford Taurus with 82,053 miles and a total repair cost of $3,129. This vehicle is assigned to the Detective Sergeant and doesn't accumulate miles as rapidly as vehicles which are used for patrol. The vehicle has low repair costs and is in good condition.

Car #14- A marked 2014 Chevrolet Caprice with 41,935 miles and a total repair cost of $2,494. This vehicle has low miles, low repair costs, and is in good condition. This vehicle has low mileage due to it having been out of service for an extended period of time for an electronic problem that was related to the police radio and emergency lights/siren. The electronic problem has been resolved and it didn't have an impact on the mechanical operation of the vehicle.

We are requesting that following police patrol vehicles be replaced in the FY 2019:

*It should be noted that these vehicles will remain in service for at least an additional twelve months and will accumulate approximately 25,000 more miles as well as require additional repairs.

Car #22- A marked 2015 Ford Police Interceptor Utility patrol vehicle with 90,963 miles and a total repair cost of $6,475.53. The Fleet Plan calls for this vehicle to be replaced in FY 2023, however due to the high mileage and repair costs we are requesting that the vehicle be replaced in FY 2019. Historically, "Car #22" was a special service four wheel drive vehicle in the fleet and as a result of it not being a regularly used patrol vehicle it didn't accumulate miles. As a special service vehicle it was scheduled to be replaced every eight years. Now that this vehicle is a regularly used patrol vehicle, it should be reclassified to a five year replacement like the other patrol vehicles. Please see the attached maintenance reports for detailed repair data. The Fleet Plan shows a replacement cost for this vehicle to be $53,747. The projected cost to replace this vehicle with another Ford Police Interceptor Utility is $48,364.30. The projected cost includes emergency lighting/siren equipment, installation of the equipment, and placement of decals. The cost was determined by using quotes that were obtained to replace a vehicle (Car #3) in FY 2018. Three percent was added to the cost to adjust for inflation. Please see the attached quotes for the cost breakdown.

Car #2- A marked 2011 Ford Crown Victoria (K-9 unit) with 80,251 miles and a total repair cost of $4,370.03 The Fleet Plan calls for this vehicle to be replaced in FY 2020. This vehicle is a K-9 unit which is no longer needed as the K-9 is retiring from service. As the result of having been a K-9 vehicle for six years, the interior is in poor condition. Although the repair costs are low, it is the last Crown Victoria in the fleet and we don't want to have to maintain an inventory of parts, tires, etc that are unique to just this vehicle. For the above-mentioned reasons we are requesting that the vehicle be replaced FY 2019. The projected cost to replace this vehicle with a Ford Police Interceptor Utility is $48,364.30. The projected cost includes emergency lighting/siren equipment, installation of the equipment, and placement of decals. The cost was determined by using quotes that were obtained to replace a vehicle (Car #3) in FY 2018. Three percent was added to the cost to adjust for inflation. Please see the attached quotes for the cost breakdown.

Car #1- An unmarked 2014 Chevrolet Caprice with 81,238 miles and a total repair cost of $9,715.83. The Fleet Plan calls for the replacement of this vehicle in FY 2019 and we are requesting that it be replaced on schedule as it is only

in fair condition, has high mileage, and high repair costs. The Caprice line of police vehicles has been discontinued and they are no longer available. Upon polling the officers we determined that numerous officers preferred a sedan patrol vehicle as opposed to the utility. In an effort to keep these officers in a vehicle that they are more comfortable and confident in operating, we are requesting that this vehicle be replaced with a Ford Police Interceptor Sedan. In addition, the sedans are less expensive and require less equipment. The Fleet Plan shows a replacement cost of $33,150. The projected cost to replace this vehicle is $38,896.19. The projected cost includes emergency lighting/siren equipment and the installation of the equipment. The cost was determined by obtaining quotes in October of 2017 and adding three percent to adjust for inflation. Please see the attached quotes for the cost breakdown.

Car #12- A marked 2014 Chevrolet Caprice with 70,102 miles and a total repair cost of $6,493.36. The Fleet Plan calls for the replacement of this vehicle in FY 2019 and we are requesting that it be replaced on schedule as it is only in fair condition, has high mileage, and high repair costs. We are requesting that this vehicle be replaced with a Ford Police Interceptor Sedan. The Fleet Plan shows a replacement cost of $33,500. The projected cost to replace this vehicle is $40,621.44. The projected cost includes emergency lighting/siren equipment, installation of the equipment, and placement of decals. The cost was determined by obtaining quotes in October of 2017 and adding three percent to adjust for inflation. Please see the attached quotes for the cost breakdown.

Car #9- A marked 2014 Chevrolet Caprice with 80,4549 miles and a total repair cost of $9,059.85. The Fleet Plan calls for the replacement of this vehicle in FY 2019 and we are requesting that it be replaced on schedule as it is only in fair condition, has high mileage, and high repair costs. We are requesting that this vehicle be replaced with a Ford Police Interceptor Sedan. The Fleet Plan shows a replacement cost of $33,500. The projected cost to replace this vehicle is $40,621.44. The projected cost includes emergency lighting/siren equipment, installation of the equipment, and placement of decals. The cost was determined by obtaining quotes in October of 2017 and adding three percent to adjust for inflation. Please see the attached quotes for the cost breakdown.

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

																20	23
																$ 1.11	$ 1.55
																$ 1,110,459	$ 1,553,824
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs		2019	2020
ATV 1		29	POLICE	ATV-PD	10	ALL TERRAIN VEHICLE	2007	06/11/08	$5,485	KAWASAKI	MULE OFF ROAD UTILITY VEHICLE	JK1AFEA127B534391	366				
ATV 2		29	POLICE	ATV-PD	10	ALL TERRAIN VEHICLE	2017	06/14/17	$6,044	POLARIS	A17SEA57A5 ATV	4XASEA571HA071534	1				
ATV 3		29	POLICE	ATV-PD	10	ALL TERRAIN VEHICLE	2017	06/14/17	$6,044	POLARIS	A17SEA57A5 ATV	4XASEA571HA085837	1				
CAR 1	377MHN	29	POLICE	CRU-DPW	5	CRUISER	2014	05/13/14	$32,092	Chevrolet	Caprice	6G3NS5R26EL956920	81,238	$9,149		$ 33,150	
CAR 10	10WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/21/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR7GGB89111	36,357	$2,522			
CAR 101	54WFD	29	POLICE	9999	0	Do Not Replace	1985	04/29/13	Donated	Humvee	1 1/4-ton Utility Vehicle (Military Surplus)	011418					
CAR 11	11WFD	29	POLICE	SUV-DPW	8	SUV	2016	05/31/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR3GGB89106	31,425	$2,432			
CAR 12	12WFD	29	POLICE	CRU-DPW	5	CRUISER	2014	06/06/14	$32,390	Chevrolet	Caprice	6G3NS5R31EL962648	70,102	$6,493		$ 33,500	
CAR 13	13WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/07/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR1GGB89105	36,961	$2,566			
CAR 14	14WFD	29	POLICE	CRU-DPW	5	CRUISER	2014	06/06/14	$32,390	Chevrolet	Caprice	6G3NS5R37EL962766	41,935	$2,494		$ 33,150	
CAR 15	15WFD	29	POLICE	SUV-DPW	8	Pick -up Truck	2017	01/25/17	$42,579	Chevrolet	SILVERADO 4WD CREW CAB	3GCUKNEC4HG276068	5,135	$117			
CAR 16	16WFD	29	POLICE	SUV-DPW	8	SUV	2015	10/28/14	$33,983	Ford	EXPLORER	1FM5K8AR9FGA94449	57,531	$6,810			
CAR 17	17WFD	29	POLICE	9999	0	Do Not Replace	1981	01/02/81	$16,901	Chevrolet	CORVETTE (Drug Forfeiture)	1G1AY8764BS410774					
CAR 19	19WFD	29	POLICE	SUV-DPW	8	SUV	2016	05/02/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR5GGB89110	42,203	$3,347			
CAR 2	2WFD	29	POLICE	CRU-DPW	5	CRUISER	2011	07/19/11	$21,631	Ford	CROWN VICTORIA	2FABP7BV1BX173221	80,251	$4,370			$ 27,400
CAR 20	AB38068	29	POLICE	SUV-DPW	8	SUV	2016	10/30/15	$33,554	Ford	Explorer	1FM5K8AR7GGB19608	~~387,068~~	$3,636			
CAR 21	21WFD	29	POLICE	SUV-DPW	8	SUV	2011	11/14/11	$28,553	Ford	EXPEDITION	1FMJU1G55BEF53860	32,652	$2,204			$ 36,170
CAR 22	22WFD	29	POLICE	SUV-DPW	8	SUV	2015	11/18/14	$42,428	Ford	Explorer Police AWD	1FM5K8AR7FGA94448	90,963	$6,476			
CAR 23	932PHE	29	POLICE	SUV-DPW	8	CAR	2017	01/31/17	$32,722	Ford	EXPLORER	1FM5K8AR5HGB83275	3,887	$0		$ 39,047	
CAR 24	931PHE	29	POLICE	CAR-DPW	8	CAR	2011	12/23/10	$23,976	Ford	TAURUS	1FAHP2HW1BG145602	82,053	$3,129		$ 39,047	
CAR 25	583UTH	29	POLICE	SUV-DPW	8	SUV	2014	07/17/14	$28,175	Ford	Utility Interceptor AWD	1FM5K8AR9EGA50496	26,890	$1,220			
CAR 26	584UTH	29	POLICE	SUV-DPW	8	SUV	2014	07/17/14	$28,403	Ford	Utility Interceptor AWD	1FM5K8AR5EGA76240	38,708	$518			
CAR 27	873PJK	29	POLICE	SUV-DPW	8	SUV	2017	10/17/16	$34,879	Ford	Explorer Police AWD	1FM5K8AR6HGA79474	5,528	$0			
CAR 28	8AMLP7	29	POLICE	SUV-DPW	8	SUV	2015	10/07/14	$34,115	Ford	Explorer Police AWD	1FM5K8AR0FGA89060	26,590	$925			

Con20 = 24,297

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

															20	23
															$ 1.11	$ 1.55
															$ 1,110,459	$ 1,553,824
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019	2020
CAR 29	935GHH	29	POLICE	CRU-DPW	5	CRUISER	2014	05/13/14	$30,658	Chevrolet	Caprice	6G3NS5R34EL958190	44,171	$1,954	$ 35,541	
CAR 3	3WFD	29	POLICE	CAR-DPW	8	CAR (requesting SUV)	2011	07/13/11	$21,631	Ford	Crown Victoria	2FABP7BV5BX173223	106,266	$7,249		moved fy18
CAR 30	156MCM	29	POLICE	CAR-DPW	8	CAR (requesting SUV)	2010	11/30/09	$23,086	Ford	TAURUS	1FAHP2DW1AG112586	78,510	$2,918		
CAR 31	AB38069	29	POLICE	SUV-DPW	8	SUV	2016	10/30/15	$33,977	Ford	Explorer Police AWD	1FM5K8AR9GGB19609	25,996	$623		
CAR 33	236DJW	29	POLICE	9999	0	Do Not Replace	2005	02/21/14	$10,800	Honda	Accord (Asset Forfeiture)	1HGCM66845A04811				
CAR 34	236DJW	29	POLICE	9999	0	Do Not Replace	2002	02/21/14	$5,875	Honda	Civic (Asset Forfeiture)	2HGES26792H561129				
CAR 4	4WFD	29	POLICE	SUV-DPW	8	SUV	2016	05/31/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR9GGB89109	22,748	$937		
CAR 5	5WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/04/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR7GGB89108	42,727	$2,033		
CAR 6	6WFD	29	POLICE	SUV-DPW	8	SUV	2015	11/07/14	$36,885	Chevrolet	Tahoe	1GNSK3EC4FR306315	68,280	$5,196		
CAR 7	7WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/04/16	$46,719	Ford	Explorer Police AWD	1FM5K8AR9GGB89112	24,502	$1,584		
CAR 8	8WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/07/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR5GGB89107	32,889	$1,934		
CAR 9	9WFD	29	POLICE	CRU-DPW	5	CRUISER	2014	06/06/14	$53,565	Chevrolet	Caprice	6G3NS5R36EL962693	80,459	$9,060	$ 33,500	
CV1	118WFD	29	POLICE	9999	0	Do Not Replace	1998	08/23/98	$135,769	Ford	E450 Command Vehicle	1FDXE40F2WHB92670				
PD1	152WFD	29	POLICE	BOX-DPW	20	BOX TRAILER	1993	01/02/93	$3,282	CROSS	59 TRAILER	1C9FS0917P1431062	n/a			
PD2	N/A	29	POLICE	BOT-PD	30	Boat (Police)	2012	03/02/12	$462,696	Sea Ark Marine 2810V	28' Stainless Alum Patrol BOAT AND PROPULSION PKG	SAMA2026H111	1,575			

MHQ
VEHICLES & EQUIPMENT & GEAR

Quotes for projected replacement cost of CAR #22 + CAR #2

CUSTOMER Waterford Police Department

Contact Name:	Sgt. Andrew Farrior	Date:	9/21/2017
Company/Dept:	Waterford Police Department	Valid for:	60 Days*
Street Address:	41 Avery Lane	Customer #:	
City, State, Zip:	Waterford, CT	Contract:	12PSX0033
Phone:		Sales Rep:	Marc Sheehan
E-Mail:	Car 3 - Patrol		

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
K8A	2018 Ford Police Interceptor Utility	$26,723.00	1	$26,723.00
G1	Shadow Black	$0.00	1	$0.00
153	License Plate Bracket	$0.00	1	$0.00
51T	Whelen LED Spot Light	$382.20	1	$382.20
17T	Dome Light	$45.50	1	$45.50
53M	Synch	$275.00	1	$275.00
18W	Rear Window Power Delete	$22.75	1	$22.75
59B	Fleet Key - 1284X	$45.50	1	$45.50
60R	Noise Suppression	$95.00	1	$95.00
43D	Dark Car Feature	$18.20	1	$18.20
68G	Rear Doors Handles INOP	$31.85	1	$31.85
76R	Reverse Sensing	$270.00	1	$270.00
86P	Front Headlight Prep Package	$121.00	1	$121.00
MCRNSB	Surface Mount Micron - Blue	$92.82	1	$92.82
MCRNSR	Surface Mount Micron - Red	$92.82	1	$92.82
IONR	Red ION	$107.10	2	$214.20
IONB	Blue ION	$107.10	2	$214.20
IONK1B	ION Mounting Bracket	$19.34	2	$38.68
SFIONR	Red Spitfire ION	$109.48	1	$109.48
SFIONB	Blue Spitfire ION	$109.48	1	$109.48
VTX609R	Red Vertex	$65.00	2	$130.00
VTX609C	Clear Vertex	$65.00	2	$130.00
MBFX11JJ	Red/Blue Mirror Beams	$235.03	1	$235.03
IW8MHQ4	Red/Blue Lightbar w/Takedown, Alley & TA	$2,727.48	1	$2,727.48
SA315P	Siren Speaker	$160.00	1	$160.00
SAK52	Siren Speaker Mounting Bracket	$24.40	1	$24.40
CANWC1	Cantrol	$1,187.03	1	$1,187.03
CANLITEB	Cantrol Light Sensor	$39.27	1	$39.27
CANCTL	Cantrol Control Head	$0.00	1	$0.00
CMC	Mic Clip	$7.39	3	$22.17
CMCB	Mic Clip Bracket	$9.40	3	$28.20
CVS2400INUT1	24" Console for Police Interceptor	$314.04	1	$314.04
CARM103	Arm Rest	$77.49	1	$77.49
CCUP2I	Cup Holder	$28.21	1	$28.21
OPFIU204024DY	Stacked 2 Drawer OPS Storage System	$2,736.29	1	$2,736.29
I2D	Red/Clear ION	$120.79	1	$120.79
I2E	Blue/Clear ION	$120.79	1	$120.79
CFP4	4" Filler Plate	$9.56	1	$9.56
CGX	Charge Guard	$69.30	1	$69.30
CEB40CCS1P	1 Piece Equipment Mounting Bracket	$22.79	1	$22.79
CEB30EOR1P	1 Piece Equipment Mounting Bracket	$20.58	1	$20.58
CAP0695L	6" Accessory Pocket w/Hinged Lock	$98.74	1	$98.74
NMOKUD25MPL	25" Antenna Cable	$24.00	1	$24.00
P1826UINT13AOSB	Dual Compartment Procell w/Outboard Seat Belts	$3,107.70	1	$3,107.70
BK2017ITU16-RB	PB450L2 - Pushbumper w/2 Lights	$611.15	1	$611.15
TA2505PIU	Twin Arm System for Interceptor	$498.42	1	$498.42
AP2X4	Adaptor Plate	$49.50	1	$49.50
75713	Stinger Flashlight	$153.00	1	$153.00
V23RTPB	V Series Light, Red	$167.79	1	$167.79
V23BTPB	V Series Light, Blue	$167.79	1	$167.79
Paint	Paint 4 Doors Only	$950.00	1	$950.00
			TOTAL:	$42,933.19

TERMS AND CONDITIONS

*This quote is valid for 60 days from the date of quote. Any purchase orders or approved quotes received outside of the 60 day quote period will be subject to price adjustments. By signing this quote, the customer is agreeing to pay, in full, for all items listed above. Any requests for changes, modifications, replacements, removals or additional items may be subject to additional fees and/or adjusted delivery dates.

The terms and conditions stated herein and the provisions of any agreement between MHQ and Buyer, if applicable, shall constitute the complete and only terms

ORDER ACKNOWLEDGEMENT

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

x _____
PRINT NAME

x _____
TITLE

x _____
SIGNATURE

Quote provided by Marc Sheehan, Fleet Account Manager at MHQ

critical SIGNS AND MORE
www.Critical-Signs.com

tel. 860.443.7446
fax. 860.437.7444
1068 Hartford Turnpike
Waterford, CT 06385

Estimate

Date	Estimate #
9/27/2017	1763

Name / Address
Waterford Police Department 41 Avery Lane Waterford CT 06385

Decals

Project

Description	Qty	Cost	Total
Ford Utility vehicle to have complete police lettering package- no white door wrapping like the other vehicles in fleet- customer provided white doors	1	725.00	725.00

Subtotal	$725.00
Sales Tax (6.35%)	$0.00
Total	$725.00

COMPETITIVE SERVICE SOLUTIONS LLC.

21 Concord Circle
Wethersfield, CT 06109
860-402-8555
Steven.Hershman@competitiveservicesolutions.com

Estimate

Date	Estimate #
9/21/2017	1605

Lights / Siren Install

Name / Address
Waterford Police Department Attn: Lt. Belloas 41 Avery Lane Waterford,CT. 06385

P.O. No.

Item	Description	Hours	U/M	Rate	Total
LABOR-NON T...	Non Taxable Labor 2017 FORD PI SUV Installation of customer supplied equipment into new vehicle. Labor to include install of camera as well.	40	hr	68.00	2,720.00
Shop Supplies	Misc. Material to include connectors,wire,hardware	1	ea	250.00	250.00T
BLUESEA	Split Fuse Block	2	ea	75.00	150.00T
VF4	12 Volt Relay 30 Amp	3	ea	6.00	18.00T
304326	25' Antenna Cable with connector	1	ea	46.52	46.52T
32475	TNC Female crimp RG58	1	ea	6.92	6.92T
Travel Charge	Travel Charge for on-site service	1	ea	100.00	100.00T
PLSW15	BLUE LED BULLY SWITCH	1	ea	6.00	6.00T

Thank you for choosing Competitive Service Solutions LLC. We are committed to providing excellent products and services to our customers. Warranty on all labor provided is covered for ninety days from work date completed. All material is covered by manufacture's warranty.

www.competitiveservicesolutions.com

Subtotal	$3,297.44
Sales Tax (0.0%)	$0.00
Total	$3,297.44

MHQ
VEHICLES ■ EQUIPMENT ■ GEAR

CUSTOMER	Waterford Police Department		
Contact Name:	Sgt. Andrew Farrior	Date:	9/21/2017
Company/Dept:	Waterford Police Department	Valid for:	60 Days*
Street Address:	41 Avery Lane	Customer #:	
City, State, Zip:	Waterford, CT	Contract:	12PSX0033
Phone:		Sales Rep:	Marc Sheehan
E-Mail:	Sedan		

Quotes for projected replacement cost of CAR# 9 CAR# 1 [redacted] CAR #12

CONTRACT LINE REFERENCE	LINE DESCRIPTION	UNIT PRICE	QTY.	EXTENDED PRICE
P2M	2018 Ford PI Sedan	$23,489.03	1	$23,489.03
G1	Shadow Black	$0.00	1	$0.00
153	License Plate Bracket	$0.00	1	$0.00
21L	Whelen LED Spot Light	$341.00	1	$341.00
53M	Synch	$288.00	1	$288.00
67D	Rear Window Power Delete	$22.75	1	$22.75
43B	Fleet Key - 1284X	$45.50	1	$45.50
20P	Noise Suppression	$94.00	1	$94.00
13C	Dark Car Feature	$18.20	1	$18.20
18G	Rear Doors Handles INOP	$31.85	1	$31.85
76R	Reverse Sensing	$302.00	1	$302.00
13P	Front Headlight Prep Package	$118.00	1	$118.00
IONR	Red ION	$107.10	2	$214.20
IONB	Blue ION	$107.10	2	$214.20
IONK1B	ION Mounting Bracket	$19.34	2	$38.68
SFIONR	Red Spitfire ION	$109.48	1	$109.48
SFIONB	Blue Spitfire ION	$109.48	1	$109.48
VTX609R	Red Vertex	$65.00	2	$130.00
VTX609C	Clear Vertex	$65.00	2	$130.00
MBFX11JJ	Red/Blue Mirror Beams	$235.03	1	$235.03
IW8MHQ4	Red/Blue Lightbar w/Takedown, Alley & TA	$2,727.48	1	$2,727.48
SA315P	Siren Speaker	$160.00	1	$160.00
SAK52	Siren Speaker Mounting Bracket	$24.40	1	$24.40
CANWC1	Cantrol	$1,187.03	1	$1,187.03
CANLITEB	Cantrol Light Sensor	$39.27	1	$39.27
CANCTL	Cantrol Control Head	$0.00	1	$0.00
CMC	Mic Clip	$7.39	3	$22.17
CMCB	Mic Clip Bracket	$9.40	3	$28.20
cvs1308INSE	24" Console for Police Interceptor	$207.00	1	$207.00
CARM103	Arm Rest	$77.49	1	$77.49
CCUP2I	Cup Holder	$28.21	1	$28.21
I2D	Red/Clear ION	$120.79	1	$120.79
I2E	Blue/Clear ION	$120.79	1	$120.79
CFP4	4" Filler Plate	$9.56	1	$9.56
CGX	Charge Guard	$69.30	1	$69.30
CEB40CCS1P	1 Piece Equipment Mounting Bracket	$22.79	1	$22.79
CEB30EOR1P	1 Piece Equipment Mounting Bracket	$20.58	1	$20.58
CAP0695L	6" Accessory Pocket w/Hinged Lock	$98.74	1	$98.74
NMOKUD25MPL	25" Antenna Cable	$24.00	1	$24.00
P1000INT13AOSB	Half Cage Procell w/Outboard Seat Belts	$1,899.00	1	$1,899.00
BK2017ITU16-RB	PB450L2 - Pushbumper w/2 Lights	$611.15	1	$611.15
TA2505PIU	Twin Arm System for Interceptor	$498.42	1	$498.42
AP2X4	Adaptor Plate	$49.50	1	$49.50
75713	Stinger Flashlight	$153.00	1	$153.00
V23RTPB	V Series Light, Red	$167.79	1	$167.79
V23BTPB	V Series Light, Blue	$167.79	1	$167.79
Paint	Paint 4 Doors Only	$950.00	1	$950.00
			TOTAL:	$35,415.85

* For CAR#1 deduct $950 for paint and $725 for decals as it will remain unmarked *

TERMS AND CONDITIONS

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ORDER ACKNOWLEDGEMENT

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x _____
PRINT NAME

x _____
TITLE

x _____
SIGNATURE

Quote provided by Marc Sheehan, Fleet Account Manager at MHQ

critical SIGNS AND MORE
www.Critical-Signs.com

tel. 860.443.7446
fax. 860.437.7444
1068 Hartford Turnpike
Waterford, CT 06385

Estimate

Date	Estimate #
9/27/2017	1763

Name / Address
Waterford Police Department 41 Avery Lane Waterford CT 06385

Decals

Project

Description	Qty	Cost	Total
Ford Utility vehicle to have complete police lettering package- no white door wrapping like the other vehicles in fleet- customer provided white doors	1	725.00	725.00

Subtotal	$725.00
Sales Tax (6.35%)	$0.00
Total	$725.00

Estimate

Date	Estimate #
9/21/2017	1605

COMPETITIVE SERVICE SOLUTIONS LLC.

21 Concord Circle
Wethersfield, CT 06109
860-402-8555
Steven.Hershman@competitiveservicesolutions.com

Lights / Siren Install

Name / Address
Waterford Police Department Attn: Lt. Belloas 41 Avery Lane Waterford,CT. 06385

P.O. No.

Item	Description	Hours	U/M	Rate	Total
LABOR-NON T...	Non Taxable Labor 2017 FORD PI SUV Installation of customer supplied equipment into new vehicle. Labor to include install of camera as well.	40	hr	68.00	2,720.00
Shop Supplies	Misc. Material to include connectors,wire,hardware	1	ea	250.00	250.00T
BLUESEA	Split Fuse Block	2	ea	75.00	150.00T
VF4	12 Volt Relay 30 Amp	3	ea	6.00	18.00T
304326	25' Antenna Cable with connector	1	ea	46.52	46.52T
32475	TNC Female crimp RG58	1	ea	6.92	6.92T
Travel Charge	Travel Charge for on-site service	1	ea	100.00	100.00T
PLSW15	BLUE LED BULLY SWITCH	1	ea	6.00	6.00T

Thank you for choosing Competitive Service Solutions LLC. We are committed to providing excellent products and services to our customers. Warranty on all labor provided is covered for ninety days from work date completed. All material is covered by manufacture's warranty.

www.competitiveservicesolutions.com

Subtotal	$3,297.44
Sales Tax (0.0%)	$0.00
Total	$3,297.44

CAR #1

TOWN OF W ERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: CAR1
VEHICLE: CAR1

METER: STANDARD **SUBTOTALS OF VMRS CODES FOR DIVISION > AL** **PERIOD: LIFE**

VMRS CODE		QUANTITY	LABOR HRS	LABOR COST	PARTS COST		TOTAL COST	PERCENT	TOT COST /METER
013	BRAKES	2	3.00	65.82	203.00		268.82	2.94%	0.00340
015	STEERING	1	1.00	20.47	0.00		20.47	0.22%	0.00026
017	TIRES,TUBES,LINERS	2	5.00	106.23	528.20		634.43	6.94%	0.00803
034	LIGHTING SYSTEM	2	3.50	78.44	99.24		177.68	1.94%	0.00225
044	FUEL SYSTEM	1	4.00	96.48	259.14		355.62	3.89%	0.00450
066	PREVENTIVE MAINTENANCE	18	72.00	1625.21	4808.60		6433.81	70.33%	0.08142
099	ROAD CALL TRAVEL TIME	11	31.50	758.62	498.55		1257.17	13.74%	0.01591
	TOTALS:	37	120.00	2751.27	6396.73	**TOT:**	9148.00	100.00%	0.11576

Maintenance Cost Report

Filter: Date from "8/13/2014"; Date to "11/14/2014"; Object ID (from "CAR1" to "CAR1");
Grouped By: Work Order

Dates : 8/13/2014 and 11/14/2014

Work Order	Mileage	Hour	Labor Costs	Part Costs	Contract Costs	Total Costs
Work Order 2028779						
Total for Work Order			$30.71	$21.51	$0.00	$52.22
Work Order 2028996						
Total for Work Order			$81.89	$24.19	$0.00	$106.08
Work Order 2029047						
Total for Work Order			$51.18	$217.28	$8.00	$276.46
Work Order 2029155						
Total for Work Order			$133.07	$0.00	$0.00	$133.07
Grand Totals:			$296.85	$262.98	$8.00	$567.83

CAR #22

TOWN OF W..TERFORD

DATE: 10/16/2017 08:22 a.m.

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: CAR22
VEHICLE: CAR22

METER: STANDARD **SUBTOTALS OF VMRS CODES FOR DIVISION > AL** **PERIOD: LIFE**

VMRS	CODE	QUANTITY	LABOR HRS	LABOR COST	PARTS COST		TOTAL COST	PERCENT	TOT COST /METER
002	CAB/SHEET METALS	1	1.00	20.47	1.04		21.51	0.33%	0.00024
017	TIRES,TUBES,LINERS	1	2.00	48.24	129.42		177.66	2.74%	0.00198
032	CRANKING SYSTEM	1	1.00	29.33	104.14		133.47	2.06%	0.00148
034	LIGHTING SYSTEM	4	2.00	45.57	38.30		83.87	1.30%	0.00093
043	EXHAUST SYSTEM	1	5.50	126.34	118.98		245.32	3.79%	0.00273
066	PREVENTIVE MAINTENANCE	25	88.50	2044.23	2820.98		4865.21	75.13%	0.05411
099	ROAD CALL TRAVEL TIME	9	17.50	413.95	534.54		948.49	14.65%	0.01055
	TOTALS:	42	117.50	2728.13	3747.40	**TOT:**	6475.53	100.00%	0.07202

CAR #2

TOWN OF W. .TERFORD

DATE: 10/16/2017 08:21 a.m.

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: CAR2
VEHICLE: CAR2

METER: STANDARD **SUBTOTALS OF VMRS CODES FOR DIVISION > AL** **PERIOD: LIFE**

VMRS	CODE	QUANTITY	LABOR HRS	LABOR COST	PARTS COST		TOTAL COST	PERCENT	TOT COST /METER
001	A/C, HEAT, VENTILATION	1	4.00	74.96	20.17		95.13	2.18%	0.00118
002	CAB/SHEET METALS	1	6.00	149.28	171.46		320.74	7.34%	0.00399
066	PREVENTIVE MAINTENANCE	13	47.50	1112.47	2140.12		3252.59	74.43%	0.04045
099	ROAD CALL TRAVEL TIME	6	11.00	256.72	444.85		701.57	16.05%	0.00872
	TOTALS:	21	68.50	1593.43	2776.60	**TOT:**	4370.03	100.00%	0.05434

CAR #9

TOWN OF W. .ERFORD

DATE: 10/16/2017 08:26 a.m.

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: CAR9
VEHICLE: CAR9

METER: STANDARD **SUBTOTALS OF VMRS CODES FOR DIVISION > AL** **PERIOD: LIFE**

VMRS	CODE	QUANTITY	LABOR HRS	LABOR COST	PARTS COST		TOTAL COST	PERCENT	TOT COST /METER
013	BRAKES	2	8.50	174.00	867.86		1041.86	12.41%	0.01311
017	TIRES,TUBES,LINERS	1	1.00	24.88	282.10		306.98	3.66%	0.00386
032	CRANKING SYSTEM	1	6.00	144.72	542.36		687.08	8.18%	0.00865
034	LIGHTING SYSTEM	5	5.50	138.81	39.37		178.18	2.12%	0.00224
066	PREVENTIVE MAINTENANCE	19	61.00	1386.97	3811.00		5197.97	61.89%	0.06542
099	ROAD CALL TRAVEL TIME	8	29.50	644.63	296.82		941.45	11.21%	0.01185
150	ROAD TEST	1	2.00	44.82	0.00		44.82	0.53%	0.00056
	TOTALS:	37	113.50	2558.83	5839.51	**TOT:**	8398.34	100.00%	0.10570

Maintenance Cost Report

Filter: Date from "8/1/2014"; Date to "12/31/2014"; Object ID (from "CAR9" to "CAR9");
Grouped By: Work Order

Dates : 8/1/2014 and 12/31/2014

Work Order	Mileage	Hour	Labor Costs	Part Costs	Contract Costs	Total Costs
Work Order 2028729						
Total for Work Order			$20.47	$32.59	$0.00	$53.06
Work Order 2028889						
Total for Work Order			$40.94	$30.61	$0.00	$71.55
Work Order 2028980						
Total for Work Order			$61.42	$71.45	$9.98	$142.85
Work Order 2029170						
Total for Work Order			$51.18	$0.00	$0.00	$51.18
Work Order 2029212						
Total for Work Order			$61.42	$281.45	$0.00	$342.87
Grand Totals:			$235.43	$416.10	$9.98	$661.51

CAR #12

TOWN OF W ERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: CAR12
VEHICLE: CAR12

METER: STANDARD **SUBTOTALS OF VMRS CODES FOR DIVISION > AL** **PERIOD: LIFE**

VMRS CODE		QUANTITY	LABOR HRS	LABOR COST	PARTS COST		TOTAL COST	PERCENT	TOT COST /METER
015	STEERING	1	0.00	0.00	0.00		0.00	0.00%	0.00000
017	TIRES,TUBES,LINERS	3	7.50	176.52	876.15		1052.67	17.76%	0.01518
032	CRANKING SYSTEM	1	0.00	0.00	0.00		0.00	0.00%	0.00000
034	LIGHTING SYSTEM	4	2.00	46.24	34.59		80.83	1.36%	0.00117
066	PREVENTIVE MAINTENANCE	17	52.50	1185.80	3012.72		4198.52	70.84%	0.06054
099	ROAD CALL TRAVEL TIME	6	9.50	227.72	366.99		594.71	10.03%	0.00858
150	ROAD TEST	1	0.00	0.00	0.00		0.00	0.00%	0.00000
	TOTALS:	33	71.50	1636.28	4290.45	**TOT:**	5926.73	100.00%	0.08546

Maintenance Cost Report

Filter: Date from "8/4/2014"; Date to "12/17/2014"; Object ID (from "CAR12" to "CAR12");
Grouped By: Work Order

Dates : 8/4/2014 and 12/17/2014

Work Order	Mileage	Hour	Labor Costs	Part Costs	Contract Costs	Total Costs
Work Order 2028736						
Total for Work Order			$20.47	$31.55	$0.00	$52.02
Work Order 2028885						
Total for Work Order			$40.94	$154.35	$0.00	$195.29
Work Order 2028998						
Total for Work Order			$81.89	$125.19	$0.00	$207.08
Work Order 2029041						
Total for Work Order			$51.18	$29.63	$0.00	$80.81
Work Order 2029228						
Total for Work Order			$30.71	$0.72	$0.00	$31.43
Grand Totals:			$225.19	$341.44	$0.00	$566.63

Gail Miller

From: Andrew Farrior
Sent: Tuesday, October 24, 2017 10:08 AM
To: Gail Miller
Subject: Mileage

Car 20 should be 24,297. Sorry for the mixup.

Sent from my iPhone

FIFTEEN ROPE FERRY ROAD
WATERFORD, CT 06385-2886

PHONE: 860-442-0553
www.waterfordct.org

INTER OFFICE CORRESPONDENCE

TO: Gail Miller, Finance Secretary

FROM: Brian Long, Director of Public Works

DATE: October 25, 2017

RE: Fleet Management Plan FY 2019

The FY 19 Fleet Management Plan calls for the replacement of eight (4) vehicles/pieces of equipment. After our Senior Mechanic, Charles Palardy, reviewed the plan extensively, he agreed with three (3) of the replacements recommended year, H34, H6 & S30. He also recommends that H19 be replaced this year instead of 2021.

Updates have been made to the attached Fleet Management Plan, including estimated costs for replacements, mileage/hour readings and current repair costs. Also attached are the detailed repair costs for the vehicles suggested to be replaced.

Sincerely,

Brian Long, P.E.
Director of Public Works

Cc: Daniel M. Steward, First Selectman
Charles Palardy, Senior Mechanic
Daniel Matheson, Assistant Director
Department Files

Data for 2019 Recommended Replacement Equipment
(Mileage noted is current as of 9/30/2017)

H19 Pick-up Truck
Year – 2005
Make – Ford
Model – F250 4X4
Odometer Reading – 158,057
General Condition- High Mileage and the body is rotting very badly. Repair costs since its purchase are $ 14,873.

H6 – Pick-up Truck
Year – 2007
Make – Ford
Model – F250 4X4
Odometer Reading -127,050
General Condition – Body is starting to rust out. Mileage and age/condition fair. Repair costs for the vehicle since its purchase is $ 17,316.

H34- 5 Ton Dump Truck
Year – 2004
Make – Sterling
Model – L7500
Odometer Reading – 36,336
General Condition – Age and condition – rusting very badly . Repair costs for the vehicle since its purchase are $ 41,483.23

S-30 Excavator
Year – 2001
Make – Volvo
Model – EW170 Excavator
Odometer Reading – 13150 (hour meter)
General Condition – Age and high hours for this type of machine. Repair costs for the vehicle since its purchase is $ 51,920.72

FIFTEEN ROPE FERRY ROAD

WATERFORD, CT 06385-2886

INTER-OFFICE CORRESPONDENCE

DATE: 10/24/17

TO: Brian Long, Director

FROM: Chuck Palardy, Senior Mechanic CAP

RE: Fleet Plan FY19

Brian,

After spending substantial time reviewing the fleet management plan, I make the following recommendations:

H-6 This pickup truck is used daily for Public Works. I recommend moving this to FY19 for replacement. The mileage is over 127,000 miles and the repair costs are at $17,316. The cost for replacing is estimated to be at $44,968.

H-19 This pickup truck is used daily for Public Works. The mileage for this vehicle is over 158,000 and the repair costs are at $14873. The replacement cost is estimated to be around $44,968.

H-34 This truck is having substantial issues with rot in both the body and frame. The repair costs for this truck are at $41,483.23. The mileage is 36,336. The replacement cost should be sufficient at $176,728.

S-30 I recommend replacing this excavator. The repair costs for this piece of equipment is at $51,920.72. There are 13,150 hours on this machine. The cost is expected to be $272,644.00.

Adjustments to the plan:

H-12 I recommend moving this truck to 2021. This vehicle is still in decent working condition. I have the replacement cost at $60,000.

H24 – Sweeper - I adjusted the price of this equipment to be in line with the sweeper that was replaced in FY17. The price is now $235,278.

H42 Tractor Trailer – This is classified as an 18-year specialty unit. Since the time this fleet plan has come out, the daily operations for Public Works have changed, in that this vehicle hauls recycling to Willimantic every other week. The mileage of this vehicle is over 142,000. I recommend replacing this vehicle in 2021. The estimated cost of this vehicle is $148,526.

H43RO This roll off trailer hauls our brush to the landfill. I recommend moving the replacement of this equipment out to 2021.

H50V This Vac-all body is scheduled for replacement in 2020. This is not needed at this time, because the Town has purchased the new sweeper with a vac-all truck all in one. The Town will keep the chassis of this vehicle, but not replace the body at this time. This is a savings of $131,230.

H52 This compressor is scheduled for replacement in 2020. I recommend moving the replacement of this equipment to 2023.

FIFTEEN ROPE FERRY ROAD
WATERFORD, CT 06385-2886

PHONE: 860-442-0553
www.waterfordct.org

INTER-OFFICE CORRESPONDENCE TOWN OF WATERFORD

DATE: November 9, 2017

TO: Daniel M. Steward, First Selectman

FROM: Brian Long, Director of Public Works

SUBJECT: Fleet Plan Revisions

The Public Works section as submitted for approval has been modified to provide consistency with the RTA Fleet Management software and actual vehicle usage within the department.

The following changes to the Public Works portion of the Fleet Management Plan were requested and approved at the February 7, 2017 Board of Selectmen meeting:

Reassign: Old Fire Marshal Q115 as A-18
2006 Ford Crown Victoria (maroon)
2FAHP71W86X122289
Mileage: 52,245

Declare Surplus: Old PW A8 to be sold at auction
2003 Ford Crown Victoria
2FAFP71W03X140532
Mileage: 118,640

Reassign: Old PD Car 27 as PW A-8
2009 Ford Escape
1FMCU92779KB46666
Mileage: 79,570

In addition to the previously approved changes, the following changes to the plan as submitted are requested in order to match the existing usage by personnel within the department:

Reassign: Old PW A-8 as PW A-2
2009 Ford Escape
1FMCU92779KB46666
Mileage: 84,256

Reassign:	Old PW A-2 as PW A-8 2001 Jeep Cherokee 1J4FF48S51L565909 Mileage: 92,319
Reassign:	Old PW H6 as PW H19 2005 Ford F250 4X4 1FTSF21P45EB72105 Mileage: 158,057
Reassign:	Old PW H19 as PW H11 2012 Ford F250 4X4 1FTBF2B68CEA59387 Mileage: 89,239
Reassign:	Old PW H11 as PW H6 2007 Ford F250 4X4 1FTSF21P87EA84225 Mileage: 127,050

If you need further information, please contact our office.

Thank you.

Brian Long, Director

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

													0				23		23		19		11		17
													#				$ 1.18		$ 1.39		$ 1.22		$ 0.81		$ 1.35
													#				$ 1,176,737		$ 1,389,060		$ 1,220,078		$ 813,435		$ 1,327,854
Asset ID No	License Plate No	Agency Code	Agency Name	Class Code	Repl. Cycle In Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	##	Repair Costs	(	2 C 1 $	NOTES	2019		2020		2021		2022		2023	
A10	110WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2000		$23,650	Ford	CROWN VICTORIA	2FAHP71W86X122289	83,947		$3,280													
A8	106WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2001	12/06/00	$22,523	JEEP	CHEROKEE	1J4FF48S51L565909	92,319		$3,997													
A20	104WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2008	12/18/07	$26,797	Ford	EXPLORER	1FMEU73E68UA17301	51,082		$7,146													
A2	45WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2009	02/11/09	$19,090	Ford	ESCAPE	1FMCU92770KB46666	84,256		$16,093													
H1	N/A	30	PUBLIC WORKS	FRK-DPW	25	FORK LIFT	1987	01/20/99	$17,082	HYSTER - Purchased Used	S20A Fork Lift	A10D5889L	724 hrs		$846													
H11	78WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2012	03/14/12	$31,876	Ford	F-250 4X4	1FTBF2B68CEA59387	88,239		$9,004													
H12	80WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2003	01/02/03	$37,195	Ford	F450 4x2	1FDXF46F63EB17892	47,000		$8,172			moved from 2019 to 2021	$ -				$ 63,323					
H13	79WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2014	12/06/13	$33,569	Chevrolet	Silverado K250	1GC0KVCGXEF154607	32,412		$5,454													
H14	129WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	02/09/15	$140,270	International	4300 SBA Tarco T2000 S/S	1HTMMAAL8FH734287	18,376		$8,582													
H147	147WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	1991	06/07/91	$2,194	ROSCO	TRAILER	1YE411327M1B1T617	n/a		$1,440													
H15	121WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	03/27/15	$140,270	International	4300 SBA Tarco T2000 S/S	1HTMMAALXFH734288	17,184		$8,714													
H16	123WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/18/17	$171,927	FREIGHTLINER	114SD DUMP	1FVACWFC6JHJJ7757	2,500		$1,884													
H17	86WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/26/17	$171,927	FREIGHTLINER	114SD DUMP	1FVACWFC3JHJJ7756	2,700		$1,324													
H18	125WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2010	06/17/09	$99,117	International	4300 SBA Dump	1HTMMAAL8AH188776	45,372		$30,609													
H19	108WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2005	01/24/05	$30,175	Ford	F250 4X4	1FTSF21P45EB72105	158,057		$14,873			est 10/11/17 +3%	$ 44,968									
H24	58WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2003	10/18/02	$118,670	Elgin	PELICAN P SWEEPER	P-3928-S	15,280		$64,481			updated price			$ 235,270	$ -						
H25	57WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2018	03/13/17	$221,772	FREIGHTLINER	M2105 A7 Tornado Sweeper	1FVACXFC9JHJH1578	2,700		$3,080													
H26	62WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1959	01/01/59	N/A	Ferguson	TO-35 TRACTOR MOWER	SGM 193199	4929 hrs		$2,053													
H27	63WFD	30	PUBLIC WORKS	TRC-DPW	15	TRACTOR	2008	05/20/08	$82,020	JOHN DEERE	MODEL 5603 TRACTOR	LV5603R268632	4,039		$32,270												$ 127,784	
H30	87WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	05/12/17	$173,657	FREIGHTLINER	114SD	1FVAG3FE9JHJH1112	3,639		$1,601						$ -							
H31	88WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/05/16	$170,945	FREIGHTLINER	114SD	1FVAG3CY3HHJA1291	8,067		$2,098						$ -							
H32	85WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/11/16	$170,945	FREIGHTLINER	114SD	1FVAG3CY5HHJA1292	4,000		$4,657						$ -							
H-33	135WFD	30	PUBLIC WORKS	GRN-DPW	15	STUMP GRINDER	2004	11/12/04	$23,651	CARLTON	7500 - Stump Grinder	1J9G42122C1167474	176 hrs		$4,906			Move replacement to FY22 instead of FY20			$ -				$ 40,265			
H34	94WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2004	03/10/04	$91,116	Sterling	L7500	2FZAATDC84AN04719	38,336		$42,683			Moving replacement to FY19 instead of FY24	$ 176,828									
H35	92WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2012	09/28/12	$195,832	International	7400 SFA 4X2 12M DUMP/SPREADER WITH CRANE	1HTWDAZR8CH121003	28,178		$25,739													
H36	124WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	03/04/14	$140,885	International	7400 SFA 4x2	1HTWDAAR2EH025219	20,260		$13,120													
H37	131WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	02/14/14	$140,885	International	7400 SFA 4x2	1HTWDAAR0EH025218	18,866		$7,971													
H38	130WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	12/24/13	$140,885	International	7400 SFA 4x2 (with Tenco spreader)	1HTWDAAR9EH025220	19,626		$8,347													
H39	96WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2009	07/23/08	$115,800	International	7400 SFA	1HTWDAAR29J077349	47,100		$39,015													
H40 (new)	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	06/13/03	$176,828	FREIGHTLINER	114SD	On Order PO 181123																
H40	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2003	06/13/03	$91,116	Sterling	L 7500	2FZAATAK93AL96265	65,242		$56,698			Initally scheduled for replacement in FY23 - request early replacement due to substantial deterioration									$ -	
H42	99WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	12/31/09	$104,350	International	7600 SFA 6x4 Tractor Trailer	1HSWXSJT8AJ273491	130,415		$38,853			moved from 2028 high mileage					$ 146,526					

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

													0											
													#											
													#											
																					.23	23	19	11	17
																					$ 1.18	$ 1.39	$ 1.22	$ 0.81	$ 1.33
																					$ 1,176,737	$ 1,389,066	$ 1,220,078	$ 813,435	$ 1,327,854
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	##	Repair Costs	C y c l e		NOTES	2019	2020	2021	2022	2023
S23	73WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/17/08	$131,557	International	REFUSE PACKER	1HTWGAAT19J093030	26,032		$5,487			Defer to FY22 based on department recommendation				$ 160,000	
S24	74WFD	30	PUBLIC WORKS	RLP-DPW	6	REAR LOAD PACKER	2009	09/19/08	$131,557	International	REFUSE PACKER	1HTWGAAT39J093031	26,850		$13,352			Defer to FY22 based on department recommendation				$ 160,000	
S25	75WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	3BPZL50X7BF129186	53,619		$58,003					$ 284,879			
S26	76WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	3BPZL50X0BF129188	59,006		$75,719					$ 284,879			
S29	69WFD	30	PUBLIC WORKS	FLP-DPW	15	FRONT LOAD PACKER	2016	11/30/15	$223,725	PETERBUILT	DUMPSTER TRUCK	3BPZXJ0X2GF102983	30,887		$7,117								
S30	65WFD	30	PUBLIC WORKS	B&E-DPW	15	BULLDOZER/EXCAVATOR	2001	12/28/01	$159,000	VOLVO	EW170 EXCAVATOR	26289408	13147 hrs		$54,130			Defer to FY19 based on department recommendation	$ 272,644				
UT2	163WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2009	07/27/09	$11,857	CAM	6CAM824DOTT - Utility Trailer	5JPBU292X9P024572	n/a		$947								

TOWN OF ..ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000 DATE: FIRST VEHICLE: H19
ENDING VMRS CODE: 999-999-999 DATE: LAST VEHICLE: H19

UNIT: H19 LF MTR: 156650.0 CUR MTR: 156650.0 YR: 05 MAKE: FORD DEPT: PW SIZE: L CLASS: PICKUP FUEL: D

VMRS Code	DATE	WO NUM	LF-MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
013		TITLE >	BRAKES										
013-000-000	09242010	2022466	86590	86599	BRAKES		518.63	79.28	597.91	4.00 0000000008			
013		TOTAL >	BRAKES				518.63	79.28	597.91				
017		TITLE >	TIRES,TUBES,LINERS										
017-000-000	03132017	2032114	152480	152482	TIRES,TUBES,LINERS		1.45	60.30	61.75	2.50 07	01	4	XX
017-000-000	01262011	2022948	0	0	TIRES,TUBES,LINERS		502.56	0.00	502.56	0.00 0000000010			
017-000-000	07022009	2020241	61590	61591	TIRES,TUBES,LINERS		0.00	9.91	9.91	0.50 0000000006			
017		TOTAL >	TIRES,TUBES,LINERS				504.01	70.21	574.22				
032		TITLE >	CRANKING SYSTEM										
032-002-000	01182017	2031795	152480	152482	BATTERY		104.14	29.33	133.47	1.00 05	01	4	XX
032-010-000	04162015	2029436	138300	138301	STARTER		0.00	20.47	20.47	1.00 07	01	1	XX
032		TOTAL >	CRANKING SYSTEM				104.14	49.80	153.94				
034		TITLE >	LIGHTING SYSTEM										
034-006-000	10262015	2030169	141790	141786	BULB, REPLACE EXTE		2.29	20.47	22.76	1.00 07	01	4	XX
034-018-000	01232016	2030489	143910	143911	HEADLAMP SEALED		13.87	27.25	41.12	1.00 05	01	4	XX
034-031-000	10262015	2030169	141790	141786	TAIL LIGHT ASSEMBL		13.40	20.47	33.87	1.00 07	01	4	XX
034		TOTAL >	LIGHTING SYSTEM				29.56	68.19	97.75				
051		TITLE >	GENERAL ACCESSORIES										
051-002-000	02092017	2032016	152480	152482	WIPER ARM		27.93	37.43	65.36	1.00 03	01	4	XX
051-038-000	02032016	2030476	141790	141786	WIPER BLADE		11.98	18.26	30.24	0.50 03	01	11	XX
051		TOTAL >	GENERAL ACCESSORIES				39.91	55.69	95.60				
052		TITLE >	ELECTRICAL ACCESSRES										
052-000-000	02152011	2023237	93740	93749	ELECTRICAL ACCESSR		2.50	39.64	42.14	2.00 0000000008			
052		TOTAL >	ELECTRICAL ACCESSRES				2.50	39.64	42.14				
065		TITLE >	HYDRAULIC SYSTEMS										
065-000-000	01072017	2031827	152310	152305	HYDRAULIC SYSTEMS		118.00	138.88	256.88	3.00 05	01	4	XX
065		TOTAL >	HYDRAULIC SYSTEMS				118.00	138.88	256.88				
066		TITLE >	PREVENTIVE MAINTENAN										
066-001-000	07252014	2028682	132510	132518	PM-A		129.43	81.89	211.32	4.00 0000000007			
066-001-000	03062014	2028214	129490	129490	PM-A		106.63	143.30	249.93	7.00 0000000007			

TOWN OF ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H19
VEHICLE: H19

UNIT: H19 LF MTR: 156650.0 CUR MTR: 156650.0 YR: 05 MAKE: FORD DEPT: PW SIZE: L CLASS: PICKUP FUEL: D

VMRS Code	DATE	WO NUM	LF-MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
066-001-000	12132013	2027843	0	0	PM-A		2.07	10.24	12.31	0.50 0000000007			
066-001-000	10222013	2027454	125910	125914	PM-A		76.15	74.65	150.80	3.00 0000000005			
066-001-000	07172013	2027206	122860	122861	PM-A		84.59	81.89	166.48	4.00 0000000007			
066-001-000	04042013	2026587	120030	120030	PM-A		79.17	68.34	147.51	3.00 0000000005			
066-001-000	11132012	2025996	116900	116900	PM-A		107.23	91.12	198.35	4.00 0000000005			
066-001-000	07272012	2025530	113570	113577	PM-A		279.22	131.18	410.40	7.00 0000000007			
066-001-000	10242011	2024333	105700	105700	PM-A		345.64	216.81	562.45	9.00 0000000005			
066-001-000	06062011	2023716	99040	99042	PM-A		138.76	79.28	218.04	4.00 0000000006			
066-001-000	02112011	2023197	93690	93695	PM-A		66.28	49.55	115.83	2.50 0000000008			
066-001-000	09232010	2022469	86590	86590	PM-A		132.46	138.74	271.20	7.00 0000000008			
066-001-000	05192010	2021877	79700	79705	PM-A		63.28	72.27	135.55	3.00 0000000005			
066-001-000	01152010	2021312	73600	73606	PM-A		37.15	96.36	133.51	4.00 0000000005			
066-001-000	09022009	2020632	67620	67626	PM-A		63.73	106.28	170.01	4.00 0000000003			
066-001-000	04072009	2019853	59090	59094	PM-A		66.62	96.36	162.98	4.00 0000000005			
066-001-000	12042008	2019408	53370	53371	PM-A		101.80	48.18	149.98	2.00 0000000005			
066-001-000	07242008	2019044	46920	46924	PM-A		405.87	158.56	564.43	8.00 0000000008			
066-001-000	04022008	2018717	41280	41282	PM-A		82.93	96.36	179.29	4.00 0000000005			
066-001-000	11022007	2018312	34600	34607	PM-A		26.11	39.64	65.75	2.00 0000000006			
066-001-000	04132007	2017749	23920	23925	PM-A		87.63	69.37	157.00	3.50 0000000006			
066-001-000	12192006	2017328	18590	18595	PM-A		88.93	49.55	138.48	2.50 0000000008			
066-001-000	07112006	2016678	13340	13349	PM-A		0.00	72.27	72.27	3.00 0000000005			
066-001-000	11102005	2016084	8510	8517	PM-A		36.53	48.18	84.71	2.00 0000000005			
066-001-000	05162005	2015581	3750	3751	PM-A		35.38	39.64	75.02	2.00 0000000008			
066-002-000	06292017	2032504	155210	155212	PM-B		644.43	192.96	837.39	8.00 07	XX	8	XX
066-002-000	01122017	2031886	152450	152454	PM-B		69.82	101.85	171.67	3.00 04	XX	8	XX
066-003-000	08082016	2031342	148410	148411	PM-C		70.52	68.91	139.43	3.00 07	01	8	XX
066-003-000	02252016	2030666	144670	144665	PM-C		72.11	123.26	195.37	5.50 07	01	8	XX
066-003-000	10062015	2030092	141540	141541	PM-C		79.83	51.18	131.00	2.50 07	01	8	XX
066-003-000	05042015	2029489	138570	138569	PM-C		45.27	40.94	86.21	2.00 07	01	8	XX
066		TOTAL >	PREVENTIVE MAINTENAN				3625.57	2739.11	6364.68				
099		TITLE >	ROAD CALL TRAVEL TIM										
099-001-000	03132015	2029281	132520	132518	ROAD SERVICE ROAD		0.00	20.47	20.47	1.00 07	01	4	XX
099-002-000	02092017	2031983	152480	152482	PLOWS (BLADES/SHOE		210.18	66.76	276.94	2.00 03	01	4	XX
099-002-000	03012015	2029134	132520	132518	PLOWS (BLADES/SHOE		138.45	84.94	223.39	2.00 05	01	4	XX
099-002-000	01082011	2022963	0	0	PLOWS (BLADES/SHOE		0.00	13.28	13.28	0.50 0000000003			
099-002-000	01082011	2022949	0	0	PLOWS (BLADES/SHOE		19.92	24.09	44.01	1.00 0000000005			
099-002-000	02162010	2021463	0	0	PLOWS (BLADES/SHOE		0.00	24.09	24.09	1.00 0000000005			

TOWN OF ..ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H19
VEHICLE: H19

UNIT: H19 LF MTR: 156650.0 CUR MTR: 156650.0 YR: 05 MAKE: FORD DEPT: PW SIZE: L CLASS: PICKUP FUEL: D

VMRS Code	DATE	WO NUM	LF-MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC RC WA
099-002-000	02102010	2021416	0	0	PLOWS (BLADES/SHOE		10.30	24.09	34.39	1.00 0000000005	
099-002-000	02272007	2017571	0	0	PLOWS (BLADES/SHOE		0.00	48.18	48.18	2.00 0000000005	
099-002-000	02122007	2017543	20640	20646	PLOWS (BLADES/SHOE		67.40	72.27	139.67	3.00 0000000004	
099-007-000	06092014	2028542	131380	131387	ONSPOTS ONSPOT INS		0.00	31.76	31.76	1.00 0000000004	
099-007-000	06122014	2028498	131410	131418	ONSPOTS ONSPOT INS		156.72	24.88	181.60	1.00 0000000005	
099-007-000	11132013	2027674	126560	126565	ONSPOTS ONSPOT INS		1.82	10.24	12.06	0.50 0000000007	
099-007-000	02052013	2026328	0	0	ONSPOTS ONSPOT INS		0.00	46.85	46.85	2.50 0000000007	
099-007-000	04252012	2025143	11090	11098	ONSPOTS ONSPOT INS		90.22	28.11	118.33	1.50 0000000007	
099-007-000	03282012	2024988	0	0	ONSPOTS ONSPOT INS		38.38	9.37	47.75	0.50 0000000007	
099-007-000	03202012	2024948	250	250	ONSPOTS ONSPOT INS		0.00	30.53	30.53	1.00 0000000004	
099-007-000	03142012	2024906	131840	131844	ONSPOTS ONSPOT INS		0.00	22.78	22.78	1.00 0000000006	
099-007-000	12282011	2024576	108000	108001	ONSPOTS ONSPOT INS		0.00	30.53	30.53	1.00 0000000004	
099-007-000	12282011	2024572	0	0	ONSPOTS ONSPOT INS		16.18	22.78	38.96	1.00 0000000006	
099-007-000	12302011	2024553	0	0	ONSPOTS ONSPOT INS		38.49	22.78	61.27	1.00 0000000005	
099-007-000	11232011	2024438	106000	106000	ONSPOTS ONSPOT INS		11.98	12.05	24.03	0.50 0000000005	
099-007-000	10042011	2024198	0	0	ONSPOTS ONSPOT INS		0.00	9.91	9.91	0.50 0000000008	
099-007-000	07142011	2023879	101400	101400	ONSPOTS ONSPOT INS		64.50	39.64	104.14	2.00 0000000008	
099-007-000	06062011	2023719	0	0	ONSPOTS ONSPOT INS		34.88	53.14	88.02	2.00 0000000003	
099-007-000	01022011	2023014	93250	93258	ONSPOTS ONSPOT INS		64.50	59.78	124.28	1.50 0000000003	
099-007-000	08302010	2022348	0	0	ONSPOTS ONSPOT INS		191.66	26.57	218.23	1.00 0000000003	
099-007-000	01252010	2021347	74000	74004	ONSPOTS ONSPOT INS		26.13	24.09	50.22	1.00 0000000004	
099-007-000	12312009	2021244	0	0	ONSPOTS ONSPOT INS		4.58	24.09	28.67	1.00 0000000004	
099-007-000	01022010	2021227	0	0	ONSPOTS ONSPOT INS		30.07	24.09	54.16	1.00 0000000005	
099-007-000	12202009	2021134	0	0	ONSPOTS ONSPOT INS		14.22	26.57	40.79	1.00 0000000003	
099-007-000	03062008	2018671	0	0	ONSPOTS ONSPOT INS		81.00	48.18	129.18	2.00 0000000005	
099-007-000	09102007	2018165	32110	32119	ONSPOTS ONSPOT INS		0.00	59.46	59.46	3.00 0000000008	
099-007-000	11032006	2017302	16610	16614	ONSPOTS ONSPOT INS		0.00	48.18	48.18	2.00 0000000005	
099-007-000	08232006	2016964	14000	14000	ONSPOTS ONSPOT INS		104.00	39.64	143.64	2.00 0000000008	
099-007-000	07112006	2016678	13340	13349	ONSPOTS ONSPOT INS		403.48	24.09	427.57	1.00 0000000005	
099-007-000	01112006	2016385	9550	9550	ONSPOTS ONSPOT INS		599.03	96.36	695.39	4.00 0000000004	
099-007-000	12072005	2016090	0	0	ONSPOTS ONSPOT INS		28.17	26.57	54.74	1.00 0000000003	
099-007-000	09302005	2015901	7500	7500	ONSPOTS ONSPOT INS		0.00	59.46	59.46	3.00 0000000008	
099-007-000	09212005	2015887	7280	7284	ONSPOTS ONSPOT INS		14.99	0.00	14.99	0.00 0000000010	
099-007-000	09072005	2015843	6840	6840	ONSPOTS ONSPOT INS		39.29	108.41	147.70	4.50 0000000004	
099-007-000	03182005	2015396	0	0	ONSPOTS ONSPOT INS		36.99	24.09	61.08	1.00 0000000005	
099-007-000	01252005	2015258	0	0	ONSPOTS ONSPOT INS		16.88	26.57	43.45	1.00 0000000003	
099-008-000	08062015	2029872	138570	138569	GENERAL CHECK		1.04	10.24	11.27	0.50 07	01 11 XX
099-008-000	02172015	2029044	132520	132518	GENERAL CHECK		1.04	10.24	11.27	0.50 07	01 4 XX
099-008-000	02112015	2028884	132520	132518	GENERAL CHECK		3.87	10.24	14.11	0.50 07	01 4 XX
099-009-000	04132017	2032360	152480	152482	DIAGNOSIS		0.00	60.30	60.30	2.50 07	01 4 XX
099-009-000	02082017	2032059	152480	152482	DIAGNOSIS		11.17	12.06	23.23	0.50 07	01 4 XX
099-009-000	10262015	2030169	141790	141786	DIAGNOSIS		0.00	10.24	10.24	0.50 07	01 4 XX
099-009-000	10262011	2024348	0	0	DIAGNOSIS		585.99	192.72	778.71	8.00 0000000005	
099-015-000	07112006	2016678	13340	13349	FREIGHT	OUT	0.00	0.00	0.00	0.00 0000009999	
099-041-000	08042017	2032667	156650	156650	REPAIRS		4.23	36.18	40.41	1.50 07	01 4 XX

TOWN OF TERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000 DATE: FIRST VEHICLE:: H19
ENDING VMRS CODE: 999-999-999 DATE: LAST VEHICLE: H19

UNIT: H19 LF MTR: 156650.0 CUR MTR: 156650.0 YR: 05 MAKE: FORD DEPT: PW SIZE: L CLASS: PICKUP FUEL: D

VMRS Code	DATE	WO NUM	LF-MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
099-041-000	03272017	2032257	152480	152482	REPAIRS		0.00	120.60	120.60	5.00 07	01	4	XX
099-041-000	11042016	2031590	148410	148411	REPAIRS		0.00	36.18	36.18	1.50 07	01	4	XX
099-064-000	03202015	2029309	132520	132518	EQUIPMENT INSTALL		3.87	30.71	34.58	1.50 07	01	4	XX
099-121-000	04142015	2029429	138260	138256	PARTS RUN		4.09	10.24	14.33	0.50 07	01	8	XX
099		TOTAL >	ROAD CALL TRAVEL TIM				3169.71	2059.67	5229.38				
730		TITLE >	HOUSEKEEPING										
730-000-000	05152015	2029554	138570	138569	HOUSEKEEPING		0.00	194.47	194.47	9.50 07	01	4	XX
730		TOTAL >	HOUSEKEEPING				0.00	194.47	194.47				

TOWN OF ..ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H19
VEHICLE: H19

METER: STANDARD | SUBTOTALS OF VMRS CODES FOR DIVISION > AL | PERIOD: CURRENT

VMRS CODE		QUANTITY	LABOR HRS	LABOR COST	PARTS COST		TOTAL COST	PERCENT	TOT COST /METER
013	BRAKES	1	4.00	79.28	518.63		597.91	4.39%	0.02478
017	TIRES,TUBES,LINERS	3	3.00	70.21	504.01		574.22	4.22%	0.02379
032	CRANKING SYSTEM	2	2.00	49.80	104.14		153.94	1.13%	0.00638
034	LIGHTING SYSTEM	3	3.00	68.19	29.56		97.75	0.72%	0.00405
051	GENERAL ACCESSORIES	2	1.50	55.69	39.91		95.60	0.70%	0.00396
052	ELECTRICAL ACCESSRES	1	2.00	39.64	2.50		42.14	0.31%	0.00175
065	HYDRAULIC SYSTEMS	1	3.00	138.88	118.00		256.88	1.89%	0.01064
066	PREVENTIVE MAINTENANCE	31	123.00	2739.11	3625.57		6364.68	46.78%	0.26374
099	ROAD CALL TRAVEL TIME	55	84.50	2059.67	3169.71		5229.38	38.43%	0.21670
730	HOUSEKEEPING	1	9.50	194.47	0.00		194.47	1.43%	0.00806
	TOTALS:	100	235.50	5494.94	8112.03	TOT:	13606.97	100.00%	0.56386

TOWN OF ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H6
VEHICLE: H6

UNIT: H6 LF MTR: 124550.0 CUR MTR: 124550.0 YR: 07 MAKE: FORD DEPT: PW SIZE: L CLASS: PICKUP FUEL: D

VMRS Code	DATE	WO NUM	LF MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
002		TITLE >	CAB/SHEET METALS										
002-000-000	01212015	2028952	97210	97208	CAB/SHEET METALS		9.59	49.76	59.35	2.00 06	01	4	XX
002-054-000	02222016	2030636	110460	110458	MIRROR		158.90	27.25	186.15	1.00 06	01	4	XX
002		TOTAL >	CAB/SHEET METALS				168.49	77.01	245.50				
014		TITLE >	FRAME										
014-000-000	12302012	2026207	73000	73009	FRAME		40.00	34.17	74.17	1.00 0000000006			
014		TOTAL >	FRAME				40.00	34.17	74.17				
017		TITLE >	TIRES,TUBES,LINERS										
017-000-000	12072015	2030235	108990	108989	TIRES,TUBES,LINERS		695.96	70.02	765.98	2.00 03	01	11	XX
017-000-000	06262013	2027052	78440	78442	TIRES,TUBES,LINERS		6.99	18.74	25.73	1.00 0000000007			
017-000-000	12292011	2024580	59690	59694	TIRES,TUBES,LINERS		504.88	45.56	550.44	2.00 0000000005			
017-000-000	10202009	2020859	30310	30318	TIRES,TUBES,LINERS		0.00	24.09	24.09	1.00 0000000005			
017-011-000	06162015	2029616	103010	103010	TIRE PLUG		6.00	6.14	12.14	0.30 07	01	10	XX
017-011-000	05192015	2029509	102530	102527	TIRE PLUG		0.00	31.75	31.75	1.00 04	01	4	XX
017		TOTAL >	TIRES,TUBES,LINERS				1213.83	196.30	1410.13				
032		TITLE >	CRANKING SYSTEM										
032-002-000	09162016	2031424	115650	115645	BATTERY		168.72	29.33	198.05	1.00 05	01	4	XX
032-002-000	02152015	2029019	98860	98855	BATTERY		84.36	20.47	104.83	1.00 07	01	4	XX
032-012-000	05162016	2030996	112350	112350	JUMP START VEHICLE		0.00	61.73	61.73	2.00 05	01	4	XX
032		TOTAL >	CRANKING SYSTEM				253.08	111.53	364.61				
034		TITLE >	LIGHTING SYSTEM										
034-000-000	06172015	2029556	102530	102527	LIGHTING SYSTEM		7.92	140.04	147.96	4.00 03	01	12	XX
034-000-000	01202015	2028948	97170	97167	LIGHTING SYSTEM		0.90	10.24	11.14	0.50 07	01	8	XX
034-004-000	04122016	2030824	111460	111462	WIRING / REPAIR		20.00	54.50	74.50	2.00 06	01	4	XX
034-004-000	03052015	2029262	98930	98931	WIRING / REPAIR		2.95	83.21	86.16	2.00 07	01	4	XX
034-006-000	02082016	2030568	110020	110021	BULB, REPLACE EXTE		38.15	40.88	79.02	1.50 06	01	4	XX
034-006-000	01272015	2028988	97680	97680	BULB, REPLACE EXTE		2.24	11.10	13.34	0.40 07	01	4	XX
034		TOTAL >	LIGHTING SYSTEM				72.16	339.97	412.13				
043		TITLE >	EXHAUST SYSTEM										
043-000-000	12142015	2030283	108750	108746	EXHAUST SYSTEM		0.00	24.88	24.88	1.00 05	01	4	XX
043		TOTAL >	EXHAUST SYSTEM				0.00	24.88	24.88				
051		TITLE >	GENERAL ACCESSORIES										
051-038-000	02092017	2031989	119670	119672	WIPER BLADE		11.98	43.98	55.96	1.00 06	01	4	XX

TOWN OF ..ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H6
VEHICLE: H6

UNIT: H6 LF MTR: 124550.0 CUR MTR: 124550.0 YR: 07 MAKE: FORD DEPT: PW SIZE: L CLASS: PICKUP FUEL: D

VMRS Code	DATE	WO NUM	LF-MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
051		TOTAL >	GENERAL ACCESSORIES				11.98	43.98	55.96				
052		TITLE >	ELECTRICAL ACCESSRES										
052-000-000	02182015	2029060	98930	98931	ELECTRICAL ACCESSR		1.04	20.47	21.51	1.00 07	01	4	XX
052-000-000	09292006	2017114	0	0	ELECTRICAL ACCESSR		0.00	79.28	79.28	4.00 0000000006			
052		TOTAL >	ELECTRICAL ACCESSRES				1.04	99.75	100.79				
066		TITLE >	PREVENTIVE MAINTENAN										
066-000-000	06032015	2029584	103010	103010	PREVENTIVE MAINTEN		73.74	49.76	123.50	2.00 05	01	8	XX
066-001-000	05272014	2028530	89420	89423	PM-A		168.97	317.59	486.56	10.00 0000000004			
066-001-000	01212014	2027916	84540	84542	PM-A		87.40	20.47	107.87	1.00 0000000007			
066-001-000	09032013	2027368	807850	807858	PM-A		90.75	61.42	152.17	3.00 0000000007			
066-001-000	01092013	2026221	73280	73286	PM-A		79.17	91.12	170.29	4.00 0000000006			
066-001-000	06132012	2025317	66160	66166	PM-A		43.93	84.15	128.08	2.50 0000000003			
066-001-000	03202012	2024957	110300	110300	PM-A		114.70	136.68	251.38	6.00 0000000005			
066-001-000	02142012	2024752	61900	61906	PM-A		255.62	91.12	346.74	4.00 0000000006			
066-001-000	02062012	2024704	61570	61575	PM-A		35.68	37.48	73.16	2.00 0000000007			
066-001-000	12012011	2024464	58620	58626	PM-A		39.98	91.12	131.10	4.00 0000000006			
066-001-000	08052011	2023979	53160	53166	PM-A		82.87	53.14	136.01	2.00 0000000003			
066-001-000	03102011	2023265	47730	47738	PM-A		64.13	72.27	136.40	3.00 0000000005			
066-001-000	10052010	2022497	42570	42577	PM-A		64.13	84.32	148.45	3.50 0000000005			
066-001-000	03302010	2021701	36980	36983	PM-A		136.57	128.83	265.40	6.50 0000000006			
066-001-000	10202009	2020863	30270	30272	PM-A		61.33	96.36	157.69	4.00 0000000005			
066-001-000	04302009	2019910	24320	24321	PM-A		0.00	53.14	53.14	2.00 0000000003			
066-001-000	04232009	2019883	24040	24048	PM-A		35.62	79.28	114.90	4.00 0000000006			
066-001-000	12172008	2019464	19260	19269	PM-A		89.79	48.18	137.97	2.00 0000000005			
066-001-000	06042008	2018890	14750	14751	PM-A		95.90	89.19	185.09	4.50 0000000006			
066-001-000	12032007	2018385	9380	9387	PM-A		81.68	59.46	141.14	3.00 0000000008			
066-001-000	04242007	2017824	3840	3849	PM-A		87.63	96.36	183.99	4.00 0000000005			
066-002-000	07192017	2032590	124550	124550	PM-B		891.51	586.60	1478.11	20.00 06	XX	8	XX
066-002-000	04032017	2032155	121070	121070	PM-B		66.97	117.32	184.29	4.00 05	XX	8	XX
066-002-000	11072016	2031612	116950	116950	PM-B		206.69	146.65	353.34	5.00 06	XX	8	XX
066-002-000	03282016	2030711	111180	111175	PM-B		125.45	163.50	288.95	6.00 06	XX	8	XX
066-002-000	09092015	2030040	106290	106290	PM-B		121.00	122.82	243.82	6.00 07	XX	8	XX
066-002-000	01202015	2028948	97170	97167	PM-B		44.37	47.63	92.00	1.50 04	XX	8	XX
066		TOTAL >	PREVENTIVE MAINTENAN				3245.58	3025.96	6271.54				
099		TITLE >	ROAD CALL TRAVEL TIM										
099-000-000	02192013	2026421	0	0	ROAD CALL TRAVEL T		0.00	61.06	61.06	2.00 0000000004			

TOWN OF ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H6
VEHICLE: H6

UNIT: H6 LF MTR: 124550.0 CUR MTR: 124550.0 YR: 07 MAKE: FORD DEPT: PW SIZE: L CLASS: PICKUP FUEL: D

VMRS Code	DATE	WO NUM	LF-MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MEC-HANIC	CC	RC	WA
099-000-000	09192011	2024102	0	0	ROAD CALL TRAVEL T		0.00	29.73	29.73	1.50 0000000008			
099-001-000	02052016	2030554	108990	108989	ROAD SERVICE ROAD		101.88	44.82	146.70	2.00 07	01	4	XX
099-002-000	01062017	2031846	118600	118597	PLOWS (BLADES/SHOE		0.00	28.07	28.07	0.50 03	01	4	XX
099-002-000	01082017	2031819	118600	118597	PLOWS (BLADES/SHOE		25.36	94.90	120.26	2.00 05	01	4	XX
099-002-000	12172016	2031707	116950	116950	PLOWS (BLADES/SHOE		0.00	18.72	18.72	0.50 03	01	4	XX
099-002-000	02092016	2030572	110120	110120	PLOWS (BLADES/SHOE		219.94	81.75	301.69	3.00 06	01	4	XX
099-002-000	02202015	2029093	98930	98931	PLOWS (BLADES/SHOE		283.15	30.71	313.86	1.50 07	01	4	XX
099-002-000	02152015	2029016	97680	97680	PLOWS (BLADES/SHOE		30.00	10.24	40.24	0.50 07	01	4	XX
099-002-000	01292015	2028904	90880	807858	PLOWS (BLADES/SHOE		0.00	30.71	30.71	1.50 07	01	10	XX
099-002-000	02122010	2021449	0	0	PLOWS (BLADES/SHOE		14.94	24.09	39.03	1.00 0000000005			
099-002-000	12282009	2021195	33590	33592	PLOWS (BLADES/SHOE		180.74	36.14	216.88	1.50 0000000004			
099-002-000	12202009	2021164	33200	33202	PLOWS (BLADES/SHOE		0.00	24.09	24.09	1.00 0000000005			
099-002-000	12202009	2021161	33280	33283	PLOWS (BLADES/SHOE		0.00	12.05	12.05	0.50 0000000005			
099-002-000	12212009	2021141	0	0	PLOWS (BLADES/SHOE		0.00	24.09	24.09	1.00 0000000005			
099-002-000	12092009	2021045	0	0	PLOWS (BLADES/SHOE		1.86	48.18	50.04	2.00 0000000005			
099-002-000	01262009	2019635	21060	21064	PLOWS (BLADES/SHOE		123.99	53.14	177.13	2.00 0000000003			
099-007-000	07112014	2028657	0	0	ONSPOTS ONSPOT INS		0.00	61.42	61.42	3.00 0000000007			
099-007-000	07082014	2028570	90870	90875	ONSPOTS ONSPOT INS		446.41	447.91	894.32	18.00 0000000005			
099-007-000	02132014	2027994	85610	85618	ONSPOTS ONSPOT INS		1.25	49.77	51.02	2.00 0000000006			
099-007-000	01212014	2027932	84560	84561	ONSPOTS ONSPOT INS		88.65	24.88	113.53	1.00 0000000006			
099-007-000	01212014	2027881	0	0	ONSPOTS ONSPOT INS		50.94	20.47	71.41	1.00 0000000007			
099-007-000	12132013	2027844	0	0	ONSPOTS ONSPOT INS		1.71	10.24	11.95	0.50 0000000007			
099-007-000	12102013	2027636	0	0	ONSPOTS ONSPOT INS		39.92	20.47	60.39	1.00 0000000007			
099-007-000	11132013	2027575	0	0	ONSPOTS ONSPOT INS		1.82	70.03	71.85	2.00 0000000003			
099-007-000	11072013	2027558	0	0	ONSPOTS ONSPOT INS		890.80	214.96	1105.76	10.50 0000000007			
099-007-000	05302013	2026945	77650	77650	ONSPOTS ONSPOT INS		982.04	205.02	1187.06	9.00 0000000005			
099-007-000	01042013	2026460	0	0	ONSPOTS ONSPOT INS		25.00	100.98	125.98	3.00 0000000003			
099-007-000	10032012	2025830	115700	115700	ONSPOTS ONSPOT INS		37.58	11.39	48.97	0.50 0000000005			
099-007-000	09132012	2025715	0	0	ONSPOTS ONSPOT INS		27.02	33.66	60.68	1.00 0000000003			
099-007-000	03162012	2024913	63310	63311	ONSPOTS ONSPOT INS		0.00	22.78	22.78	1.00 0000000006			
099-007-000	10042011	2024197	56190	56195	ONSPOTS ONSPOT INS		7.32	19.82	27.14	1.00 0000000008			
099-007-000	11182010	2022693	43720	43720	ONSPOTS ONSPOT INS		485.00	79.71	564.71	3.00 0000000003			
099-007-000	07192010	2022181	0	0	ONSPOTS ONSPOT INS		59.98	19.82	79.80	1.00 0000000008			
099-007-000	12282009	2021191	0	0	ONSPOTS ONSPOT INS		89.56	53.14	142.70	2.00 0000000003			
099-007-000	10262009	2020877	30510	30511	ONSPOTS ONSPOT INS		8.00	66.42	74.42	2.50 0000000003			
099-007-000	04302009	2019946	24320	24329	ONSPOTS ONSPOT INS		0.00	19.93	19.93	0.75 0000000003			
099-007-000	01232009	2019629	0	0	ONSPOTS ONSPOT INS		123.99	79.71	203.70	3.00 0000000003			
099-007-000	01092009	2019558	20320	20323	ONSPOTS ONSPOT INS		0.00	48.18	48.18	2.00 0000000004			
099-007-000	02222008	2018606	12190	12198	ONSPOTS ONSPOT INS		37.85	19.82	57.67	1.00 0000000006			
099-007-000	06292007	2017924	5470	5479	ONSPOTS ONSPOT INS		0.00	49.55	49.55	2.50 0000000008			
099-007-000	11132006	2017201	700	706	ONSPOTS ONSPOT INS		0.00	158.56	158.56	8.00 0000000008			
099-007-000	11172006	2017172	700	700	ONSPOTS ONSPOT INS		0.00	24.09	24.09	1.00 0000000005			
099-007-000	10062006	2017098	170	170	ONSPOTS ONSPOT INS		191.06	79.28	270.34	4.00 0000000006			
099-007-000	10022006	2017067	170	170	ONSPOTS ONSPOT INS		0.00	79.28	79.28	4.00 0000000008			
099-009-000	09192011	2024163	55410	55410	DIAGNOSIS		186.14	24.09	210.23	1.00 0000000005			

TOWN OF ..ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000 DATE: FIRST VEHICLE:: H6
ENDING VMRS CODE: 999-999-999 DATE: LAST VEHICLE: H6

UNIT: H6 LF MTR: 124550.0 CUR MTR: 124550.0 YR: 07 MAKE: FORD DEPT: PW SIZE: L CLASS: PICKUP FUEL: D

VMRS Code	DATE	WO NUM	LF MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
099-010-000	03092017	2032029	120640	120638	FABRICATION/WELDIN		20.00	58.66	78.66	2.00 06	01	4	XX
099-010-000	02192013	2026421	0	0	FABRICATION/WELDIN		0.00	45.56	45.56	2.00 0000000006			
099		TOTAL >	ROAD CALL TRAVEL TIM				4783.90	2872.09	7655.99				
730		TITLE >	HOUSEKEEPING										
730-005-000	12152015	2030275	108990	108989	WINDOWS CLEAN		29.71	70.02	99.73	2.00 03	01	12	XX
730		TOTAL >	HOUSEKEEPING				29.71	70.02	99.73				

TOWN OF ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H6
VEHICLE: H6

METER: STANDARD | SUBTOTALS OF VMRS CODES FOR DIVISION > AL | PERIOD: CURRENT

VMRS CODE		QUANTITY	LABOR HRS	LABOR COST	PARTS COST		TOTAL COST	PERCENT	TOT COST /METER
002	CAB/SHEET METALS	2	3.00	77.01	168.49		245.50	1.47%	0.00897
014	FRAME	1	1.00	34.17	40.00		74.17	0.44%	0.00271
017	TIRES,TUBES,LINERS	6	7.30	196.30	1213.83		1410.13	8.44%	0.05150
032	CRANKING SYSTEM	3	4.00	111.53	253.08		364.61	2.18%	0.01332
034	LIGHTING SYSTEM	6	10.40	339.97	72.16		412.13	2.47%	0.01505
043	EXHAUST SYSTEM	1	1.00	24.88	0.00		24.88	0.15%	0.00091
051	GENERAL ACCESSORIES	1	1.00	43.98	11.98		55.96	0.33%	0.00204
052	ELECTRICAL ACCESSRES	2	5.00	99.75	1.04		100.79	0.60%	0.00368
066	PREVENTIVE MAINTENANCE	27	119.50	3025.96	3245.58		6271.54	37.52%	0.22903
099	ROAD CALL TRAVEL TIME	48	118.25	2872.09	4783.90		7655.99	45.80%	0.27959
730	HOUSEKEEPING	1	2.00	70.02	29.71		99.73	0.60%	0.00364
	TOTALS:	98	272.45	6895.66	9819.77	TOT:	16715.43	100.00%	0.61043

TOWN OF ..ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000 DATE: FIRST VEHICLE:: H34
ENDING VMRS CODE: 999-999-999 DATE: LAST VEHICLE: H34

UNIT: H34 LF MTR: 36336.0 CUR MTR: 36336.0 YR: 04 MAKE: STERLING DEPT: PW SIZE: H CLASS: 5-TON DU FUEL: D

VMRS Code	DATE	WO NUM	LF-MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
001		TITLE >	A/C, HEAT, VENTILATI										
001-000-000	12222016	2031721	35220	35219	A/C, HEAT, VENTILA		8.64	29.33	37.97	1.00 06	01	4	XX
001-029-000	03032015	2029166	33490	33486	HEATER MOTOR LEFT		63.46	24.88	88.34	1.00 06	01	4	XX
001		TOTAL >	A/C, HEAT, VENTILATI				72.10	54.21	126.31				
002		TITLE >	CAB/SHEET METALS										
002-056-000	01262015	2028757	218480	3068	MIRROR ARM OR BRAC		26.75	24.88	51.63	1.00 05	01	4	XX
002		TOTAL >	CAB/SHEET METALS				26.75	24.88	51.63				
013		TITLE >	BRAKES										
013-000-000	05192016	2031032	34820	34817	BRAKES		91.16	487.78	578.94	15.00 05	01	4	XX
013-000-000	03232015	2029327	33970	33966	BRAKES		0.00	95.25	95.25	3.00 04	01	4	XX
013-000-000	10142011	2024234	25130	25130	BRAKES		130.66	39.64	170.30	2.00 0000000008			
013-000-000	03182010	2021627	20110	20115	BRAKES		200.54	69.37	269.91	3.50 0000000008			
013-000-000	03152010	2021604	20110	20110	BRAKES		37.38	99.10	136.48	5.00 0000000008			
013-000-000	03042010	2021554	61110	61119	BRAKES		0.00	39.64	39.64	2.00 0000000008			
013-000-000	02172010	2021440	19870	19873	BRAKES		0.00	24.09	24.09	1.00 0000000004			
013-000-000	12192009	2021129	0	0	BRAKES		0.00	9.91	9.91	0.50 0000000008			
013-000-000	05062009	2019975	0	0	BRAKES		86.09	96.36	182.45	4.00 0000000005			
013-000-000	09172008	2019198	16330	16333	BRAKES		4.00	48.18	52.18	2.00 0000000004			
013-000-000	10242007	2018243	12470	12472	BRAKES		0.00	72.27	72.27	3.00 0000000004			
013-000-000	05172006	2016895	9180	9183	BRAKES		49.16	72.27	121.43	3.00 0000000004			
013		TOTAL >	BRAKES				598.99	1153.86	1752.85				
016		TITLE >	SUSPENSION										
016-005-000	03162017	2032144	36340	36336	SPRING REAR		1389.26	510.86	1900.12	16.00 05	01	4	XX
016		TOTAL >	SUSPENSION				1389.26	510.86	1900.12				
017		TITLE >	TIRES,TUBES,LINERS										
017-000-000	09182015	2030028	33970	33966	TIRES,TUBES,LINERS		0.00	49.76	49.76	2.00 05	01	4	XX
017-000-000	01022014	2027751	28970	28972	TIRES,TUBES,LINERS		315.00	24.88	339.88	1.00 0000000005			
017-000-000	01302012	2024677	24410	24415	TIRES,TUBES,LINERS		209.89	30.53	240.42	1.00 0000000004			
017		TOTAL >	TIRES,TUBES,LINERS				524.89	105.17	630.06				
032		TITLE >	CRANKING SYSTEM										
032-002-000	03092017	2032127	36090	36093	BATTERY		194.39	58.66	253.05	2.00 06	01	4	XX
032		TOTAL >	CRANKING SYSTEM				194.39	58.66	253.05				
034		TITLE >	LIGHTING SYSTEM										
034-006-000	01162015	2028945	31460	31459	BULB, REPLACE EXTE		8.99	24.88	33.87	1.00 05	01	4	XX

TOWN OF ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H34
VEHICLE: H34

UNIT: H34 LF MTR: 36336.0 CUR MTR: 36336.0 YR: 04 MAKE: STERLING DEPT: PW SIZE: H CLASS: 5-TON DU FUEL: D

VMRS Code	DATE	WO NUM	LF-MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
034		TOTAL >	LIGHTING SYSTEM				8.99	24.88	33.87				
042		TITLE >	COOLING SYSTEM										
042-000-000	02082016	2030574	34350	34354	COOLING SYSTEM		251.56	307.72	559.28	10.00 05	01	4	XX
042-000-000	01232016	2030501	34070	34066	COOLING SYSTEM		176.66	271.65	448.31	6.00 05	01	4	XX
042-017-000	12082016	2031630	35080	35075	RADIATOR		447.27	586.60	1033.87	20.00 05	01	4	XX
042		TOTAL >	COOLING SYSTEM				875.49	1165.97	2041.46				
043		TITLE >	EXHAUST SYSTEM										
043-000-000	07152016	2031189	35040	35041	EXHAUST SYSTEM		14.97	67.90	82.87	2.00 04	01	4	XX
043-000-000	03232015	2029327	33970	33966	EXHAUST SYSTEM		10.61	31.75	42.36	1.00 04	01	4	XX
043-009-000	03102017	2032006	36090	36093	EXHAUST PIPE OR FL		29.99	58.66	88.65	2.00 06	01	4	XX
043		TOTAL >	EXHAUST SYSTEM				55.57	158.31	213.88				
044		TITLE >	FUEL SYSTEM										
044-000-000	08032015	2028792	33970	33966	FUEL SYSTEM		3212.88	453.04	3665.92	16.00 05	01	8	XX
044-018-000	01282015	2028792	189630	31916	AIR CLEANER FILTER		128.91	201.64	330.55	7.00 05	01	8	XX
044-030-000	08032015	2028792	33970	33966	INJECTOR PUMP		1241.52	453.04	1694.56	16.00 05	01	8	XX
044		TOTAL >	FUEL SYSTEM				4583.31	1107.72	5691.03				
051		TITLE >	GENERAL ACCESSORIES										
051-038-000	02112017	2032046	36090	36093	WIPER BLADE		11.98	12.06	24.04	0.50 07	01	4	XX
051-038-000	01262015	2028899	32290	32288	WIPER BLADE		11.98	10.24	22.22	0.50 07	01	4	XX
051-038-000	01272015	2028800	189730	31813	WIPER BLADE		0.00	47.62	47.62	1.00 04	01	4	XX
051-038-000	01262015	2028763	31230	252770	WIPER BLADE		11.98	27.74	39.72	1.00 03	01	4	XX
051		TOTAL >	GENERAL ACCESSORIES				35.94	97.66	133.60				
052		TITLE >	ELECTRICAL ACCESSRES										
052-000-000	12312012	2026163	0	0	ELECTRICAL ACCESSR		4.45	151.47	155.92	4.50 0000000003			
052-000-000	01172012	2024614	252770	252770	ELECTRICAL ACCESSR		423.19	33.66	456.85	1.00 0000000003			
052-000-000	04142004	2014472	0	0	ELECTRICAL ACCESSR		10.00	19.82	29.82	1.00 0000000008			
052		TOTAL >	ELECTRICAL ACCESSRES				437.64	204.95	642.59				
065		TITLE >	HYDRAULIC SYSTEMS										
065-000-000	01082017	2031817	35330	35325	HYDRAULIC SYSTEMS		44.55	94.90	139.45	2.00 05	01	4	XX
065-004-000	03292016	2030782	34780	34778	HYDRAULIC CYLINDER		595.99	272.50	868.49	10.00 05	01	4	XX
065-006-000	02272015	2029159	33490	33486	HYD HOSE/FITTINGS		117.86	20.47	138.33	1.00 07	01	4	XX
065-006-000	03112015	2028759	31230	252770	HYD HOSE/FITTINGS		31.10	24.88	55.98	1.00 05	01	4	XX

TOWN OF ..ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H34
VEHICLE: H34

UNIT: H34 LF MTR: 36336.0 CUR MTR: 36336.0 YR: 04 MAKE: STERLING DEPT: PW SIZE: H CLASS: 5-TON DU FUEL: D

VMRS Code	DATE	WO NUM	LF-MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
065		TOTAL >	HYDRAULIC SYSTEMS				789.50	412.75	1202.25				
066		TITLE >	PREVENTIVE MAINTENAN										
066-001-000	02012013	2026389	26430	26438	PM-A		2005.71	91.59	2097.30	3.00 0000000004			
066-001-000	07032012	2025411	25570	25572	PM-A		198.00	91.59	289.59	3.00 0000000004			
066-001-000	02272012	2024825	16100	16100	PM-A		480.01	683.40	1163.41	30.00 0000000005			
066-001-000	06022010	2021933	20880	20883	PM-A		91.24	89.19	180.43	4.50 0000000008			
066-001-000	07292008	2019031	16070	16071	PM-A		195.82	72.27	268.09	3.00 0000000005			
066-001-000	03282007	2017717	11570	11573	PM-A		0.00	118.92	118.92	6.00 0000000008			
066-001-000	12062005	2016142	6400	6400	PM-A		181.58	144.54	326.12	6.00 0000000004			
066-002-000	12292015	2030381	34060	34055	PM-B		229.76	109.00	338.76	4.00 06	XX	8	XX
066-002-000	11072007	2018311	12490	12496	PM-B		183.87	144.54	328.41	6.00 0000000004			
066-002-000	04052005	2015472	0	0	PM-B		9.36	48.18	57.54	2.00 0000000005			
066-003-000	07272012	2025559	25570	25572	PM-C		254.90	273.36	528.26	12.00 0000000006			
066		TOTAL >	PREVENTIVE MAINTENAN				3830.25	1866.58	5696.83				
071		TITLE >	BODY										
071-000-000	01162015	2028945	31460	31459	BODY		0.00	49.76	49.76	2.00 05	01	4	XX
071		TOTAL >	BODY				0.00	49.76	49.76				
099		TITLE >	ROAD CALL TRAVEL TIM										
099-000-000	12262010	2023126	0	0	ROAD CALL TRAVEL T		209.89	72.27	282.16	2.00 0000000005			
099-000-000	12192008	2019500	0	0	ROAD CALL TRAVEL T		0.00	24.09	24.09	1.00 0000000004			
099-002-000	03142017	2032136	36340	36336	PLOWS (BLADES/SHOE		5.54	67.90	73.44	2.00 04	01	4	XX
099-002-000	03222017	2032058	36090	36093	PLOWS (BLADES/SHOE		471.16	24.12	495.28	1.00 07	01	4	XX
099-002-000	01062017	2031805	35330	35325	PLOWS (BLADES/SHOE		100.15	92.61	192.76	3.00 04	01	4	XX
099-002-000	11292016	2031659	35080	35075	PLOWS (BLADES/SHOE		391.18	29.33	420.51	1.00 05	01	4	XX
099-002-000	02222016	2030627	34660	34659	PLOWS (BLADES/SHOE		91.18	27.25	118.43	1.00 05	01	4	XX
099-002-000	03202015	2029310	33740	33741	PLOWS (BLADES/SHOE		457.96	66.76	524.72	2.00 03	01	4	XX
099-002-000	03022015	2029145	33490	33486	PLOWS (BLADES/SHOE		70.97	30.71	101.68	1.50 07	01	4	XX
099-002-000	02232015	2029124	33180	33178	PLOWS (BLADES/SHOE		490.82	30.71	521.53	1.50 07	01	4	XX
099-002-000	02232015	2029118	33180	33178	PLOWS (BLADES/SHOE		457.96	52.22	510.18	2.00 07	01	4	XX
099-002-000	02172015	2029048	32940	32936	PLOWS (BLADES/SHOE		0.00	20.47	20.47	1.00 07	01	4	XX
099-002-000	02162015	2029033	32290	32288	PLOWS (BLADES/SHOE		427.96	84.94	512.90	2.00 05	01	4	XX
099-002-000	01212015	2028947	31520	31518	PLOWS (BLADES/SHOE		0.00	24.88	24.88	1.00 05	01	4	XX
099-002-000	01262015	2028899	32290	32288	PLOWS (BLADES/SHOE		108.00	10.24	118.24	0.50 07	01	4	XX
099-002-000	01302015	2028889	32290	32288	PLOWS (BLADES/SHOE		446.00	20.47	466.47	1.00 07	01	4	XX
099-002-000	02042015	2028870	32290	32288	PLOWS (BLADES/SHOE		100.00	56.63	156.63	2.00 05	01	8	XX

TOWN OF ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H34
VEHICLE: H34

UNIT: H34 LF MTR: 36336.0 CUR MTR: 36336.0 YR: 04 MAKE: STERLING DEPT: PW SIZE: H CLASS: 5-TON DU FUEL: D

VMRS Code	DATE	WO NUM	LF MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
099-002-000	01262015	2028767	31230	252770	PLOWS (BLADES/SHOE		415.13	20.47	435.60	1.00 07	01	10	XX
099-002-000	01262015	2028766	31230	252770	PLOWS (BLADES/SHOE		351.96	20.47	372.43	1.00 07	01	10	XX
099-002-000	01262015	2028757	218480	3068	PLOWS (BLADES/SHOE		0.00	24.88	24.88	1.00 05	01	4	XX
099-002-000	01242015	2028752	189870	31678	PLOWS (BLADES/SHOE		59.98	78.32	138.30	2.00 07	01	4	XX
099-002-000	02252015	2028711	31230	252770	PLOWS (BLADES/SHOE		50.00	62.45	112.45	2.00 07	01	11	XX
099-002-000	01082011	2023035	0	0	PLOWS (BLADES/SHOE		0.00	24.09	24.09	1.00 0000000005			
099-002-000	01112009	2019564	0	0	PLOWS (BLADES/SHOE		52.98	19.93	72.91	0.50 0000000003			
099-002-000	12192008	2019504	0	0	PLOWS (BLADES/SHOE		0.00	24.09	24.09	1.00 0000000004			
099-002-000	12202008	2019482	0	0	PLOWS (BLADES/SHOE		48.00	36.14	84.14	1.00 0000000005			
099-002-000	12182007	2018349	12950	12956	PLOWS (BLADES/SHOE		299.12	59.46	358.58	3.00 0000000006			
099-002-000	02152006	2016355	0	0	PLOWS (BLADES/SHOE		0.00	96.36	96.36	4.00 0000000005			
099-002-000	03102005	2015365	0	0	PLOWS (BLADES/SHOE		172.01	48.18	220.19	2.00 0000000005			
099-002-000	02222005	2015323	3100	3100	PLOWS (BLADES/SHOE		265.49	48.18	313.67	2.00 0000000005			
099-002-000	01122005	2015171	0	0	PLOWS (BLADES/SHOE		246.10	9.91	256.01	0.50 0000000008			
099-002-000	12282004	2015149	1600	1602	PLOWS (BLADES/SHOE		92.29	26.57	118.86	1.00 0000000003			
099-002-000	12072004	2015059	0	0	PLOWS (BLADES/SHOE		67.36	59.46	126.82	2.00 0000000008			
099-003-000	01162015	2028945	31460	31459	SPREADERS		0.00	24.88	24.88	1.00 05	01	4	XX
099-003-000	09252009	2020731	18740	18744	SPREADERS		29.67	48.18	77.85	2.00 0000000004			
099-004-000	02152015	2029028	32290	32288	SWING DRIVE CASE		0.00	47.62	47.62	1.00 04	01	10	XX
099-007-000	07092014	2028637	31220	31225	ONSPOTS ONSPOT INS		213.90	381.11	595.01	12.00 0000000004			
099-007-000	06202014	2028623	31220	31225	ONSPOTS ONSPOT INS		46.62	174.19	220.81	7.00 0000000005			
099-007-000	02192014	2028136	0	0	ONSPOTS ONSPOT INS		5.94	30.71	36.65	1.50 0000000007			
099-007-000	02052014	2028049	0	0	ONSPOTS ONSPOT INS		43.36	30.71	74.07	1.50 0000000007			
099-007-000	02052014	2028028	0	0	ONSPOTS ONSPOT INS		0.00	52.52	52.52	1.50 0000000003			
099-007-000	02102014	2028017	30050	30057	ONSPOTS ONSPOT INS		25.85	99.54	125.39	4.00 0000000005			
099-007-000	02132014	2027997	0	0	ONSPOTS ONSPOT INS		69.96	20.47	90.43	1.00 0000000007			
099-007-000	01152014	2027905	29380	29385	ONSPOTS ONSPOT INS		1419.48	311.05	1730.53	12.50 0000000005			
099-007-000	01022014	2027786	29000	29005	ONSPOTS ONSPOT INS		73.96	10.24	84.20	0.50 0000000007			
099-007-000	12312013	2027765	29830	29830	ONSPOTS ONSPOT INS		141.57	24.88	166.45	1.00 0000000006			
099-007-000	01032014	2027761	29860	29860	ONSPOTS ONSPOT INS		66.73	24.88	91.61	1.00 0000000006			
099-007-000	12102013	2027644	0	0	ONSPOTS ONSPOT INS		7.69	24.88	32.57	1.00 0000000005			
099-007-000	10172013	2027485	27810	27810	ONSPOTS ONSPOT INS		742.63	472.80	1215.43	19.00 0000000005			
099-007-000	05282013	2026921	27530	27538	ONSPOTS ONSPOT INS		0.92	45.56	46.48	2.00 0000000006			
099-007-000	03012013	2026646	27320	27329	ONSPOTS ONSPOT INS		7.69	22.78	30.47	1.00 0000000005			
099-007-000	01172013	2026272	26380	26386	ONSPOTS ONSPOT INS		70.08	68.34	138.42	3.00 0000000006			
099-007-000	12272012	2026127	26080	26082	ONSPOTS ONSPOT INS		76.15	46.85	123.00	2.50 0000000007			
099-007-000	06212012	2025358	0	0	ONSPOTS ONSPOT INS		0.00	7.63	7.63	0.25 0000000004			
099-007-000	01242012	2024656	0	0	ONSPOTS ONSPOT INS		7.72	33.66	41.38	1.00 0000000003			
099-007-000	11102011	2024410	25210	25214	ONSPOTS ONSPOT INS		0.00	24.09	24.09	1.00 0000000005			
099-007-000	11032011	2024390	25140	25142	ONSPOTS ONSPOT INS		1167.23	297.30	1464.53	15.00 0000000006			
099-007-000	09092011	2024122	24530	24536	ONSPOTS ONSPOT INS		3.34	19.82	23.16	1.00 0000000008			
099-007-000	03292011	2023444	23120	23129	ONSPOTS ONSPOT INS		49.12	96.36	145.48	4.00 0000000004			
099-007-000	02112011	2023211	0	0	ONSPOTS ONSPOT INS		0.00	9.91	9.91	0.50 0000000008			
099-007-000	12132010	2022846	21080	21081	ONSPOTS ONSPOT INS		839.79	49.55	889.34	2.50 0000000008			
099-007-000	11302010	2022746	21080	21080	ONSPOTS ONSPOT INS		37.65	118.92	156.57	6.00 0000000008			

TOWN OF ..ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H34
VEHICLE: H34

UNIT: H34 LF MTR: 36336.0 CUR MTR: 36336.0 YR: 04 MAKE: STERLING DEPT: PW SIZE: H CLASS: 5-TON DU FUEL: D

VMRS Code	DATE	WO NUM	LF MILS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
099-007-000	11222010	2022707	21080	21080	ONSPOTS ONSPOT INS		29.74	79.71	109.45	3.00 0000000003			
099-007-000	04052010	2021728	20510	20515	ONSPOTS ONSPOT INS		0.00	72.27	72.27	3.00 0000000004			
099-007-000	02232010	2021499	0	0	ONSPOTS ONSPOT INS		0.00	24.09	24.09	1.00 0000000005			
099-007-000	01222010	2021340	19360	19360	ONSPOTS ONSPOT INS		85.68	49.55	135.23	2.50 0000000008			
099-007-000	12182009	2021119	18900	18902	ONSPOTS ONSPOT INS		59.34	26.57	85.91	1.00 0000000003			
099-007-000	06102009	2020172	0	0	ONSPOTS ONSPOT INS		0.00	24.09	24.09	1.00 0000000005			
099-007-000	05062009	2019975	0	0	ONSPOTS ONSPOT INS		0.00	132.85	132.85	5.00 0000000003			
099-007-000	03062009	2019745	18150	18154	ONSPOTS ONSPOT INS		6.99	39.64	46.63	2.00 0000000006			
099-007-000	02252009	2019710	17890	17896	ONSPOTS ONSPOT INS		68.52	72.27	140.79	3.00 0000000004			
099-007-000	01222009	2019620	0	0	ONSPOTS ONSPOT INS		0.00	24.09	24.09	1.00 0000000005			
099-007-000	12192008	2019505	0	0	ONSPOTS ONSPOT INS		0.00	24.09	24.09	1.00 0000000004			
099-007-000	12102008	2019439	0	0	ONSPOTS ONSPOT INS		28.98	12.05	41.03	0.50 0000000005			
099-007-000	10082008	2019249	0	0	ONSPOTS ONSPOT INS		9.17	79.28	88.45	4.00 0000000008			
099-007-000	07032008	2018964	15960	15960	ONSPOTS ONSPOT INS		130.66	53.14	183.80	2.00 0000000003			
099-007-000	02282008	2018693	13720	13721	ONSPOTS ONSPOT INS		0.00	29.73	29.73	1.50 0000000008			
099-007-000	02292008	2018689	0	0	ONSPOTS ONSPOT INS		319.04	24.09	343.13	1.00 0000000005			
099-007-000	12122007	2018430	0	0	ONSPOTS ONSPOT INS		0.00	49.55	49.55	2.50 0000000006			
099-007-000	04112007	2017725	11660	11668	ONSPOTS ONSPOT INS		146.93	99.10	246.03	5.00 0000000008			
099-007-000	03282007	2017717	11570	11573	ONSPOTS ONSPOT INS		114.87	9.91	124.78	0.50 0000000008			
099-007-000	03202007	2017640	11350	11358	ONSPOTS ONSPOT INS		0.00	19.82	19.82	1.00 0000000006			
099-007-000	12122006	2017239	0	0	ONSPOTS ONSPOT INS		0.00	48.18	48.18	2.00 0000000005			
099-007-000	11172006	2017163	10250	10255	ONSPOTS ONSPOT INS		0.00	48.18	48.18	2.00 0000000004			
099-007-000	10022006	2017069	10220	10221	ONSPOTS ONSPOT INS		24.95	19.82	44.77	1.00 0000000008			
099-007-000	04192006	2016547	8680	8681	ONSPOTS ONSPOT INS		4.29	72.27	76.56	3.00 0000000004			
099-007-000	02152006	2016355	0	0	ONSPOTS ONSPOT INS		386.08	13.28	399.36	0.50 0000000003			
099-007-000	02152006	2016323	0	0	ONSPOTS ONSPOT INS		0.00	48.18	48.18	2.00 0000000005			
099-007-000	02242006	2016310	7190	7190	ONSPOTS ONSPOT INS		71.58	19.82	91.40	1.00 0000000008			
099-007-000	02162005	2015301	0	0	ONSPOTS ONSPOT INS		15.70	0.00	15.70	0.00 0000000010			
099-007-000	10182004	2014931	890	895	ONSPOTS ONSPOT INS		121.00	48.18	169.18	2.00 0000000004			
099-007-000	07302004	2014718	0	0	ONSPOTS ONSPOT INS		0.00	24.09	24.09	1.00 0000000005			
099-007-000	03302004	2014322	0	0	ONSPOTS ONSPOT INS		3.57	0.00	3.57	0.00 0000000010			
099-009-000	02102014	2028027	0	0	DIAGNOSIS		0.00	17.51	17.51	0.50 0000000003			
099-009-000	12292012	2026197	0	0	DIAGNOSIS		0.00	51.26	51.26	1.50 0000000006			
099-009-000	06222012	2025360	0	0	DIAGNOSIS		0.00	45.56	45.56	2.00 0000000006			
099-010-000	02212014	2028130	30630	30637	FABRICATION/WELDIN		0.00	99.54	99.54	4.00 0000000005			
099-010-000	10232012	2025899	0	0	FABRICATION/WELDIN		0.00	93.70	93.70	5.00 0000000007			
099-041-000	08182017	2032703	36340	36336	REPAIRS		60.00	175.98	235.98	6.00 06	01	4	XX
099-041-000	04112017	2032153	36340	36336	REPAIRS		132.72	126.56	259.28	4.00 04	01	4	XX
099-041-000	02092017	2031964	35330	35325	REPAIRS		0.00	61.55	61.55	2.00 07	01	4	XX
099-041-000	01252016	2030525	34180	34177	REPAIRS		457.13	397.44	854.57	12.00 04	01	4	XX
099-041-000	10052015	2030279	33970	33966	REPAIRS		313.12	984.25	1297.37	31.00 04	01	4	XX
099-121-000	02082016	2030552	34180	34177	PARTS RUN		0.00	22.41	22.41	1.00 07	01	4	XX
099		TOTAL >	ROAD CALL TRAVEL TIM				13686.30	7377.64	21063.94				

TOWN OF ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: H34
VEHICLE: H34

METER: STANDARD				SUBTOTALS OF VMRS CODES FOR DIVISION > AL			PERIOD: CURRENT		
VMRS CODE		QUANTITY	LABOR HRS	LABOR COST	PARTS COST		TOTAL COST	PERCENT	TOT COST /METER
001	A/C, HEAT, VENTILATION	2	2.00	54.21	72.10		126.31	0.30%	0.03120
002	CAB/SHEET METALS	1	1.00	24.88	26.75		51.63	0.12%	0.01275
013	BRAKES	12	44.00	1153.86	598.99		1752.85	4.23%	0.43302
016	SUSPENSION	1	16.00	510.86	1389.26		1900.12	4.58%	0.46940
017	TIRES,TUBES,LINERS	3	4.00	105.17	524.89		630.06	1.52%	0.15565
032	CRANKING SYSTEM	1	2.00	58.66	194.39		253.05	0.61%	0.06251
034	LIGHTING SYSTEM	1	1.00	24.88	8.99		33.87	0.08%	0.00837
042	COOLING SYSTEM	3	36.00	1165.97	875.49		2041.46	4.92%	0.50431
043	EXHAUST SYSTEM	3	5.00	158.31	55.57		213.88	0.52%	0.05284
044	FUEL SYSTEM	3	39.00	1107.72	4583.31		5691.03	13.72%	1.40589
051	GENERAL ACCESSORIES	4	3.00	97.66	35.94		133.60	0.32%	0.03300
052	ELECTRICAL ACCESSRES	3	6.50	204.95	437.64		642.59	1.55%	0.15874
065	HYDRAULIC SYSTEMS	4	14.00	412.75	789.50		1202.25	2.90%	0.29700
066	PREVENTIVE MAINTENANCE	11	79.50	1866.58	3830.25		5696.83	13.73%	1.40732
071	BODY	1	2.00	49.76	0.00		49.76	0.12%	0.01229
099	ROAD CALL TRAVEL TIME	104	282.75	7377.64	13686.30		21063.94	50.78%	5.20354
	TOTALS:	157	537.75	14373.86	27109.37	TOT:	41483.23	100.00%	10.24783

TOWN OF ..ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: S30
VEHICLE: S30

UNIT: S30 LF MTR: 13720.0 CUR MTR: 13039.0 YR: 01 MAKE: VOLVO DEPT: PW SIZE: H CLASS: EXCAVATO FUEL: D

VMRS Code	DATE	WO NUM	LF-UNTS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
011		TITLE >	AXLES, FRONT NON-DRI										
011-000-000	02022010	2021381	0	681-	AXLES, FRONT NON-D		5149.09	693.70	5842.79	35.00 0000000008			
011-000-000	01272010	2021380	0	681-	AXLES, FRONT NON-D		3280.34	317.12	3597.46	16.00 0000000008			
011-000-000	01072010	2021378	0	681-	AXLES, FRONT NON-D		5003.94	96.36	5100.30	4.00 0000000004			
011		TOTAL >	AXLES, FRONT NON-DRI				13433.37	1107.18	14540.55				
014		TITLE >	FRAME										
014-000-000	07082011	2023868	0	681-	FRAME		90.62	120.45	211.07	5.00 0000000004			
014		TOTAL >	FRAME				90.62	120.45	211.07				
017		TITLE >	TIRES,TUBES,LINERS										
017-000-000	06122015	2029545	12460	11778	TIRES,TUBES,LINERS		7180.00	0.00	7180.00	0.00	01	12	XX
017-000-000	05022014	2028405	11090	11097	TIRES,TUBES,LINERS		0.00	63.52	63.52	2.00 0000000004			
017-000-000	04172013	2026751	0	681-	TIRES,TUBES,LINERS		0.00	45.56	45.56	2.00 0000000005			
017		TOTAL >	TIRES,TUBES,LINERS				7180.00	109.08	7289.08				
042		TITLE >	COOLING SYSTEM										
042-001-000	08052015	2029892	19830	19146	COOLANT ADD		13.90	24.88	38.78	1.00 05	01	4	XX
042		TOTAL >	COOLING SYSTEM				13.90	24.88	38.78				
044		TITLE >	FUEL SYSTEM										
044-000-000	06222017	2032473	13680	12997	FUEL SYSTEM		0.00	135.80	135.80	4.00 04	01	4	XX
044		TOTAL >	FUEL SYSTEM				0.00	135.80	135.80				
065		TITLE >	HYDRAULIC SYSTEMS										
065-000-000	07172017	2032579	13720	13035	HYDRAULIC SYSTEMS		28.21	135.80	164.01	4.00 04	01	4	XX
065-006-000	09262016	2031473	13310	12628	HYD HOSE/FITTINGS		32.86	58.66	91.52	2.00 05	01	4	XX
065		TOTAL >	HYDRAULIC SYSTEMS				61.07	194.46	255.53				
066		TITLE >	PREVENTIVE MAINTENAN										
066-001-000	05022014	2028405	11090	11097	PM-A		93.93	149.30	243.23	6.00 0000000005			
066-001-000	07312013	2027196	0	681-	PM-A		296.53	447.91	744.44	18.00 0000000006			
066-001-000	11162011	2024456	0	681-	PM-A		232.94	89.19	322.13	4.50 0000000008			
066-001-000	10272011	2024301	0	681-	PM-A		79.01	188.29	267.30	9.50 0000000008			
066-001-000	08262010	2022337	0	681-	PM-A		102.00	89.19	191.19	4.50 0000000008			
066-001-000	01122010	2021379	0	681-	PM-A		7814.25	317.12	8131.37	16.00 0000000008			
066-001-000	11142008	2019375	0	681-	PM-A		0.00	48.18	48.18	2.00 0000000004			

TOWN OF ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000 DATE: FIRST VEHICLE:: S30
ENDING VMRS CODE: 999-999-999 DATE: LAST VEHICLE: S30

UNIT: S30 LF MTR: 13720.0 CUR MTR: 13039.0 YR: 01 MAKE: VOLVO DEPT: PW SIZE: H CLASS: EXCAVATO FUEL: D

VMRS Code	DATE	WO NUM	LF-UNTS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
066-001-000	01112008	2018467	0	681-	PM-A		5741.55	626.34	6367.89	26.00 0000000004			
066-001-000	01262007	2017474	0	681-	PM-A		137.28	158.56	295.84	8.00 0000000008			
066-001-000	01202006	2016326	0	681-	PM-A		337.71	158.56	496.27	8.00 0000000008			
066-001-000	02092005	2015269	0	681-	PM-A		0.00	79.28	79.28	4.00 0000000008			
066-001-000	10012003	2013816	0	681-	PM-A		168.03	79.71	247.74	3.00 0000000003			
066-001-000	07172002	2012498	0	681-	PM-A		215.01	53.14	268.15	2.00 0000000003			
066-002-000	06132016	2030936	13070	12390	PM-B		432.25	343.32	775.57	12.00 06	01	8	XX
066-002-000	05312016	2031019	13070	12390	PM-B		417.23	0.00	417.23	0.00	XX	8	XX
066		TOTAL >	PREVENTIVE MAINTENAN				16067.72	2828.09	18895.81				
099		TITLE >	ROAD CALL TRAVEL TIM										
099-000-000	06112015	2029636	12460	11778	ROAD CALL TRAVEL T		0.00	30.71	30.71	1.50 07	01	10	XX
099-000-000	04152013	2026780	0	681-	ROAD CALL TRAVEL T		0.00	22.78	22.78	1.00 0000000005			
099-000-000	06152011	2023751	0	681-	ROAD CALL TRAVEL T		0.00	39.64	39.64	2.00 0000000008			
099-000-000	05312011	2023702	0	681-	ROAD CALL TRAVEL T		0.00	53.14	53.14	2.00 0000000003			
099-000-000	04062010	2021732	0	681-	ROAD CALL TRAVEL T		0.00	24.09	24.09	1.00 0000000004			
099-000-000	02112008	2018579	0	681-	ROAD CALL TRAVEL T		7.96	48.18	56.14	2.00 0000000004			
099-000-000	04172002	2012250	0	681-	ROAD CALL TRAVEL T		80.16	46.68	126.84	2.00 0000000004			
099-001-000	09212017	2032816	13720	13039	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	08312017	2032795	13720	13039	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	09072017	2032788	13720	13039	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	08242017	2032723	13720	13039	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	07272017	2032681	13720	13039	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	08032017	2032669	13720	13039	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	07062017	2032545	13680	12997	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	06012017	2032501	13680	12997	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	06082017	2032492	13680	12997	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	05222017	2032411	13370	12688	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	04132017	2032359	13370	12688	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	05042017	2032325	13370	12688	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	4	XX
099-001-000	03272017	2032259	13370	12688	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	04062017	2032233	13370	12688	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	03062017	2032094	13370	12688	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	4	XX
099-001-000	02232017	2032040	13370	12688	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	01302017	2031921	13370	12688	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	4	XX
099-001-000	12062016	2031752	13370	12688	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	12222016	2031732	13370	12688	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	11082016	2031626	13340	12660	ROAD SERVICE ROAD		0.00	58.66	58.66	2.00 05	01	10	XX

TOWN OF ..ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: S30
VEHICLE: S30

UNIT: S30 LF MTR: 13720.0 CUR MTR: 13039.0 YR: 01 MAKE: VOLVO DEPT: PW SIZE: H CLASS: EXCAVATO FUEL: D

VMRS Code	DATE	WO NUM	LF UNTS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC	RC	WA
099-001-000	11142016	2031578	13320	12640	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	10272016	2031569	13320	12640	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	11032016	2031553	13320	12640	ROAD SERVICE ROAD		0.00	12.06	12.06	0.50 07	01	10	XX
099-001-000	10202016	2031515	13310	12628	ROAD SERVICE ROAD		0.00	11.49	11.49	0.50 07	01	10	XX
099-001-000	09242016	2031439	13070	12390	ROAD SERVICE ROAD		0.00	11.49	11.49	0.50 07	01	10	XX
099-001-000	08252016	2031394	13070	12390	ROAD SERVICE ROAD		0.00	11.49	11.49	0.50 07	01	10	XX
099-001-000	09012016	2031383	13070	12390	ROAD SERVICE ROAD		0.00	11.49	11.49	0.50 07	01	10	XX
099-001-000	09082016	2031376	13070	12390	ROAD SERVICE ROAD		0.00	11.49	11.49	0.50 07	01	11	XX
099-001-000	08182016	2031324	13070	12390	ROAD SERVICE ROAD		0.00	11.49	11.49	0.50 07	01	10	XX
099-001-000	07282016	2031290	13070	12390	ROAD SERVICE ROAD		0.00	11.49	11.49	0.50 07	01	10	XX
099-001-000	08072016	2031248	13070	12390	ROAD SERVICE ROAD		0.00	11.49	11.49	0.50 07	01	10	XX
099-001-000	06302016	2031178	13070	12390	ROAD SERVICE ROAD		0.00	33.62	33.62	1.50 07	01	10	XX
099-001-000	07112016	2031166	13070	12390	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	06232016	2031102	13070	12390	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	05092016	2030947	13070	12390	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	05122016	2030943	13070	12390	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	04282016	2030899	19830	19146	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	04212016	2030882	19830	19146	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	03312016	2030866	19830	19146	ROAD SERVICE ROAD		0.00	1.12	1.12	0.05 07	01	10	XX
099-001-000	03172016	2030778	19830	19146	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	03242016	2030771	19830	19146	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	11	XX
099-001-000	03212016	2030754	19830	19146	ROAD SERVICE ROAD		0.00	33.12	33.12	1.00 04	01	10	XX
099-001-000	02252016	2030661	19830	19146	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	02182016	2030650	19830	19146	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	01282016	2030561	19830	19146	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	01072016	2030363	19830	19146	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	01042016	2030361	19830	19146	ROAD SERVICE ROAD		0.00	11.21	11.21	0.50 07	01	10	XX
099-001-000	09102015	2030038	19830	19146	ROAD SERVICE ROAD		0.00	30.71	30.71	1.50 07	01	10	XX
099-001-000	09062015	2029874	12460	11778	ROAD SERVICE ROAD		0.00	10.24	10.24	0.50 07	01	10	XX
099-001-000	07162015	2029800	12460	11778	ROAD SERVICE ROAD		0.00	10.24	10.24	0.50 07	01	4	XX
099-001-000	07092015	2029694	12460	11778	ROAD SERVICE ROAD		0.00	10.24	10.24	0.50 07	01	10	XX
099-001-000	06182015	2029655	12460	11778	ROAD SERVICE ROAD		0.00	10.24	10.24	0.50 07	01	11	XX
099-001-000	04232014	2029471	11780	11778	ROAD SERVICE ROAD		0.00	15.88	15.88	0.50 04	01	4	XX
099-001-000	03122015	2029276	11100	11097	ROAD SERVICE ROAD		0.00	102.35	102.35	5.00 07	01	4	XX
099-001-000	02122015	2028849	11100	11097	ROAD SERVICE ROAD		0.00	10.24	10.24	0.50 07	01	10	XX
099-007-000	03072014	2028212	0	681-	ONSPOTS ONSPOT INS		51.49	127.04	178.53	4.00 0000000004			
099-007-000	07092013	2027094	0	681-	ONSPOTS ONSPOT INS		9.58	20.47	30.05	1.00 0000000007			
099-007-000	06242013	2027055	0	681-	ONSPOTS ONSPOT INS		0.00	68.34	68.34	3.00 0000000005			
099-007-000	06132013	2027019	0	681-	ONSPOTS ONSPOT INS		0.00	22.78	22.78	1.00 0000000006			
099-007-000	03132013	2026702	0	681-	ONSPOTS ONSPOT INS		49.98	103.07	153.05	5.50 0000000007			
099-007-000	03072013	2026685	0	681-	ONSPOTS ONSPOT INS		386.12	227.80	613.92	10.00 0000000006			
099-007-000	03262012	2024980	0	681-	ONSPOTS ONSPOT INS		0.00	61.06	61.06	2.00 0000000004			
099-007-000	12122011	2024511	0	681-	ONSPOTS ONSPOT INS		0.00	432.82	432.82	19.00 0000000005			
099-007-000	10252011	2024285	0	681-	ONSPOTS ONSPOT INS		0.00	19.82	19.82	1.00 0000000006			
099-007-000	10072011	2024248	0	681-	ONSPOTS ONSPOT INS		305.26	49.55	354.81	2.50 0000000008			

TOWN OF ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000 DATE: FIRST VEHICLE:: S30
ENDING VMRS CODE: 999-999-999 DATE: LAST VEHICLE: S30

UNIT: S30 LF MTR: 13720.0 CUR MTR: 13039.0 YR: 01 MAKE: VOLVO DEPT: PW SIZE: H CLASS: EXCAVATO FUEL: D

VMRS Code	DATE	WO NUM	LF-UNTS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC RC WA
099-007-000	08022011	2023957	0	681-	ONSPOTS ONSPOT INS		0.00	29.73	29.73	1.50 0000000008	
099-007-000	07072011	2023855	0	681-	ONSPOTS ONSPOT INS		20.07	24.09	44.16	1.00 0000000004	
099-007-000	07142011	2023840	0	681-	ONSPOTS ONSPOT INS		179.54	13.28	192.82	0.50 0000000003	
099-007-000	05092011	2023615	0	681-	ONSPOTS ONSPOT INS		0.00	24.09	24.09	1.00 0000000004	
099-007-000	11082010	2022678	0	681-	ONSPOTS ONSPOT INS		0.00	39.64	39.64	2.00 0000000008	
099-007-000	11022010	2022644	0	681-	ONSPOTS ONSPOT INS		0.00	39.64	39.64	2.00 0000000008	
099-007-000	11042010	2022638	0	681-	ONSPOTS ONSPOT INS		0.00	39.64	39.64	2.00 0000000008	
099-007-000	11052010	2022636	0	681-	ONSPOTS ONSPOT INS		207.10	59.46	266.56	3.00 0000000008	
099-007-000	10152010	2022550	0	681-	ONSPOTS ONSPOT INS		0.00	39.64	39.64	2.00 0000000008	
099-007-000	02032010	2021402	0	681-	ONSPOTS ONSPOT INS		0.00	48.18	48.18	2.00 0000000005	
099-007-000	02022010	2021373	0	681-	ONSPOTS ONSPOT INS		0.00	59.46	59.46	3.00 0000000008	
099-007-000	12242009	2021240	0	681-	ONSPOTS ONSPOT INS		2834.99	409.53	3244.52	17.00 0000000004	
099-007-000	12222009	2021145	0	681-	ONSPOTS ONSPOT INS		0.00	158.56	158.56	8.00 0000000008	
099-007-000	12212009	2021144	0	681-	ONSPOTS ONSPOT INS		0.00	72.27	72.27	3.00 0000000004	
099-007-000	11262008	2019386	0	681-	ONSPOTS ONSPOT INS		66.16	19.82	85.98	1.00 0000000008	
099-007-000	11212008	2019371	0	681-	ONSPOTS ONSPOT INS		0.00	158.56	158.56	8.00 0000000008	
099-007-000	10312008	2019306	0	681-	ONSPOTS ONSPOT INS		99.24	158.56	257.80	8.00 0000000008	
099-007-000	09292008	2019174	0	681-	ONSPOTS ONSPOT INS		10.28	12.05	22.33	0.50 0000000004	
099-007-000	06112008	2018909	0	681-	ONSPOTS ONSPOT INS		303.98	19.82	323.80	1.00 0000000008	
099-007-000	06092007	2017856	0	681-	ONSPOTS ONSPOT INS		0.00	53.14	53.14	2.00 0000000003	
099-007-000	05222007	2017846	0	681-	ONSPOTS ONSPOT INS		10.00	19.82	29.82	1.00 0000000008	
099-007-000	01182007	2017402	0	681-	ONSPOTS ONSPOT INS		243.98	26.57	270.55	1.00 0000000003	
099-007-000	03242006	2016455	0	681-	ONSPOTS ONSPOT INS		4.84	19.82	24.66	1.00 0000000008	
099-007-000	03212006	2016439	0	681-	ONSPOTS ONSPOT INS		0.00	59.46	59.46	3.00 0000000008	
099-007-000	01252006	2016246	0	681-	ONSPOTS ONSPOT INS		12.58	158.56	171.14	8.00 0000000008	
099-007-000	02092005	2015269	0	681-	ONSPOTS ONSPOT INS		122.70	158.56	281.26	8.00 0000000008	
099-007-000	09092004	2014827	0	681-	ONSPOTS ONSPOT INS		0.00	24.09	24.09	1.00 0000000004	
099-007-000	08272002	2012668	0	681-	ONSPOTS ONSPOT INS		6.92	39.64	46.56	2.00 0000000008	
099-007-000	04042002	2012198	0	681-	ONSPOTS ONSPOT INS		60.89	22.23	83.12	1.00 0000000005	
099-007-000	01112002	2011860	0	681-	ONSPOTS ONSPOT INS		0.00	19.20	19.20	1.00 0000000006	
099-009-000	03072013	2026694	0	681-	DIAGNOSIS		0.00	67.32	67.32	2.00 0000000003	
099-009-000	11012010	2022645	0	681-	DIAGNOSIS		256.99	19.82	276.81	1.00 0000000008	
099-015-000	03242006	2016455	0	681-	FREIGHT	OUT	0.00	0.00	0.00	0.00 0000009999	
099-018-000	12102015	2030333	19830	19146	TRANSPORT VEHICLES		0.00	11.21	11.21	0.50 07	01 12 XX
099-018-000	12172015	2030326	19830	19146	TRANSPORT VEHICLES		0.00	11.21	11.21	0.50 07	01 11 XX
099-041-000	07192017	2032576	13720	13039	REPAIRS		0.00	33.95	33.95	1.00 04	01 4 XX
099-041-000	08022017	2032557	13680	12997	REPAIRS		0.00	72.36	72.36	3.00 07	01 4 XX
099-041-000	11232016	2031596	13370	12688	REPAIRS		0.00	117.32	117.32	4.00 05	01 4 XX
099-041-000	11042016	2031548	13320	12640	REPAIRS		91.97	293.30	385.27	10.00 05	01 5 XX
099-041-000	10122016	2031498	13310	12628	REPAIRS		29.03	101.85	130.88	3.00 04	01 4 XX
099-041-000	03072016	2030736	19830	19146	REPAIRS		3.72	33.62	37.34	1.50 07	01 4 XX
099-041-000	09032015	2029978	19830	19146	REPAIRS		0.00	10.24	10.24	0.50 07	01 11 XX
099-121-000	10222015	2030174	19830	19146	PARTS RUN		0.00	40.94	40.94	2.00 07	01 4 XX
099-121-000	10132015	2030118	19830	19146	PARTS RUN		0.00	10.24	10.24	0.50 07	01 11 XX
099		TOTAL >	ROAD CALL TRAVEL TIM				5455.53	5078.09	10533.62		

TOWN OF ..ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: S30
VEHICLE: S30

UNIT: S30 LF MTR: 13720.0 CUR MTR: 13039.0 YR: 01 MAKE: VOLVO DEPT: PW SIZE: H CLASS: EXCAVATO FUEL: D

VMRS Code	DATE	WO NUM	LF-UNTS	ODOM	WORK DESCRIPTION	OUT	PARTS	LABOR	TOTAL	HOURS MECHANIC	CC RC WA
730		TITLE >	HOUSEKEEPING								
730-000-000	11052015	2030233	19830	19146	HOUSEKEEPING		0.00	10.24	10.24	0.50 07	01 12 XX
730-000-000	11162015	2030221	19830	19146	HOUSEKEEPING		0.00	10.24	10.24	0.50 07	01 4 XX
730		TOTAL >	HOUSEKEEPING				0.00	20.48	20.48		

TOWN OF ATERFORD

VEHICLE REPAIR HISTORY REPORT

FACILITY: 00001

STARTING VMRS CODE: 000-000-000
ENDING VMRS CODE: 999-999-999

DATE: FIRST
DATE: LAST

VEHICLE:: S30
VEHICLE: S30

METER: STANDARD | SUBTOTALS OF VMRS CODES FOR DIVISION > AL | PERIOD: CURRENT

VMRS CODE		QUANTITY	LABOR HRS	LABOR COST	PARTS COST		TOTAL COST	PERCENT	TOT COST /METER
011	AXLES, FRONT NON-DRIVI	3	55.00	1107.18	13433.37		14540.55	28.01%	7.48741
014	FRAME	1	5.00	120.45	90.62		211.07	0.41%	0.10869
017	TIRES,TUBES,LINERS	3	4.00	109.08	7180.00		7289.08	14.04%	3.75339
042	COOLING SYSTEM	1	1.00	24.88	13.90		38.78	0.07%	0.01997
044	FUEL SYSTEM	1	4.00	135.80	0.00		135.80	0.26%	0.06993
065	HYDRAULIC SYSTEMS	2	6.00	194.46	61.07		255.53	0.49%	0.13158
066	PREVENTIVE MAINTENANCE	15	123.50	2828.09	16067.72		18895.81	36.39%	9.73008
099	ROAD CALL TRAVEL TIME	116	221.05	5078.09	5455.53		10533.62	20.29%	5.42411
730	HOUSEKEEPING	2	1.00	20.48	0.00		20.48	0.04%	0.01055
	TOTALS:	144	420.55	9618.51	42302.21	TOT:	51920.72	100.00%	26.73570

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	##	Repair Costs	##	##	##
A18	110WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2006		$23,656	Ford	CROWN VICTORIA	2FAHP71W86X122289	83,947		$3,290			
A8	106WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2001	12/06/00	$22,523	JEEP	CHEROKEE	1J4FF48S51L565909	92,319		$3,967			
A20	104WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2008	12/18/07	$26,797	Ford	EXPLORER	1FMEU73E68UA17301	51,062		$7,146			
A2	45WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2009	02/11/09	$19,090	Ford	ESCAPE	1FMCU92779KB46666	84,256		$16,093			
H1	N/A	30	PUBLIC WORKS	FRK-DPW	25	FORK LIFT	1967	01/20/99	$17,062	HYSTER - Purchased Used	S20A Fork Lift	A10D5889L	724 hrs		$846			
H11	78WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2012	03/14/12	$31,876	Ford	F-250 4X4	1FTBF2B68CEA59387	89,239		$9,004			
H12	80WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2003	01/02/03	$37,196	Ford	F450 4x2	1FDXF46F63EB17892	47,000		$8,172			
H13	79WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2014	12/06/13	$33,569	Chevrolet	Silverado K250	1GC0KVCGXEF154607	32,412		$5,454			
H14	129WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	02/09/15	$140,270	International	4300 SBA Tarco T2000 S/S	1HTMMAAL8FH734287	18,376		$8,582			
H147	147WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	1991	06/07/91	$2,194	ROSCO	TRAILER	1YB411327M1B1T617	n/a		$1,449			
H15	121WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	03/27/15	$140,270	International	4300 SBA Tarco T2000 S/S	1HTMMAALXFH734288	17,184		$6,714			
H16	123WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/18/17	$171,927	FREIGHTLINER	114SD DUMP	1FVACWFC5JHJJ7757	2,500		$1,864			
H17	86WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/26/17	$171,927	FREIGHTLINER	114SD DUMP	1FVACWFC3JHJJ7756	2,700		$1,324			
H18	125WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2010	06/17/09	$99,117	International	4300 SBA Dump	1HTMMAAL8AH188776	45,372		$30,609			
H19	108WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2005	01/24/05	$30,175	Ford	F250 4X4	1FTSF21P45EB72105	158,057		$14,873			
H24	56WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2003	10/18/02	$118,670	Elgin	PELICAN P SWEEPER	P-3928-S	15,280		$64,461			
H25	57WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2018	03/13/17	$221,772	FREIGHTLINER	M2105 A7 Tornado Sweeper	1FVACXFC9JHJH1578	2,700		$3,080			
H26	62WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1959	01/01/59	N/A	Ferguson	TO-35 TRACTOR MOWER	SGM 193199	4929 hrs		$2,053			
H27	63WFD	30	PUBLIC WORKS	TRC-DPW	15	TRACTOR	2008	05/20/08	$82,026	JOHN DEERE	MODEL 5603 TRACTOR	LV5603R268632	4,039		$32,270			
H30	87WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	05/12/17	$173,657	FREIGHTLINER	114SD	1FVAG3FE9JHJH1112	3,639		$1,601			
H31	88WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/05/16	$170,945	FREIGHTLINER	114SD	1FVAG3CY3HHJA1291	6,067		$2,996			

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Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	##	Repair Costs
H32	95WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/11/16	$170,945	FREIGHTLINER	114SD	1FVAG3CY5HHJA1292	4,000		$4,657
H-33	135WFD	30	PUBLIC WORKS	GRN-DPW	15	STUMP GRINDER	2004	11/12/04	$23,651	CARLTON	7500 - Stump Grinder	1J9G42122C1167474	176 hrs		$4,906
H34	94WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2004	03/19/04	$91,116	Sterling	L7500	2FZAATDC84AN04719	36,336		$42,683
H35	92WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2012	09/28/12	$195,832	International	7400 SFA 4X2 12M DUMP/SPREADER WITH CRANE	1HTWDAZR8CH121003	28,178		$25,739
H36	124WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	03/04/14	$140,885	International	7400 SFA 4x2	1HTWDAAR2EH025219	20,260		$13,120
H37	131WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	02/14/14	$140,885	International	7400 SFA 4x2	1HTWDAAR0EH025218	18,886		$7,971
H38	130WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	12/24/13	$140,885	International	7400 SFA 4x2 (with Tenco spreader)	1HTWDAAR9EH025220	19,626		$8,347
H39	96WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2009	07/23/08	$115,800	International	7400 SFA	1HTWDAAR29J077349	47,100		$39,015
H40 (new)	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	06/13/03	$176,828	FREIGHTLINER	1145SD	On Order PO 181123			
H40	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2003	06/13/03	$91,116	Sterling	L 7500	2FZAATAK93AL96265	65,242		$56,699
H42	99WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	12/31/09	$104,350	International	7600 SFA 6x4 Tractor Trailer	1HSWXSJT8AJ273491	130,415		$38,853
H43DT	161WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2001	09/14/00	$30,375	FRUEHAUF	DUMP TRAILER	1JJU262F61S737748	n/a		$1,455
H43LB	165WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1954	01/02/54	$1,295	FRUEHAUF	LOW BED TRAILER	FW96419	n/a		
H43RO	151WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2000	11/10/00	$14,925	BENLEE	TRAILER TA60TC34	1B9A13420YB183504	n/a		$13,284
H43T	164WFD	30	PUBLIC WORKS	UTL-F	12	UTILITY UNIT (FIRE)	2006	10/05/05	$37,398	TOWMASTER	T-70DTG DUMP TRAILER	4KNFT22276L160354	n/a		$1,181
H44	158WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2005	11/18/04	$24,000	VERMEER	BC1000XL-CHIPPER	1VRY1119X51005548	1714 hrs		$4,703
H45	60WFD	30	PUBLIC WORKS	BKH-DPW	25	BACKHOE	2009	03/15/10	$89,180	VOLVO	BACKHOE/LOADER	VCEOBL70A00020080	2924 hrs		$18,563
H47	58WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2008	09/09/08	$39,900	JOHN DEERE	5603 LOADER/TRACTOR	LV5603R270211	2831 hrs		$13,098
H48	N/A	30	PUBLIC WORKS	RLL-DPW	20	ROLLER	2012	04/23/12	$33,105	HAMM	HD 10VV Asphalt Roller	2001793	163 hrs		$1,274

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H49	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1970	01/02/70	$36,000	INGRAM	5-7 TON ROLLER	401073F27	1,543		$455
H50	101WFD	30	PUBLIC WORKS	VAC-CC	20	Vac-All Cab and Chassis	2009	04/30/08	$63,890	International	7400 SBA 4x2 Sewer Vac	1HTWCAAR79J077348	5,524		$3,005
H-50V	N/A	30	PUBLIC WORKS	VAC-BODY	10	Vac-All Body	2004	04/22/04	$109,898	Vac-All Body for H-50	LV10C	N/A	1643 hrs		$25,050
H51	90WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	06/04/10	$180,550	International	Model AL60 Aerial Lift / Hybrid	1HTMMAAR3AH247768	23,440		$6,118
H52	162WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2004	12/16/04	$14,420	Ingersoll Rand	P185WJD COMPRESSOR	350036UJ0221	438 hrs		$1,948
H53	66WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2003	12/12/03	$91,118	TRACKLESS	MT5TD SIDEWALK PLOW w/ attachments	MT5TD-2330	11,730		$16,580
H54	67WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2015	10/16/15	$86,534	WACKER NEUSON	WL32 COMPACT LOADER W/ATTACHMENTS	3031050	225 hrs		$4,692
H55	127WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2017	09/08/17	$36,044	VERMEER CHIPPER	BC1000XL-CHIPPER	1VRY11196H1025266	17 hrs		
H56	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1977	01/01/77	$12,400	LAYTON	D.550B SUPER PAVER	D7621-K-6	n/a		$6,599
H58	146WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2008	10/14/08	$16,985	Ingersoll Rand	XP185WJD Port. Compressor	402988UGS222	79 hrs		$957
H6	81WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2007	09/27/06	$29,837	Ford	F250 4X4	1FTSF21P87EA84225	127,050		$17,316
H64	61WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2017	07/20/17	$196,847	VOLVO	L90H LOADER WHEEL	623984	26 hrs		$947
H65	59WFD	30	PUBLIC WORKS	LDR-DPW2	20	LOADER	2004	09/07/04	$115,135	VOLVO	L90E LOADER	D6DLAE2969011	8,505		$24,679
H77	168WFD	30	PUBLIC WORKS	BOX-DPW	20	BOX TRAILER	2013	07/24/13	$3,630	BIG TEX	70TV-12 UTILITY TRAILER	16VUX1220D3E93806	n/a		$3,398
H78	171WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1974	01/01/74	Homemade	COX	Box Trailer	7214 SMBT W-23	n/a		
H9	77WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2011	11/24/10	$76,014	International	4300 SBA 4x2 w/Platform Body	1HTMMAAL9BH388342	53,222		$7,973
S18	71WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$194,875	VOLVO	WX64 PACKER	5VCDC6MF67H204567	118,084		$121,212
S19	93WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$191,749	VOLVO	WX64 PACKER	5VCDC6MF57H203734	112,481		$144,223

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S20	72WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	9/11/2015	$250,200	PETERBILT	320 SDE LOADER	3BPZLJ0X2GF100839	25,339		$15,070				
S21	64WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	09/08/15	$250,200	PETERBILT	320 SDE LOADER	3BPZLJ0X9GF100840	23,927		$21,603				
S22 (new)	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2018	03/15/11	$253,542	PETERBILT	McNEILUS SIDE LOADER	On Order PO 181190							
S22	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2011	03/15/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	3BPZL50X9BF129187	57,963		$57,803				
S23	73WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/17/08	$131,557	International	REFUSE PACKER	1HTWGAAT19J093030	26,032		$5,487				
S24	74WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/19/08	$131,557	International	REFUSE PACKER	1HTWGAAT39J093031	26,850		$13,352				
S25	75WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	3BPZL50X7BF129186	53,619		$58,063				
S26	76WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	3BPZL50X0BF129188	59,006		$75,719				
S29	69WFD	30	PUBLIC WORKS	FLP-DPW	15	FRONT LOAD PACKER	2016	11/30/15	$223,725	PETERBUILT	DUMPSTER TRUCK	3BPZXJ0X2GF102983	30,887		$7,117				
S30	65WFD	30	PUBLIC WORKS	B&E-DPW	15	BULLDOZER/EXCAVATOR	2001	12/28/01	$159,000	VOLVO	EW170 EXCAVATOR	26289408	13147 hrs		$54,130				
UT2	163WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2009	07/27/09	$11,857	CAM	8CAM824DOTT Utility Trailer	5JPBU292X9P024572	n/a		$947				

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														23	23
														$ 1.18	$ 1.39
														$ 1,176,737	$ 1,389,066
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	NOTES		2019	2020
A18	110WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2006		$23,656	Ford	CROWN VICTORIA				
A8	106WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2001	12/06/00	$22,523	JEEP	CHEROKEE				
A20	104WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2008	12/18/07	$26,797	Ford	EXPLORER				
A2	45WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2009	02/11/09	$19,090	Ford	ESCAPE				
H1	N/A	30	PUBLIC WORKS	FRK-DPW	25	FORK LIFT	1967	01/20/99	$17,062	HYSTER - Purchased Used	S20A Fork Lift				
H11	78WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2012	03/14/12	$31,876	Ford	F-250 4X4				
H12	80WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2003	01/02/03	$37,196	Ford	F450 4x2	moved from 2019 to 2021		$ -	
H13	79WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2014	12/06/13	$33,569	Chevrolet	Silverado K250				
H14	129WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	02/09/15	$140,270	International	4300 SBA Tarco T2000 S/S				
H147	147WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	1991	06/07/91	$2,194	ROSCO	TRAILER				
H15	121WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	03/27/15	$140,270	International	4300 SBA Tarco T2000 S/S				
H16	123WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/18/17	$171,927	FREIGHTLINER	114SD DUMP				
H17	86WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/26/17	$171,927	FREIGHTLINER	114SD DUMP				
H18	125WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2010	06/17/09	$99,117	International	4300 SBA Dump				
H19	108WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2005	01/24/05	$30,175	Ford	F250 4X4	est 10/11/17 +3%		$ 44,968	
H24	56WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2003	10/18/02	$118,670	Elgin	PELICAN P SWEEPER	updated price			$ 235,278
H25	57WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2018	03/13/17	$221,772	FREIGHTLINER	M2105 A7 Tornado Sweeper				
H26	62WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1959	01/01/59	N/A	Ferguson	TO-35 TRACTOR MOWER				
H27	63WFD	30	PUBLIC WORKS	TRC-DPW	15	TRACTOR	2008	05/20/08	$82,026	JOHN DEERE	MODEL 5603 TRACTOR				
H30	87WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	05/12/17	$173,657	FREIGHTLINER	114SD				$ -
H31	88WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/05/16	$170,945	FREIGHTLINER	114SD				$ -

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H32	95WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/11/16	$170,945	FREIGHTLINER	114SD				$ -
H-33	135WFD	30	PUBLIC WORKS	GRN-DPW	15	STUMP GRINDER	2004	11/12/04	$23,651	CARLTON	7500 - Stump Grinder	Move replacement to FY22 instead of FY20			$ -
H34	94WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2004	03/19/04	$91,116	Sterling	L7500	Moving replacement to FY19 instead of FY24		$ 176,828	
H35	92WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2012	09/28/12	$195,832	International	7400 SFA 4X2 12M DUMP/SPREADER WITH CRANE				
H36	124WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	03/04/14	$140,885	International	7400 SFA 4x2				
H37	131WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	02/14/14	$140,885	International	7400 SFA 4x2				
H38	130WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	12/24/13	$140,885	International	7400 SFA 4x2 (with Tenco spreader)				
H39	96WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2009	07/23/08	$115,800	International	7400 SFA				
H40 (new)	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	06/13/03	$176,828	FREIGHTLINER	1145SD				
H40	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2003	06/13/03	$91,116	Sterling	L 7500	Initally scheduled for replacement in FY23 - request early replacement due to substantial deterioration			
H42	99WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	12/31/09	$104,350	International	7600 SFA 6x4 Tractor Trailer	moved from 2028 high mileage			
H43DT	161WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2001	09/14/00	$30,375	FRUEHAUF	DUMP TRAILER				
H43LB	165WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1954	01/02/54	$1,295	FRUEHAUF	LOW BED TRAILER				
H43RO	151WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2000	11/10/00	$14,925	BENLEE	TRAILER TA60TC34	moved to 2021			$ -
H43T	164WFD	30	PUBLIC WORKS	UTL-F	12	UTILITY UNIT (FIRE)	2006	10/05/05	$37,398	TOWMASTER	T-70DTG DUMP TRAILER	Deferred to FY2022 based on department recommendation			
H44	158WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2005	11/18/04	$24,000	VERMEER	BC1000XL-CHIPPER				
H45	60WFD	30	PUBLIC WORKS	BKH-DPW	25	BACKHOE	2009	03/15/10	$89,180	VOLVO	BACKHOE/LOADER				
H47	58WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2008	09/09/08	$39,900	JOHN DEERE	5603 LOADER/TRACTOR				
H48	N/A	30	PUBLIC WORKS	RLL-DPW	20	ROLLER	2012	04/23/12	$33,105	HAMM	HD 10VV Asphalt Roller				

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H49	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1970	01/02/70	$36,000	INGRAM	5-7 TON ROLLER				
H50	101WFD	30	PUBLIC WORKS	VAC-CC	20	Vac-All Cab and Chassis	2009	04/30/08	$63,890	International	7400 SBA 4x2 Sewer Vac				
H-50V	N/A	30	PUBLIC WORKS	VAC-BODY	10	Vac-All Body	2004	04/22/04	$109,898	Vac-All Body for H-50	LV10C	no longer needed w H24 replacement			$ -
H51	90WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	06/04/10	$180,550	International	Model AL60 Aerial Lift / Hybrid				
H52	162WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2004	12/16/04	$14,420	Ingersoll Rand	P185WJD COMPRESSOR	deferred to 2023			$ -
H53	66WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2003	12/12/03	$91,118	TRACKLESS	MT5TD SIDEWALK PLOW w/ attachments				
H54	67WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2015	10/16/15	$86,534	WACKER NEUSON	WL32 COMPACT LOADER W/ATTACHMENTS				
H55	127WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2017	09/08/17	$36,044	VERMEER CHIPPER	BC1000XL-CHIPPER	Cost adjusted based on market pricing			
H56	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1977	01/01/77	$12,400	LAYTON	D.550B SUPER PAVER				
H58	146WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2008	10/14/08	$16,985	Ingersoll Rand	XP185WJD Port. Compressor				
H6	81WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2007	09/27/06	$29,837	Ford	F250 4X4	est 10/11/17 +3% moved from 2021		$ 44,968	
H64	61WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2017	07/20/17	$196,847	VOLVO	L90H LOADER WHEEL	Cost adjusted based on market pricing			
H65	59WFD	30	PUBLIC WORKS	LDR-DPW2	20	LOADER	2004	09/07/04	$115,135	VOLVO	L90E LOADER				
H77	168WFD	30	PUBLIC WORKS	BOX-DPW	20	BOX TRAILER	2013	07/24/13	$3,630	BIG TEX	70TV-12 UTILITY TRAILER				
H78	171WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1974	01/01/74	Homemade	COX	Box Trailer				
H9	77WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2011	11/24/10	$76,014	International	4300 SBA 4x2 w/Platform Body				
S18	71WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$194,875	VOLVO	WX64 PACKER				
S19	93WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$191,749	VOLVO	WX64 PACKER				

														23	23
														$ 1.18	$ 1.39
														$ 1,176,737	$ 1,389,066
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	NOTES		2019	2020
S20	72WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	9/11/2015	$250,200	PETERBILT	320 SDE LOADER				
S21	64WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	09/08/15	$250,200	PETERBILT	320 SDE LOADER				
S22 (new)	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2018	03/15/11	$253,542	PETERBILT	McNEILUS SIDE LOADER				
S22	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2011	03/15/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	Cost adjusted based on market pricing			
S23	73WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/17/08	$131,557	International	REFUSE PACKER	Defer to FY22 based on department recommendation			
S24	74WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/19/08	$131,557	International	REFUSE PACKER	Defer to FY22 based on department recommendation			
S25	75WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER				$ 284,879
S26	76WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER				$ 284,879
S29	69WFD	30	PUBLIC WORKS	FLP-DPW	15	FRONT LOAD PACKER	2016	11/30/15	$223,725	PETERBUILT	DUMPSTER TRUCK				
S30	65WFD	30	PUBLIC WORKS	B&E-DPW	15	BULLDOZER/EXCAVATOR	2001	12/28/01	$159,000	VOLVO	EW170 EXCAVATOR	Defer to FY19 based on department recommendation		$ 272,644	
UT2	163WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2009	07/27/09	$11,857	CAM	8CAM824DOTT Utility Trailer				

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													19	11	17	20
													$ 1.22	$ 0.81	$ 1.33	$ 0.89
													$ 1,220,078	$ 813,435	$ 1,327,854	$ 885,008
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model		2021	2022	2023	2024
A18	110WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2006		$23,656	Ford	CROWN VICTORIA					
A8	106WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2001	12/06/00	$22,523	JEEP	CHEROKEE					
A20	104WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2008	12/18/07	$26,797	Ford	EXPLORER					
A2	45WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2009	02/11/09	$19,090	Ford	ESCAPE					
H1	N/A	30	PUBLIC WORKS	FRK-DPW	25	FORK LIFT	1967	01/20/99	$17,062	HYSTER - Purchased Used	S20A Fork Lift					$ 25,000
H11	78WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2012	03/14/12	$31,876	Ford	F-250 4X4					
H12	80WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2003	01/02/03	$37,196	Ford	F450 4x2		$ 63,323			
H13	79WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2014	12/06/13	$33,569	Chevrolet	Silverado K250					
H14	129WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	02/09/15	$140,270	International	4300 SBA Tarco T2000 S/S					
H147	147WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	1991	06/07/91	$2,194	ROSCO	TRAILER					
H15	121WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	03/27/15	$140,270	International	4300 SBA Tarco T2000 S/S					
H16	123WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/18/17	$171,927	FREIGHTLINER	114SD DUMP					
H17	86WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/26/17	$171,927	FREIGHTLINER	114SD DUMP					
H18	125WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2010	06/17/09	$99,117	International	4300 SBA Dump					
H19	108WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2005	01/24/05	$30,175	Ford	F250 4X4					
H24	56WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2003	10/18/02	$118,670	Elgin	PELICAN P SWEEPER		$ -			
H25	57WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2018	03/13/17	$221,772	FREIGHTLINER	M2105 A7 Tornado Sweeper					
H26	62WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1959	01/01/59	N/A	Ferguson	TO-35 TRACTOR MOWER					
H27	63WFD	30	PUBLIC WORKS	TRC-DPW	15	TRACTOR	2008	05/20/08	$82,026	JOHN DEERE	MODEL 5603 TRACTOR				$ 127,794	
H30	87WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	05/12/17	$173,657	FREIGHTLINER	114SD					
H31	88WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/05/16	$170,945	FREIGHTLINER	114SD					

TOWN OF WATER[illegible]
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FISCAL YEARS 2019 - 2023

													19	11	17	20
													$ 1.22	$ 0.81	$ 1.33	$ 0.89
													$ 1,220,078	$ 813,435	$ 1,327,854	$ 885,008
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model		2021	2022	2023	2024
H32	95WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/11/16	$170,945	FREIGHTLINER	114SD					
H-33	135WFD	30	PUBLIC WORKS	GRN-DPW	15	STUMP GRINDER	2004	11/12/04	$23,651	CARLTON	7500 - Stump Grinder			$ 40,265		
H34	94WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2004	03/19/04	$91,116	Sterling	L7500					$ -
H35	92WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2012	09/28/12	$195,832	International	7400 SFA 4X2 12M DUMP/SPREADER WITH CRANE					
H36	124WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	03/04/14	$140,885	International	7400 SFA 4x2					
H37	131WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	02/14/14	$140,885	International	7400 SFA 4x2					
H38	130WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	12/24/13	$140,885	International	7400 SFA 4x2 (with Tenco spreader)					
H39	96WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2009	07/23/08	$115,800	International	7400 SFA					
H40 (new)	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	06/13/03	$176,828	FREIGHTLINER	1145SD					
H40	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2003	06/13/03	$91,116	Sterling	L 7500				$ -	
H42	99WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	12/31/09	$104,350	International	7600 SFA 6x4 Tractor Trailer		$ 148,526			
H43DT	161WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2001	09/14/00	$30,375	FRUEHAUF	DUMP TRAILER		$ -	$ 54,860		
H43LB	165WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1954	01/02/54	$1,295	FRUEHAUF	LOW BED TRAILER					
H43RO	151WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2000	11/10/00	$14,925	BENLEE	TRAILER TA60TC34		$ 58,100			
H43T	164WFD	30	PUBLIC WORKS	UTL-F	12	UTILITY UNIT (FIRE)	2006	10/05/05	$37,398	TOWMASTER	T-70DTG DUMP TRAILER			$ 60,000		
H44	158WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2005	11/18/04	$24,000	VERMEER	BC1000XL-CHIPPER					
H45	60WFD	30	PUBLIC WORKS	BKH-DPW	25	BACKHOE	2009	03/15/10	$89,180	VOLVO	BACKHOE/LOADER					
H47	58WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2008	09/09/08	$39,900	JOHN DEERE	5603 LOADER/TRACTOR					
H48	N/A	30	PUBLIC WORKS	RLL-DPW	20	ROLLER	2012	04/23/12	$33,105	HAMM	HD 10VV Asphalt Roller					

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													19		11		17		20
													$ 1.22		$ 0.81		$ 1.33		$ 0.89
													$ 1,220,078		$ 813,435		$ 1,327,854		$ 885,008
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model		2021		2022		2023		2024
H49	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1970	01/02/70	$36,000	INGRAM	5-7 TON ROLLER								
H50	101WFD	30	PUBLIC WORKS	VAC-CC	20	Vac-All Cab and Chassis	2009	04/30/08	$63,890	International	7400 SBA 4x2 Sewer Vac								
H-50V	N/A	30	PUBLIC WORKS	VAC-BODY	10	Vac-All Body	2004	04/22/04	$109,898	Vac-All Body for H-50	LV10C								
H51	90WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	06/04/10	$180,550	International	Model AL60 Aerial Lift / Hybrid								
H52	162WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2004	12/16/04	$14,420	Ingersoll Rand	P185WJD COMPRESSOR						$ 23,140		
H53	66WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2003	12/12/03	$91,118	TRACKLESS	MT5TD SIDEWALK PLOW w/ attachments								
H54	67WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2015	10/16/15	$86,534	WACKER NEUSON	WL32 COMPACT LOADER W/ATTACHMENTS								
H55	127WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2017	09/08/17	$36,044	VERMEER CHIPPER	BC1000XL-CHIPPER								
H56	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1977	01/01/77	$12,400	LAYTON	D.550B SUPER PAVER								
H58	146WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2008	10/14/08	$16,985	Ingersoll Rand	XP185WJD Port. Compressor								$ 25,918
H6	81WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2007	09/27/06	$29,837	Ford	F250 4X4		$ -						
H64	61WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2017	07/20/17	$196,847	VOLVO	L90H LOADER WHEEL								
H65	59WFD	30	PUBLIC WORKS	LDR-DPW2	20	LOADER	2004	09/07/04	$115,135	VOLVO	L90E LOADER								
H77	168WFD	30	PUBLIC WORKS	BOX-DPW	20	BOX TRAILER	2013	07/24/13	$3,630	BIG TEX	70TV-12 UTILITY TRAILER								
H78	171WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1974	01/01/74	Homemade	COX	Box Trailer								
H9	77WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2011	11/24/10	$76,014	International	4300 SBA 4x2 w/Platform Body								
S18	71WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$194,875	VOLVO	WX64 PACKER								
S19	93WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$191,749	VOLVO	WX64 PACKER								

												19	11	17	20
												$ 1.22	$ 0.81	$ 1.33	$ 0.89
												$ 1,220,078	$ 813,435	$ 1,327,854	$ 885,008
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	2021	2022	2023	2024
S20	72WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	9/11/2015	$250,200	PETERBILT	320 SDE LOADER			$ 307,714	
S21	64WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	09/08/15	$250,200	PETERBILT	320 SDE LOADER			$ 307,714	
S22 (new)	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2018	03/15/11	$253,542	PETERBILT	McNEILUS SIDE LOADER				
S22	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2011	03/15/11	$218,336	PETERBILT	McNEILUS SIDE LOADER				
S23	73WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/17/08	$131,557	International	REFUSE PACKER		$ 160,000		
S24	74WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/19/08	$131,557	International	REFUSE PACKER		$ 160,000		
S25	75WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER				
S26	76WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER				
S29	69WFD	30	PUBLIC WORKS	FLP-DPW	15	FRONT LOAD PACKER	2016	11/30/15	$223,725	PETERBUILT	DUMPSTER TRUCK				
S30	65WFD	30	PUBLIC WORKS	B&E-DPW	15	BULLDOZER/EXCAVATOR	2001	12/28/01	$159,000	VOLVO	EW170 EXCAVATOR				
UT2	163WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2009	07/27/09	$11,857	CAM	8CAM824DOTT Utility Trailer				

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													13	20	8	16
													$ 3.03	$ 2.12	$ 0.38	$ 1.12
													$ 3,032,510	$ 2,121,350	$ 380,117	$ 1,121,798
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model		2025	2026	2027	2028
A18	110WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2006		$23,656	Ford	CROWN VICTORIA					
A8	106WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2001	12/06/00	$22,523	JEEP	CHEROKEE					
A20	104WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2008	12/18/07	$26,797	Ford	EXPLORER					
A2	45WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2009	02/11/09	$19,090	Ford	ESCAPE					
H1	N/A	30	PUBLIC WORKS	FRK-DPW	25	FORK LIFT	1967	01/20/99	$17,062	HYSTER - Purchased Used	S20A Fork Lift					
H11	78WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2012	03/14/12	$31,876	Ford	F-250 4X4			$ 55,305		
H12	80WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2003	01/02/03	$37,196	Ford	F450 4x2					
H13	79WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2014	12/06/13	$33,569	Chevrolet	Silverado K250					$ 50,780
H14	129WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	02/09/15	$140,270	International	4300 SBA Tarco T2000 S/S					
H147	147WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	1991	06/07/91	$2,194	ROSCO	TRAILER					
H15	121WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	03/27/15	$140,270	International	4300 SBA Tarco T2000 S/S					
H16	123WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/18/17	$171,927	FREIGHTLINER	114SD DUMP					
H17	86WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/26/17	$171,927	FREIGHTLINER	114SD DUMP					
H18	125WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2010	06/17/09	$99,117	International	4300 SBA Dump		$ 211,450			
H19	108WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2005	01/24/05	$30,175	Ford	F250 4X4					
H24	56WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2003	10/18/02	$118,670	Elgin	PELICAN P SWEEPER					
H25	57WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2018	03/13/17	$221,772	FREIGHTLINER	M2105 A7 Tornado Sweeper					
H26	62WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1959	01/01/59	N/A	Ferguson	TO-35 TRACTOR MOWER					
H27	63WFD	30	PUBLIC WORKS	TRC-DPW	15	TRACTOR	2008	05/20/08	$82,026	JOHN DEERE	MODEL 5603 TRACTOR					
H30	87WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	05/12/17	$173,657	FREIGHTLINER	114SD					
H31	88WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/05/16	$170,945	FREIGHTLINER	114SD					

												13	20	8	16
												$ 3.03	$ 2.12	$ 0.38	$ 1.12
												$ 3,032,510	$ 2,121,350	$ 380,117	$ 1,121,798
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	2025	2026	2027	2028
H32	95WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/11/16	$170,945	FREIGHTLINER	114SD				
H-33	135WFD	30	PUBLIC WORKS	GRN-DPW	15	STUMP GRINDER	2004	11/12/04	$23,651	CARLTON	7500 - Stump Grinder				
H34	94WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2004	03/19/04	$91,116	Sterling	L7500				
H35	92WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2012	09/28/12	$195,832	International	7400 SFA 4X2 12M DUMP/SPREADER WITH CRANE				
H36	124WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	03/04/14	$140,885	International	7400 SFA 4x2				
H37	131WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	02/14/14	$140,885	International	7400 SFA 4x2				
H38	130WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	12/24/13	$140,885	International	7400 SFA 4x2 (with Tenco spreader)				
H39	96WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2009	07/23/08	$115,800	International	7400 SFA				
H40 (new)	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	06/13/03	$176,828	FREIGHTLINER	1145SD				
H40	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2003	06/13/03	$91,116	Sterling	L 7500				
H42	99WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	12/31/09	$104,350	International	7600 SFA 6x4 Tractor Trailer				$ -
H43DT	161WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2001	09/14/00	$30,375	FRUEHAUF	DUMP TRAILER				
H43LB	165WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1954	01/02/54	$1,295	FRUEHAUF	LOW BED TRAILER				
H43RO	151WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2000	11/10/00	$14,925	BENLEE	TRAILER TA60TC34				
H43T	164WFD	30	PUBLIC WORKS	UTL-F	12	UTILITY UNIT (FIRE)	2006	10/05/05	$37,398	TOWMASTER	T-70DTG DUMP TRAILER				$ 69,295
H44	158WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2005	11/18/04	$24,000	VERMEER	BC1000XL-CHIPPER	$ 43,347			
H45	60WFD	30	PUBLIC WORKS	BKH-DPW	25	BACKHOE	2009	03/15/10	$89,180	VOLVO	BACKHOE/LOADER				
H47	58WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2008	09/09/08	$39,900	JOHN DEERE	5603 LOADER/TRACTOR				
H48	N/A	30	PUBLIC WORKS	RLL-DPW	20	ROLLER	2012	04/23/12	$33,105	HAMM	HD 10VV Asphalt Roller				

													13	20	8	16
													$ 3.03	$ 2.12	$ 0.38	$ 1.12
													$ 3,032,510	$ 2,121,350	$ 380,117	$ 1,121,798
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model		2025	2026	2027	2028
H49	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1970	01/02/70	$36,000	INGRAM	5-7 TON ROLLER					
H50	101WFD	30	PUBLIC WORKS	VAC-CC	20	Vac-All Cab and Chassis	2009	04/30/08	$63,890	International	7400 SBA 4x2 Sewer Vac					$ 72,967
H-50V	N/A	30	PUBLIC WORKS	VAC-BODY	10	Vac-All Body	2004	04/22/04	$109,898	Vac-All Body for H-50	LV10C			\		
H51	90WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	06/04/10	$180,550	International	Model AL60 Aerial Lift / Hybrid					$ 307,370
H52	162WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2004	12/16/04	$14,420	Ingersoll Rand	P185WJD COMPRESSOR					
H53	66WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2003	12/12/03	$91,118	TRACKLESS	MT5TD SIDEWALK PLOW w/ attachments					
H54	67WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2015	10/16/15	$86,534	WACKER NEUSON	WL32 COMPACT LOADER W/ATTACHMENTS					
H55	127WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2017	09/08/17	$36,044	VERMEER CHIPPER	BC1000XL-CHIPPER					
H56	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1977	01/01/77	$12,400	LAYTON	D.550B SUPER PAVER					
H58	146WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2008	10/14/08	$16,985	Ingersoll Rand	XP185WJD Port. Compressor					
H6	81WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2007	09/27/06	$29,837	Ford	F250 4X4					
H64	61WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2017	07/20/17	$196,847	VOLVO	L90H LOADER WHEEL					
H65	59WFD	30	PUBLIC WORKS	LDR-DPW2	20	LOADER	2004	09/07/04	$115,135	VOLVO	L90E LOADER		$ 246,861			
H77	168WFD	30	PUBLIC WORKS	BOX-DPW	20	BOX TRAILER	2013	07/24/13	$3,630	BIG TEX	70TV-12 UTILITY TRAILER					
H78	171WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1974	01/01/74	Homemade	COX	Box Trailer					
H9	77WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2011	11/24/10	$76,014	International	4300 SBA 4x2 w/Platform Body			$ 99,181		
S18	71WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$194,875	VOLVO	WX64 PACKER					
S19	93WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$191,749	VOLVO	WX64 PACKER					

													13	20	8	16
													$ 3.03	$ 2.12	$ 0.38	$ 1.12
													$ 3,032,510	$ 2,121,350	$ 380,117	$ 1,121,798
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	2025	2026	2027	2028
S20	72WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	9/11/2015	$250,200	PETERBILT	320 SDE LOADER				
S21	64WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	09/08/15	$250,200	PETERBILT	320 SDE LOADER				
S22 (new)	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2018	03/15/11	$253,542	PETERBILT	McNEILUS SIDE LOADER				
S22	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2011	03/15/11	$218,336	PETERBILT	McNEILUS SIDE LOADER		$ 330,260		
S23	73WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/17/08	$131,557	International	REFUSE PACKER	$ 169,004			
S24	74WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/19/08	$131,557	International	REFUSE PACKER	$ 169,004			
S25	75WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER				
S26	76WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER				
S29	69WFD	30	PUBLIC WORKS	FLP-DPW	15	FRONT LOAD PACKER	2016	11/30/15	$223,725	PETERBUILT	DUMPSTER TRUCK				
S30	65WFD	30	PUBLIC WORKS	B&E-DPW	15	BULLDOZER/EXCAVATOR	2001	12/28/01	$159,000	VOLVO	EW170 EXCAVATOR				
UT2	163WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2009	07/27/09	$11,857	CAM	8CAM824DOTT Utility Trailer				

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												15		10	19	17
												$ 1.59		$ 1.71	$ 2.08	$ 2.38
												$ 1,592,096		$ 1,714,928	$ 2,077,185	$ 2,381,466
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	2029		2030	2031	2032
A18	110WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2006		$23,656	Ford	CROWN VICTORIA					
A8	106WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2001	12/06/00	$22,523	JEEP	CHEROKEE					
A20	104WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2008	12/18/07	$26,797	Ford	EXPLORER					
A2	45WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2009	02/11/09	$19,090	Ford	ESCAPE					
H1	N/A	30	PUBLIC WORKS	FRK-DPW	25	FORK LIFT	1967	01/20/99	$17,062	HYSTER - Purchased Used	S20A Fork Lift					
H11	78WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2012	03/14/12	$31,876	Ford	F-250 4X4					
H12	80WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2003	01/02/03	$37,196	Ford	F450 4x2					
H13	79WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2014	12/06/13	$33,569	Chevrolet	Silverado K250					
H14	129WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	02/09/15	$140,270	International	4300 SBA Tarco T2000 S/S			$ 218,540		
H147	147WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	1991	06/07/91	$2,194	ROSCO	TRAILER					$ 3,965
H15	121WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	03/27/15	$140,270	International	4300 SBA Tarco T2000 S/S			$ 218,540		
H16	123WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/18/17	$171,927	FREIGHTLINER	114SD DUMP					
H17	86WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/26/17	$171,927	FREIGHTLINER	114SD DUMP					
H18	125WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2010	06/17/09	$99,117	International	4300 SBA Dump					
H19	108WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2005	01/24/05	$30,175	Ford	F250 4X4					
H24	56WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2003	10/18/02	$118,670	Elgin	PELICAN P SWEEPER					
H25	57WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2018	03/13/17	$221,772	FREIGHTLINER	M2105 A7 Tornado Sweeper					
H26	62WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1959	01/01/59	N/A	Ferguson	TO-35 TRACTOR MOWER					
H27	63WFD	30	PUBLIC WORKS	TRC-DPW	15	TRACTOR	2008	05/20/08	$82,026	JOHN DEERE	MODEL 5603 TRACTOR					
H30	87WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	05/12/17	$173,657	FREIGHTLINER	114SD					
H31	88WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/05/16	$170,945	FREIGHTLINER	114SD					

												15		10		19		17
												$ 1.59	$	1.71	$	2.08	$	2.38
												$ 1,592,096	$	1,714,928	$	2,077,185	$	2,381,466
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	2029		2030		2031		2032
H32	95WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/11/16	$170,945	FREIGHTLINER	114SD							
H-33	135WFD	30	PUBLIC WORKS	GRN-DPW	15	STUMP GRINDER	2004	11/12/04	$23,651	CARLTON	7500 - Stump Grinder							
H34	94WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2004	03/19/04	$91,116	Sterling	L7500							
H35	92WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2012	09/28/12	$195,832	International	7400 SFA 4X2 12M DUMP/SPREADER WITH CRANE							
H36	124WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	03/04/14	$140,885	International	7400 SFA 4x2							
H37	131WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	02/14/14	$140,885	International	7400 SFA 4x2							
H38	130WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	12/24/13	$140,885	International	7400 SFA 4x2 (with Tenco spreader)							
H39	96WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2009	07/23/08	$115,800	International	7400 SFA	$ 174,577						
H40 (new)	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	06/13/03	$176,828	FREIGHTLINER	1145SD							
H40	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2003	06/13/03	$91,116	Sterling	L 7500							
H42	99WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	12/31/09	$104,350	International	7600 SFA 6x4 Tractor Trailer							
H43DT	161WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2001	09/14/00	$30,375	FRUEHAUF	DUMP TRAILER							
H43LB	165WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1954	01/02/54	$1,295	FRUEHAUF	LOW BED TRAILER							
H43RO	151WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2000	11/10/00	$14,925	BENLEE	TRAILER TA60TC34							
H43T	164WFD	30	PUBLIC WORKS	UTL-F	12	UTILITY UNIT (FIRE)	2006	10/05/05	$37,398	TOWMASTER	T-70DTG DUMP TRAILER							
H44	158WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2005	11/18/04	$24,000	VERMEER	BC1000XL-CHIPPER							
H45	60WFD	30	PUBLIC WORKS	BKH-DPW	25	BACKHOE	2009	03/15/10	$89,180	VOLVO	BACKHOE/LOADER							
H47	58WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2008	09/09/08	$39,900	JOHN DEERE	5603 LOADER/TRACTOR	$ 74,225						
H48	N/A	30	PUBLIC WORKS	RLL-DPW	20	ROLLER	2012	04/23/12	$33,105	HAMM	HD 10VV Asphalt Roller						$	59,791

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												15	10	19	17	
												$ 1.59	$ 1.71	$ 2.08	$ 2.38	
												$ 1,592,096	$ 1,714,928	$ 2,077,185	$ 2,381,466	
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	2029	2030	2031	2032	
H49	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1970	01/02/70	$36,000	INGRAM	5-7 TON ROLLER					
H50	101WFD	30	PUBLIC WORKS	VAC-CC	20	Vac-All Cab and Chassis	2009	04/30/08	$63,890	International	7400 SBA 4x2 Sewer Vac					
H-50V	N/A	30	PUBLIC WORKS	VAC-BODY	10	Vac-All Body	2004	04/22/04	$109,898	Vac-All Body for H-50	LV10C		$ 176,350			
H51	90WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	06/04/10	$180,550	International	Model AL60 Aerial Lift / Hybrid					
H52	162WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2004	12/16/04	$14,420	Ingersoll Rand	P185WJD COMPRESSOR					
H53	66WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2003	12/12/03	$91,118	TRACKLESS	MT5TD SIDEWALK PLOW w/ attachments					
H54	67WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2015	10/16/15	$86,534	WACKER NEUSON	WL32 COMPACT LOADER W/ATTACHMENTS					
H55	127WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2017	09/08/17	$36,044	VERMEER CHIPPER	BC1000XL-CHIPPER					
H56	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1977	01/01/77	$12,400	LAYTON	D.550B SUPER PAVER					
H58	146WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2008	10/14/08	$16,985	Ingersoll Rand	XP185WJD Port. Compressor					
H6	81WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2007	09/27/06	$29,837	Ford	F250 4X4					
H64	61WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2017	07/20/17	$196,847	VOLVO	L90H LOADER WHEEL					
H65	59WFD	30	PUBLIC WORKS	LDR-DPW2	20	LOADER	2004	09/07/04	$115,135	VOLVO	L90E LOADER					
H77	168WFD	30	PUBLIC WORKS	BOX-DPW	20	BOX TRAILER	2013	07/24/13	$3,630	BIG TEX	70TV-12 UTILITY TRAILER					
H78	171WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1974	01/01/74	Homemade	COX	Box Trailer					
H9	77WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2011	11/24/10	$76,014	International	4300 SBA 4x2 w/Platform Body					
S18	71WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$194,875	VOLVO	WX64 PACKER					
S19	93WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$191,749	VOLVO	WX64 PACKER					

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												15		10		19		17
												$ 1.59		$ 1.71		$ 2.08		$ 2.38
												$ 1,592,096		$ 1,714,928		$ 2,077,185		$ 2,381,466
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	2029		2030		2031		2032
S20	72WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	9/11/2015	$250,200	PETERBILT	320 SDE LOADER			$ 378,450				
S21	64WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	09/08/15	$250,200	PETERBILT	320 SDE LOADER			$ 378,450				
S22 (new)	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2018	03/15/11	$253,542	PETERBILT	McNEILUS SIDE LOADER							
S22	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2011	03/15/11	$218,336	PETERBILT	McNEILUS SIDE LOADER							
S23	73WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/17/08	$131,557	International	REFUSE PACKER							
S24	74WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/19/08	$131,557	International	REFUSE PACKER							
S25	75WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	$ 382,853						
S26	76WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	$ 382,853						
S29	69WFD	30	PUBLIC WORKS	FLP-DPW	15	FRONT LOAD PACKER	2016	11/30/15	$223,725	PETERBUILT	DUMPSTER TRUCK					$ 348,556		
S30	65WFD	30	PUBLIC WORKS	B&E-DPW	15	BULLDOZER/EXCAVATOR	2001	12/28/01	$159,000	VOLVO	EW170 EXCAVATOR							$ 412,400
UT2	163WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2009	07/27/09	$11,857	CAM	8CAM824DOTT - Utility Trailer			$ 22,058				

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												19	26	16		
												$ 3.77	$ 3.91	$ 2.74		
												$ 3,770,040	$ 3,905,599	$ 2,741,578		
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	2033	2034	2035	2036
A18	110WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2006		$23,656	Ford	CROWN VICTORIA				
A8	106WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2001	12/06/00	$22,523	JEEP	CHEROKEE				
A20	104WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2008	12/18/07	$26,797	Ford	EXPLORER				
A2	45WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2009	02/11/09	$19,090	Ford	ESCAPE				
H1	N/A	30	PUBLIC WORKS	FRK-DPW	25	FORK LIFT	1967	01/20/99	$17,062	HYSTER - Purchased Used	S20A Fork Lift				
H11	78WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2012	03/14/12	$31,876	Ford	F-250 4X4				
H12	80WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2003	01/02/03	$37,196	Ford	F450 4x2			$ 95,781	
H13	79WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2014	12/06/13	$33,569	Chevrolet	Silverado K250				
H14	129WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	02/09/15	$140,270	International	4300 SBA Tarco T2000 S/S				
H147	147WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	1991	06/07/91	$2,194	ROSCO	TRAILER				
H15	121WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	03/27/15	$140,270	International	4300 SBA Tarco T2000 S/S				
H16	123WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/18/17	$171,927	FREIGHTLINER	114SD DUMP	$ 267,860			
H17	86WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/26/17	$171,927	FREIGHTLINER	114SD DUMP	$ 267,860			
H18	125WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2010	06/17/09	$99,117	International	4300 SBA Dump				
H19	108WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2005	01/24/05	$30,175	Ford	F250 4X4	$ 68,020			
H24	56WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2003	10/18/02	$118,670	Elgin	PELICAN P SWEEPER				
H25	57WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2018	03/13/17	$221,772	FREIGHTLINER	M2105 A7 Tornado Sweeper				
H26	62WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1959	01/01/59	N/A	Ferguson	TO-35 TRACTOR MOWER				
H27	63WFD	30	PUBLIC WORKS	TRC-DPW	15	TRACTOR	2008	05/20/08	$82,026	JOHN DEERE	MODEL 5603 TRACTOR				
H30	87WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	05/12/17	$173,657	FREIGHTLINER	114SD				
H31	88WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/05/16	$170,945	FREIGHTLINER	114SD				

														19		26		16	
														$ 3.77		$ 3.91		$ 2.74	
														$ 3,770,040		$ 3,905,599		$ 2,741,578	
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	2033		2034		2035		2036	
H32	95WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/11/16	$170,945	FREIGHTLINER	114SD								
H-33	135WFD	30	PUBLIC WORKS	GRN-DPW	15	STUMP GRINDER	2004	11/12/04	$23,651	CARLTON	7500 - Stump Grinder					$ -			
H34	94WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2004	03/19/04	$91,116	Sterling	L7500								
H35	92WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2012	09/28/12	$195,832	International	7400 SFA 4X2 12M DUMP/SPREADER WITH CRANE	$ 353,700							
H36	124WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	03/04/14	$140,885	International	7400 SFA 4x2			$ 254,450					
H37	131WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	02/14/14	$140,885	International	7400 SFA 4x2			$ 254,450					
H38	130WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	12/24/13	$140,885	International	7400 SFA 4x2 (with Tenco spreader)			$ 254,450					
H39	96WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2009	07/23/08	$115,800	International	7400 SFA								
H40 (new)	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	06/13/03	$176,828	FREIGHTLINER	1145SD								
H40	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2003	06/13/03	$91,116	Sterling	L 7500								
H42	99WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	12/31/09	$104,350	International	7600 SFA 6x4 Tractor Trailer								
H43DT	161WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2001	09/14/00	$30,375	FRUEHAUF	DUMP TRAILER								
H43LB	165WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1954	01/02/54	$1,295	FRUEHAUF	LOW BED TRAILER								
H43RO	151WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2000	11/10/00	$14,925	BENLEE	TRAILER TA60TC34					$ 87,863			
H43T	164WFD	30	PUBLIC WORKS	UTL-F	12	UTILITY UNIT (FIRE)	2006	10/05/05	$37,398	TOWMASTER	T-70DTG DUMP TRAILER								
H44	158WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2005	11/18/04	$24,000	VERMEER	BC1000XL-CHIPPER								
H45	60WFD	30	PUBLIC WORKS	BKH-DPW	25	BACKHOE	2009	03/15/10	$89,180	VOLVO	BACKHOE/LOADER					$ 186,723			
H47	58WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2008	09/09/08	$39,900	JOHN DEERE	5603 LOADER/TRACTOR								
H48	N/A	30	PUBLIC WORKS	RLL-DPW	20	ROLLER	2012	04/23/12	$33,105	HAMM	HD 10VV Asphalt Roller								

													19		26	16
													$ 3.77		$ 3.91	$ 2.74
													$ 3,770,040		$ 3,905,599	$ 2,741,578
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	2033	2034	2035	2036
H49	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1970	01/02/70	$36,000	INGRAM	5-7 TON ROLLER				
H50	101WFD	30	PUBLIC WORKS	VAC-CC	20	Vac-All Cab and Chassis	2009	04/30/08	$63,890	International	7400 SBA 4x2 Sewer Vac				
H-50V	N/A	30	PUBLIC WORKS	VAC-BODY	10	Vac-All Body	2004	04/22/04	$109,898	Vac-All Body for H-50	LV10C				
H51	90WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	06/04/10	$180,550	International	Model AL60 Aerial Lift / Hybrid				
H52	162WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2004	12/16/04	$14,420	Ingersoll Rand	P185WJD COMPRESSOR			$ -	
H53	66WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2003	12/12/03	$91,118	TRACKLESS	MT5TD SIDEWALK PLOW w/ attachments		$ 147,915		
H54	67WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2015	10/16/15	$86,534	WACKER NEUSON	WL32 COMPACT LOADER W/ATTACHMENTS				
H55	127WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2017	09/08/17	$36,044	VERMEER CHIPPER	BC1000XL-CHIPPER				
H56	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1977	01/01/77	$12,400	LAYTON	D.550B SUPER PAVER				
H58	146WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2008	10/14/08	$16,985	Ingersoll Rand	XP185WJD Port. Compressor				
H6	81WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2007	09/27/06	$29,837	Ford	F250 4X4	$ 68,020		$ -	
H64	61WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2017	07/20/17	$196,847	VOLVO	L90H LOADER WHEEL				
H65	59WFD	30	PUBLIC WORKS	LDR-DPW2	20	LOADER	2004	09/07/04	$115,135	VOLVO	L90E LOADER				
H77	168WFD	30	PUBLIC WORKS	BOX-DPW	20	BOX TRAILER	2013	07/24/13	$3,630	BIG TEX	70TV-12 UTILITY TRAILER		$ 6,556		
H78	171WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1974	01/01/74	Homemade	COX	Box Trailer				
H9	77WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2011	11/24/10	$76,014	International	4300 SBA 4x2 w/Platform Body				
S18	71WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$194,875	VOLVO	WX64 PACKER				
S19	93WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$191,749	VOLVO	WX64 PACKER				

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

												19		26		16
												$ 3.77		$ 3.91		$ 2.74
												$ 3,770,040		$ 3,905,599		$ 2,741,578
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	2033		2034	2035	2036
S20	72WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	9/11/2015	$250,200	PETERBILT	320 SDE LOADER					
S21	64WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	09/08/15	$250,200	PETERBILT	320 SDE LOADER					
S22 (new)	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2018	03/15/11	$253,542	PETERBILT	McNEILUS SIDE LOADER					
S22	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2011	03/15/11	$218,336	PETERBILT	McNEILUS SIDE LOADER			$ 406,180		
S23	73WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/17/08	$131,557	International	REFUSE PACKER	$ 211,560				
S24	74WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/19/08	$131,557	International	REFUSE PACKER	$ 211,560				
S25	75WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER					
S26	76WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER					
S29	69WFD	30	PUBLIC WORKS	FLP-DPW	15	FRONT LOAD PACKER	2016	11/30/15	$223,725	PETERBUILT	DUMPSTER TRUCK					
S30	65WFD	30	PUBLIC WORKS	B&E-DPW	15	BULLDOZER/EXCAVATOR	2001	12/28/01	$159,000	VOLVO	EW170 EXCAVATOR					
UT2	163WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2009	07/27/09	$11,857	CAM	8CAM824DOTT Utility Trailer					

TOWN OF WATERFORD
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Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model				
A18	110WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2006		$23,656	Ford	CROWN VICTORIA	DNR			
A8	106WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2001	12/06/00	$22,523	JEEP	CHEROKEE	DNR			
A20	104WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2008	12/18/07	$26,797	Ford	EXPLORER	DNR			
A2	45WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2009	02/11/09	$19,090	Ford	ESCAPE	DNR			
H1	N/A	30	PUBLIC WORKS	FRK-DPW	25	FORK LIFT	1967	01/20/99	$17,062	HYSTER - Purchased Used	S20A Fork Lift	1999	2024	2049	2074
H11	78WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2012	03/14/12	$31,876	Ford	F-250 4X4	2012	2026	2040	2054
H12	80WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2003	01/02/03	$37,196	Ford	F450 4x2	2003	2017	2031	2045
H13	79WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2014	12/06/13	$33,569	Chevrolet	Silverado K250	2014	2028	2042	2056
H14	129WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	02/09/15	$140,270	International	4300 SBA Tarco T2000 S/S	2015	2030	2045	2060
H147	147WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	1991	06/07/91	$2,194	ROSCO	TRAILER	1991	2011	2031	2051
H15	121WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	03/27/15	$140,270	International	4300 SBA Tarco T2000 S/S	2015	2030	2045	2060
H16	123WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/18/17	$171,927	FREIGHTLINER	114SD DUMP	2002	2017	2032	2047
H17	86WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/26/17	$171,927	FREIGHTLINER	114SD DUMP	2017	2032	2047	2062
H18	125WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2010	06/17/09	$99,117	International	4300 SBA Dump	2009	2025	2040	2055
H19	108WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2005	01/24/05	$30,175	Ford	F250 4X4	2005	2019	2033	2047
H24	56WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2003	10/18/02	$118,670	Elgin	PELICAN P SWEEPER	2003	2021	2039	2057
H25	57WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2018	03/13/17	$221,772	FREIGHTLINER	M2105 A7 Tornado Sweeper	DNR			
H26	62WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1959	01/01/59	N/A	Ferguson	TO-35 TRACTOR MOWER	DNR			
H27	63WFD	30	PUBLIC WORKS	TRC-DPW	15	TRACTOR	2008	05/20/08	$82,026	JOHN DEERE	MODEL 5603 TRACTOR	2008	2023	2038	2053
H30	87WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	05/12/17	$173,657	FREIGHTLINER	114SD	2017	2037	2057	2077
H31	88WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/05/16	$170,945	FREIGHTLINER	114SD	2017	2037	2057	2077

Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model				
H32	95WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/11/16	$170,945	FREIGHTLINER	114SD	2017	2037	2057	2077
H-33	135WFD	30	PUBLIC WORKS	GRN-DPW	15	STUMP GRINDER	2004	11/12/04	$23,651	CARLTON	7500 - Stump Grinder	2005	2020	2035	2050
H34	94WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2004	03/19/04	$91,116	Sterling	L7500	2004	2024	2044	2064
H35	92WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2012	09/28/12	$195,832	International	7400 SFA 4X2 12M DUMP/SPREADER WITH CRANE	2013	2033	2053	2073
H36	124WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	03/04/14	$140,885	International	7400 SFA 4x2	2014	2034	2054	2074
H37	131WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	02/14/14	$140,885	International	7400 SFA 4x2	2014	2034	2054	2074
H38	130WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	12/24/13	$140,885	International	7400 SFA 4x2 (with Tenco spreader)	2014	2034	2054	2074
H39	96WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2009	07/23/08	$115,800	International	7400 SFA	2009	2029	2049	2069
H40 (new)	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	06/13/03	$176,828	FREIGHTLINER	1145SD				
H40	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2003	06/13/03	$91,116	Sterling	L 7500	2003	2023	2043	2063
H42	99WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	12/31/09	$104,350	International	7600 SFA 6x4 Tractor Trailer	2010	2028	2046	2064
H43DT	161WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2001	09/14/00	$30,375	FRUEHAUF	DUMP TRAILER	2001	2021	2041	2061
H43LB	165WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1954	01/02/54	$1,295	FRUEHAUF	LOW BED TRAILER	DNR			
H43RO	151WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2000	11/10/00	$14,925	BENLEE	TRAILER TA60TC34	2001	2016	2031	2046
H43T	164WFD	30	PUBLIC WORKS	UTL-F	12	UTILITY UNIT (FIRE)	2006	10/05/05	$37,398	TOWMASTER	T-70DTG DUMP TRAILER	2006	2018	2030	2042
H44	158WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2005	11/18/04	$24,000	VERMEER	BC1000XL-CHIPPER	2005	2025	2045	2065
H45	60WFD	30	PUBLIC WORKS	BKH-DPW	25	BACKHOE	2009	03/15/10	$89,180	VOLVO	BACKHOE/LOADER	2010	2035	2060	2085
H47	58WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2008	09/09/08	$39,900	JOHN DEERE	5603 LOADER/TRACTOR	2009	2029	2049	2069
H48	N/A	30	PUBLIC WORKS	RLL-DPW	20	ROLLER	2012	04/23/12	$33,105	HAMM	HD 10VV Asphalt Roller	2012	2032	2052	2072

Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model				
H49	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1970	01/02/70	$36,000	INGRAM	5-7 TON ROLLER	DNR			
H50	101WFD	30	PUBLIC WORKS	VAC-CC	20	Vac-All Cab and Chassis	2009	04/30/08	$63,890	International	7400 SBA 4x2 Sewer Vac	2008	2028	2048	2068
H-50V	N/A	30	PUBLIC WORKS	VAC-BODY	10	Vac-All Body	2004	04/22/04	$109,898	Vac-All Body for H-50	LV10C	2004	2014	2024	2034
H51	90WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	06/04/10	$180,550	International	Model AL60 Aerial Lift / Hybrid	2010	2028	2046	2064
H52	162WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2004	12/16/04	$14,420	Ingersoll Rand	P185WJD COMPRESSOR	2005	2020	2035	2050
H53	66WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2003	12/12/03	$91,118	TRACKLESS	MT5TD SIDEWALK PLOW w/ attachments	2004	2034	2064	2094
H54	67WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2015	10/16/15	$86,534	WACKER NEUSON	WL32 COMPACT LOADER W/ATTACHMENTS	2016	2046	2076	2106
H55	127WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2017	09/08/17	$36,044	VERMEER CHIPPER	BC1000XL-CHIPPER	2017	2037	2057	2077
H56	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1977	01/01/77	$12,400	LAYTON	D.550B SUPER PAVER	DNR		0	0
H58	146WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2008	10/14/08	$16,985	Ingersoll Rand	XP185WJD Port. Compressor	2009	2024	2039	2054
H6	81WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2007	09/27/06	$29,837	Ford	F250 4X4	2007	2021	2035	2049
H64	61WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2017	07/20/17	$196,847	VOLVO	L90H LOADER WHEEL	2017	2037	2057	2077
H65	59WFD	30	PUBLIC WORKS	LDR-DPW2	20	LOADER	2004	09/07/04	$115,135	VOLVO	L90E LOADER	2005	2025	2045	2065
H77	168WFD	30	PUBLIC WORKS	BOX-DPW	20	BOX TRAILER	2013	07/24/13	$3,630	BIG TEX	70TV-12 UTILITY TRAILER	2014	2034	2054	2074
H78	171WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1974	01/01/74	Homemade	COX	Box Trailer	DNR			
H9	77WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2011	11/24/10	$76,014	International	4300 SBA 4x2 w/Platform Body	2011	2026	2041	2056
S18	71WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$194,875	VOLVO	WX64 PACKER	DNR			
S19	93WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$191,749	VOLVO	WX64 PACKER	DNR			

Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model				
S20	72WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	9/11/2015	$250,200	PETERBILT	320 SDE LOADER	2016	2023	2030	2037
S21	64WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	09/08/15	$250,200	PETERBILT	320 SDE LOADER	2016	2023	2030	2037
S22 (new)	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2018	03/15/11	$253,542	PETERBILT	McNEILUS SIDE LOADER				
S22	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2011	03/15/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	2011	2018	2025	2032
S23	73WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/17/08	$131,557	International	REFUSE PACKER	2009	2017	2025	2033
S24	74WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/19/08	$131,557	International	REFUSE PACKER	2009	2017	2025	2033
S25	75WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	2011	2020	2029	2038
S26	76WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	2011	2020	2029	2038
S29	69WFD	30	PUBLIC WORKS	FLP-DPW	15	FRONT LOAD PACKER	2016	11/30/15	$223,725	PETERBUILT	DUMPSTER TRUCK	2016	2031	2046	2061
S30	65WFD	30	PUBLIC WORKS	B&E-DPW	15	BULLDOZER/EXCAVATOR	2001	12/28/01	$159,000	VOLVO	EW170 EXCAVATOR	2002	2017	2032	2047
UT2	163WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2009	07/27/09	$11,857	CAM	8CAM824DOTT Utility Trailer	2010	2030	2050	2070

1000 Hartford Road, Waterford, CT 06385
860-444-5886 860-442-9037

Utility Commission

Inter-Office Correspondence

To: Dan Steward – First Selectman
Gail Miller – Finance Dept.

From: Neftali Soto, PE - Chief Engineer Utility Commission

Date: October 27, 2017

Re: **2019-23 Fleet Management Plan (FMP)-WUC**

Dear Mr. Steward & Ms. Miller,

As requested on your memo Sept. 11, 2017 – Fleet Management Guidelines for FY 2019- 2023, the following is submitted for your consideration:

The FY 2019 - FY 2023 Fleet Management Plan identifies the following vehicles scheduled to be replaced during FY 2019:

- **C2 (50 WFD)** WUC SUV-DPW / 2011 -- Ford-Expedition XLT - This vehicle is in excellent conditions with only 21,843 miles. There is no need to replace this vehicle at this time. Considering the conditions and the mileage of this vehicle, it is recommended that replacement be re-scheduled to 2021. At such time, a new evaluation will be made to consider if such replacement could be extended for future years.

Regarding transportation and logistics needs for the Utility Commission, due to the fact that our wastewater electrician conducts maintenance and improvements work, mostly by himself, the ability to have his own assigned and equipped vehicle will greatly improve the efficiency of the vast and significant work being and to be done. It is noted that the 2019 FMP schedules for the replacement of utility units W-26 and W-46 currently assigned to the Quaker Hill and Oswegatchie fire services, respectively. Although these units might not meet the critical needs of the fire services, according to the town mechanics, these units appear to have the usefulness that would meet the needs of the utility commission. To that goal, it is hereby respectfully requested from the fleet management committee to consider the transfer of one of these units, preferably W-26 to the Utility Commission to accommodate our needs. Obviously, this could be done on a "not to be replaced" approach. This "hand me down" transfer will significantly alleviate the transportation and logistics needs that we currently have, without the town having to increase the FMP budget and incur in additional expenditures.

Furthermore, for some time the Utility Commission has been considering and evaluating the benefits of having some construction equipment to conduct underground repairs to our sewers infrastructure, as well as some minor construction work needed. The advantage of having our own equipment and conduct repairs, and to some extend new construction, was recently demonstrated for the construction of the grit station at the landfill. With rented equipment our very own staff constructed the grit station at a cost of $120,000, as compared to the lowest price of $319,000 that we received during solicitations last year.

This equipment, which the Utility Commission intends to include in the FY21 FMP, will be utilized for mitigation of inflow and infiltration (I/I) and various new construction needs, such as the installation of odor control vents throughout the collection system. The construction of passive odor control vents will result in a significant reduction on the cost of chemicals currently used for such purpose. The type of equipment recommended to be acquired is: a backhoe or small excavator and a medium duty dump truck, at a cost of $95,000 and $172,000, respectively. Other (non-capital) minor, and necessary, equipment and tools associated with the intended use of the requested equipment will be acquired through our operating budget.

If there are any questions, please give me a call.

Respectfully Submitted for your consideration,

Tali

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

																20		23		16	
																$ 1.11		$ 1.55		$ 1.03	
																$ 1,110,459		$ 1,553,824		$ 1,031,263	
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs		2020		2021		2022	
CAR 100	50WFD	31	WUC	9999	0	Do Not Replace	1984	02/08/13	Donated	Humvee	1 1/4-ton Utility Vehicle (Military Surplus)	000130		$0		$ -					
C1	53WFD	31	WUC	SUV-DPW	8	SUV	2017	08/30/17	$26,771	Ford	EXPLORER	1FM5K8B85HGC17124	1,195	$0							
C2	116WFD	31	WUC	SUV-DPW	8	SUV	2011	03/29/11	$27,198	Ford	EXPEDITION XLT 4x4	1FMJU1G51BEF25120	21,843	$1,555	~~$ 33,718~~			$ 35,000			
C3	122WFD	31	WUC	240SPC-DPW	20	20-YEAR SPECIALTY UNIT	2012	03/06/12	$115,979	International	7,500 SBA With Hi-Vac Attach	1HTWNAZB4CJ115205	5,639	$12,469							
C3-A Mounted on C-3	N/A	31	WUC	VAC-Body	10	Vac-All Body	2012	03/06/12	$163,857	AQUATECH	HI VAC ATTACHMENT	Model B-10	N/A	N/A						$ 172,960	
C4	51WFD	31	WUC	5DMP-DPW	20	5 TON DUMP TRUCK	1991	01/02/91	$114,000	Ford	L-8000	1FDYR82A6MVA06368	17,158	$2,724		$ 162,090					
C4-A Mounted on C4	N/A	31	WUC	240SPC-DPW	20		2012	09/05/12	$128,697	CUES CCTV	SEWER INSPECTION SYSTEM	N/A	N/A	N/A							
PG1	144WFD	31	WUC	GEN-DPW	15	GENERATOR	1982	01/02/82	$19,125	ONAN	TRAILER	1013131	524	$293							
PG2	179WFD	31	WUC	GEN-DPW	15	GENERATOR	1991	01/02/91	$20,000	ONAN	TRAILER	16MG1067LD017031	278	$0							
PG3	332WFD	31	WUC	GEN-DPW	15	GENERATOR	2015	05/15/15	$60,895	CUMMINGS	C100D6R 100KW Portable Generator w/trlr	G140718616	40	$0							
PP1	145WFD	31	WUC	PMP-DPW	15	PUMP	1985	01/02/85	$21,250	GORMAN RUPP	PUMP TRAILER	774243	125	$947							
PP2	148WFD	31	WUC	PMP-DPW	15	PUMP	1990	01/02/90	$21,250	GORMAN RUPP	PUMP TRAILER	968976N	141	$308							
NEW ASSET		31	WUC	PMP-DPW	15	PUMP						In acquisition process	N/A	N/A							
T1	48WFD	31	WUC	PCK-DPW	14	PICK UP	2006	06/20/06	$35,665	Chevrolet	SILVERADO PICK-UP 2500	1GBHK24DX6E251727	114,944	$15,477		$ 62,890					
T2	49WFD	31	WUC	PCK-DPW	14	PICK UP	2011	07/27/11	$55,594	GMC	K-3500 SIERRA 4wd	1GD322CL8BF243396	50,979	$4,713							
T3	82WFD	31	WUC	PCK-DPW	14	PICK UP	2018	01/31/04	$54,843	Chevrolet	Silverado 3500HD	On Order PO 181189	On order	N/A							
T4	52WFD	31	WUC	PCK-DPW	14	PICK UP	2016	09/28/16	$53,749	Chevrolet	Silverado 3500 w/body & equipment	1GB3KYCG4GZ320205	14,693	$1,352							
T5	46WFD	31	WUC	PCK-DPW	14	PICK UP	2006	06/20/06	$20,939	Ford	F-150	1FTPX14546NB57564	7,917	$4,093		$ 45,230					

MOVED FROM 2019 to 2021

Utility Commission

FIFTEEN ROPE FERRY ROAD

Town of Waterford

WATERFORD, CT 06385-2886

TO: Daniel Steward, First Selectman

FROM: Lisa L. Cappuccio, Director Senior Services

RE: Fleet Management Plan 2019 – 2023

DATE: October 27, 2017

The Senior Services van R4 (Ford Supreme Senator mini bus with wheelchair lift) will be replaced in the current fiscal year. The estimated replacement cost is $65, 900. The current R4 mini bus has a total of 103,992 miles and repair costs of $14,487.

The R30 mini bus is our newest and has only 14,723 miles to date. The last mini bus, R5 will need to be replaced in fiscal year 2021. The replacement cost is estimated to be $74, 128. This is based on the cost quoted for replacing R4 this year and the cost rising approximately 4% each year. It was recommended last year that R5 be scheduled for replacement in 2021 or 2022 because it's repair bills had totaled $5,500. They now total $8,319 one year later.

We will be starting the process of purchasing a replacement for R4 and exploring various fiscal strategies for replacing R5 in FY2021.

Please do not hesitate to call me with any questions or for clarifications (x2738).

Cc: Gail Miller
Senior Citizens' Commission

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

															20		23		16	
															$ 1.11		$ 1.55		$ 1.07	
															$1,110,459		$1,553,824		$1,070,391	
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019		2020		2021	
R30	31934	35	SRCTZ	VAN-DPW	10	VAN	2017	09/14/16	$63,020	FORD	Goshen Coach Pass. Bus	1FDEE3FS1HDC04582	14,723	$946						
R4	26820	35	SRCTZ	VAN-DPW	10	VAN	2009	09/15/09	$51,975	FORD/SUPREME	SENATOR BUS WITH LIFT	1FDEE35S49DA64658	103,992	$14,487						
R5	23979	35	SRCTZ	VAN-DPW	10	VAN	2013	11/08/13	$59,035	Ford	Goshen Coach Pass. Bus	1FDEE3FS8DDB28949	71,036	$8,319					$ 74,128	

FIFTEEN ROPE FERRY ROAD

WATERFORD, CT 06385-2886

FY'19 Fleet Management Review

Recreation and Parks Commission

This is a review of the Recreation and Park Commission's Fleet Management Plan. All vehicles and equipment will be summarized with use and any recommendations. Hours and mileage are recorded as of September 29, 2017 on the spreadsheet provided (attached). Below are recommendations and requests for updating the R&P Fleet Management schedule.

R6 This vehicle is still in use by the department and is crucial to the Summer Jobs For Minors operations. There is a Do Not Replace tag for this vehicle, however, once the vehicle's lifespan passes, the department will have to make major changes to the program if transportation is not available. This vehicle also plays a role as a backup in the event any other vehicles are expecting a long service schedule or down time. This vehicle also is heavily relied upon for special events and road races. This could also be a vehicle used by various departments when SJFM program is not running.

Our request is to use the FM plan to acquire larger vehicles from PD or EMS to assist in transporting minors to job sites. Recently, PD had some of the larger vehicles come up for replacement. Is it possible to begin a program that allows R&P to inherit an Expedition or large SUV to be able to continue the operations of the program? The other alternative would be to start budgeting for van rentals during the summer – a 15 passenger van averages $139/day or $6,367 for the length of the program.

P51 **Being replaced in FY'19 -** Upon visit to PW garage, the hours were reset- last available reading was 3,405. We have spent approx. $7,523 in repair costs for this machine over its life span. The cost designated to replace this machine is accurate with the ability to include a beach grooming attachment. We currently outsource the grooming annually and this piece of equipment will greatly increase the condition of the beach seasonally with the ability to groom on a consistent basis aside from just seaweed removal. The attachment and machine will have leveling capabilities that will greatly aid the patron use of the beach.

P61 Should be listed as **TRC-DPW** instead of MOW2-DPW as this is a Kubota tractor, not a mower.

If there are any questions or concerns, please contact me at the office, 860-444-5881.

Thank you

Ryan McNamara, Assistant Director of Recreation and Parks

Gail Miller

From: Gail Miller
Sent: Thursday, October 19, 2017 1:37 PM
To: Ryan McNamara
Subject: RE: R9, R15, R16

Hi Ryan,

Upon review of Chuck's information, I found the following:

R9 - MDD-PKS 15 yrs (in FY18 the replacement cycle on this code changed from 12 yrs to 15 yrs)
R15 & R16 are coded as PCK-PKS 14 yrs (in FY18 the replacement cycle on this code changed from 12 yrs to 14 yrs)

So while I understand Chuck's concerns, he is not correct about the replacement cycles (see second tab on Fleet Spreadsheet) for R9, R15 & R16.

I will include your email in your fleet request for FY19.

Please let me know if you have any questions.

Thank you,

Gail R. Miller
Finance Secretary
Town of Waterford
(860) 440-0562 Telephone
(860) 440-0579 Fax
email: gmiller@waterfordct.org

From: Ryan McNamara
Sent: Thursday, October 19, 2017 10:51 AM
To: Gail Miller
Subject: FW: R9, R15, R16

Hi Gail!
Can you please add Chuck's recommendations below to our Fleet Management Plan or would you rather I add the recommendation into the report?
Have a good day!
Thanks
Ryan

Ryan McNamara
Town of Waterford
Assistant Director of Recreation and Parks
15 Rope Ferry Road
Waterford, CT 06385
(w) 860-444-5881
(fax)860-440-5717

From: Chuck Palardy
Sent: Friday, October 13, 2017 2:38 PM
To: Brian Flaherty; Ryan McNamara
Subject: R9, R15, R16

FYI You should start looking into getting new ones as they are rotting away very badly. R9 should have gone this year but because they have listed as a highway truck and not P&R truck didn't happen.
R15 is listed as DPW truck 14 years and not PKS truck 12 years, R16 is listed as PKS truck 12 years so they should go FY2020 but they will be hard pressed making it. Just wanted you to know its time. Have a nice weekend.

Charles A. Palardy
Senior Mechanic
Town Of Waterford
Public Works

TOWN OF WATERFORD
ASSET CLASS AND REPLACEMENT CYCLE SCHEDULE
FLEET PLAN

Asset Class Code	Asset Class Description	Replacement Cycle in Months	Replacement Cycle in Years	CHANGES IN FY18
1500PMP-F	1500 GPM PUMPER (FIRE)	216	18	
180SPC-DPW	15-YEAR SPECIALITY UNIT	180	15	
216SPC-DPW	18-YEAR SPECIALITY UNIT	216	18	
240SPC-DPW	20-YEAR SPECIALITY UNIT	240	20	
VAC-CC	Vac-All Cab and Chassis	240	20	
VAC-Body	Vac-All Body	120	10	
5DMP-DPW	5 TON DUMP TRUCK	240	20	
AMB-F	AMBULANCE (FIRE)	240	20	
B&E-DPW	BULLDOZER/EXCAVATOR	180	15	
BKH-DPW	BACKHOE	300	25	
BOT-F	BOAT (FIRE)	360	30	
BOT-PD	Boat (Police)	360	30	
BOX-DPW	BOX TRAILER	240	20	
BRS-F	BRUSH TRUCK (FIRE)	240	20	
CAR-DPW	CAR	96	8	
CAR-HYB	CAR - HYBRID	96	8	
CAR-F	CAR (FIRE)	96	8	
CAR-F2	CAR (FIRE)	96	8	
CHP-DPW	CHIPPER	240	20	
CMP-DPW	COMPRESSOR	180	15	
CRU-DPW	CRUISER	60	5	
FLP-DPW	FRONT LOAD PACKER	180	15	
FRK-DPW	FORK LIFT	300	25	
GEN-DPW	GENERATOR	180	15	
GRD-DPW	GRADER	300	25	
GRN-DPW	STUMP GRINDER	180	15	
LDR-DPW	LOADER	240	20	
LDR-DPW2	LOADER	240	20	
MDD-DPW	MEDIUM DUTY DUMP	180	15	
M[illegible]PKS	MEDIUM DUTY DUMP	180	15	Vehicle is the same as the Medium Dump in Public works - Replacement Cycle was increased from 12 years to 15 years to be consistent with the same type of vehicl[illegible] PW

TOWN O[illegible]ATERFORD
ASSET CLASS AND REPLACEMENT CYCLE SCHEDULE
FLEET PLAN

Asset Class Code	Asset Class Description	Replacement Cycle in Months	Replacement Cycle in Years	CHANGES IN FY18
MOW LG	MOWER, LARGE	120	10	
MOW2-DPW	MOWER	180	15	
MOW-DPW	MOWER	180	15	
PCK-DPW	PICK UP	168	14	
PCK-F	PICK UP AND JEEP (FIRE)	120	10	
PCK-PKS	PICK UP	144	**14**	Vehicle is the same as the Medium Dump in Public works - Replacement Cycle was increased from 12 years to 15 years to be consistent with the same type of vehicle in PW.
PLW-DPW	SIDEWALK SNOW PLOW	360	30	
PMP-DPW	PUMP	180	15	
PVR-DPW	SUPER PAVER	300	25	
RCY-DPW	RECYCLING TRUCK	108	9	
RLL-DPW	ROLLER	240	20	
RLP-DPW	REAR LOAD PACKER	96	8	
SED-DPW	SEEDER	120	10	
SKD STR	SKID STEER LOADER	120	10	
SLP-DPW	SIDE LOAD PACKER	84	7	
SPC-F	SPECIALITY UNIT (FIRE)	240	20	
SUV-DPW	SUV	96	8	
SWP-DPW	SWEEPER	216	18	
T&A-F	TOWER LADDER/AERIAL (FIRE)	240	20	
TRC-DPW	TRACTOR	180	15	
TRL-DPW	TRAILER	240	20	
TRL-F	TRAILER (FIRE)	240	20	
TRP RAKE	TRAP RAKE	120	10	
UTL-F	UTILITY UNIT (FIRE)	144	12	
VAN-DPW	VAN	120	10	
VAN-MINI	VAN, MINI 7-PASS	60	**5**	Decreased life from 10 years to 5 years based on the use of the vans
SPC-F1	SPECIALITY UNIT (FIRE)	240	20	
UTL-DPW	UTILITY CART	120	10	
SPC P1	SPECIALITY UNIT (POLICE)	240	20	

TOWN OF WATERFORD
ASSET CLASS AND REPLACEMENT CYCLE SCHEDULE
FLEET PLAN

Asset Class Code	Asset Class Description	Replacement Cycle in Months	Replacement Cycle in Years	CHANGES IN FY18
9999	Do Not Replace			

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

															22		23		16		11		16
															$ 1.20		$ 1.55		$ 1.00		$ 0.82		$ 1.27
															$1,198,265		$1,553,824		$1,001,693		$ 819,347		$ 1,274,568
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019		2020		2021		2022		2023
P50	42WFD	37	REC/PARKS	9999	0	Do Not Replace	1980		$10,400	JOHN DEERE	1050 TRACTOR	1D50S003477	N/A	$7,395									
P51	119WFD	37	REC/PARKS	TRC-DPW	15	TRACTOR	2003	09/30/03	$31,902	JOHN DEERE	4710 TRACTOR	CVW1JD4510AS	broken	$7,523	$ 87,145								
P53	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2016	10/19/16	$60,650	TORO	GROUNDSMASTER 4100	316000766	269 hrs	$1,505									
P54	N/A	37	REC/PARKS	MOW LG	10	MOWER	2003	08/25/03	$12,919	Ferris	IS 5000 72" Mower	682	1,998 hrs	replace '18									
P55	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2016	10/19/16	$60,650	TORO	Groundsmaster 4100	316000682	330 hrs	$1,390									
P60	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2013	01/10/14	$61,160	Toro	Groundsmaster 4000 D - 10' mower	313000145	1,065 hrs	$3,413									
P61	43WFD	37	REC/PARKS	MOW2-DPW	15	MOWER	2014	09/26/14	$56,930	KUBOTA	L4760HSTC TRACTOR/LOADER w/attachments	30612	1,275 hrs	$3,091									
P62	N/A	37	REC/PARKS	MOW LG	10	MOWER	2013	08/23/13	$27,568	GROUND MASTER	3280 MOWER/HI-LIFT & BLOWER KIT	313000335,313000109,	413 hrs	$1,541									$ 42,950
P63	N/A	37	REC/PARKS	MOW LG	10	MOWER	2016	10/19/16	$18,277	TORO	GM7200 - 6' mower	316000281	189 hrs	$989									
P64	N/A	37	REC/PARKS	SED-DPW	10	SEEDER	2006	07/12/06	$10,628	SEEDA-VATOR	SE-60E	483	501 hrs	N/A									
P65	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2013	03/06/13	$35,584	TORO	GROUNDSMASTER W/PLOW ATTACH	312000301	1,298 hrs	$1,103									$ 47,822
P74	N/A	37	REC/PARKS	TRP RAKE	10	TRAP RAKE	2016	06/07/16	$19,572	TORO	SANDPRO INFIELD PRO 3040	316000434	180 hrs	$1,323									
R10	36WFD	37	REC/PARKS	**PCK-PKS**	14	PICK UP	2014	12/06/13	$33,570	Chevrolet	Silverado K250	1GC0KVCGXEF155367	34,638 miles	$3,641									
R11	37WFD	37	REC/PARKS	**PCK-PKS**	14	PICK UP	2015	12/31/14	$52,824	Chevrolet	Silverado K350 w/dump body with straight blade and sander	1GB3KYCG9FF540956	13,299 miles	$3,179									
R14	38WFD	37	REC/PARKS	**MDD-PKS**	15	MEDIUM DUTY DUMP	2009	03/13/09	$43,799	Ford	F450 DUMP	1FDAF47R49EA08998	64,630 miles	$6,036									
R15	100WFD	37	REC/PARKS	**PCK-PKS**	14	PICK UP	2008	01/29/08	$35,358	Ford	F250 PICK-UP	1FTSF21RX8EC87491	89,787 miles	$13,375								$ 51,201	
R16	44WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2008	01/16/08	$35,358	Ford	F250 PICK-UP	1FTSF21R88EC87490	71,263 miles	$18,246			$ 48,262						
R2	33WFD	37	REC/PARKS	SUV-DPW	8	SUV	2009	05/27/09	$19,932	Ford	ESCAPE - Utility Body	1FMCU93G79KC38309	43,265 miles	$1,642					$ 28,418				
R6	41WFD	37	REC/PARKS	9999	0	Do Not Replace	1999	01/02/99	$27,530	Dodge	3500 VAN	2B5WB35Z3XK581749	79,286 miles	$12,581									
R8	34WFD	37	REC/PARKS	**PCK-PKS**	14	PICK UP	2016	07/18/16	$27,990	Chevrolet	Silverado 1500 PU	1GCNKNEC9GZ302876	4,924 miles	$905									
R9	35WFD	37	REC/PARKS	**MDD-PKS**	15	MEDIUM DUTY DUMP	2006	03/08/06	$35,175	GMC	SIERRA 3500	1GDJK34D66E163756	86,860 miles	$19,328					$ 66,231				

WATERFORD PUBLIC SCHOOLS

Mr. Joseph P. Mancini
Director of Finance

Mr. Thomas W. Giard III
Superintendent of Schools

To: Linda Savitsky, Interim Director of Finance

From: Joseph Mancini, Director of Finance and Operations

Date: October 27, 2017

Re: Fleet Management Plan

In regards to the request for the Board of Education and the management of the fleet, the request for the fiscal year 2019 budget should note the following.

1. Vans – In the fiscal year 2018 budget request, the BOE requested and was approved for replacement of vehicle asset BOE12, which is still being used daily and will be replaced after the winter. The fiscal year 2019 request is to replace the van with asset ID BOE13 which has over 143,000 miles, we would be looking to replace this after the winter of 2018. BOE13 experienced $4,580.29 worth of repairs and maintenance in fiscal year 2017, the majority of this was for a full tune-up with transmission repair, new shocks, serpentine belt. It's a reliable vehicle, and these repairs last year will allow us to use the vehicle for another year. These vans have really enabled the BOE to hold down the special education transportation costs.
2. Trucks – In fiscal 2018 the board of education requested and was approved for the replacement of vehicle ID 28WFD, this vehicle is being ordered and will be in before December 1st. The board of education will not be requesting a replacement truck for fiscal 2019.

Thanks,

Joseph Mancini

JM:plk

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

															20	23	15	13	16		
															$ 1.11	$ 1.55	$ 1.00	$ 0.91	$ 1.27		
															$1,110,459	$1,553,824	$ 996,263	$ 913,647	$ 1,274,568		
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019	2020	2021	2022	2023		
BOE1	24WFD	60	Board of Ed	PCK-F	10	PICK UP AND JEEP (FIRE)	2011	06/15/11	$38,485	Ford	F250	1FDBF2B64BEC62407	44,396	$1,183				$ 51,694			
BOE10	N/A	60	Board of Ed	SKD STR	10	SKID STEER LOADER	2007	05/11/07	$22,000	New Holland	L170 Skid Str Bobcat	N7M456552						$ 33,693			
BOE11	N/A	60	Board of Ed	UTL-DPW	10	UTILITY CART	2014	02/12/14	$25,353	John Deere (w/ spreader and plow)	Model XUV855DPS	0H3009D250621									
BOE12	S2067S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2013	05/23/13	$23,238	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBGXDR755957	147,513	$2,775							
BOE13	S2068S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2013	05/23/13	$23,238	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBG1DR668500	142,357	$4,580	$22,007						
BOE14	S2065S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2013	05/23/13	$23,238	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBG9DR602548	113,924	$2,690		$22,759					
BOE15	S3164S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2014	06/25/14	$22,486	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBG4ER378549	87,900	$2,225			$23,328				
BOE2	23WFD	60	Board of Ed	VAN-DPW	10	VAN	2005	04/21/05	$20,056	Ford	ECONOLINE	1FDWE35L75HA78392	57,848	$1,084		$56,979					
BOE3	25WFD	60	Board of Ed	PCK-F	10	PICK UP	2013	11/04/13	$46,104	GMC	Sierra K3500	1GD322CGXDF186536	45,897	$3,417							
BOE4	26WFD	60	Board of Ed	PCK-F	10	PICK UP	2012	11/30/12	$42,293	Ford	F350	1FTRF3B66CEB84702	37,029	$1,430							$50,840
BOE5	27WFD	60	Board of Ed	VAN-DPW	10	VAN	2011	01/20/11	$18,425	Ford	E250 Van	1FTNE2EWXBDA45383	72,191	$877			$ -	$ 24,762			
BOE6	28WFD	60	Board of Ed	MDD-DPW	15	MEDIUM DUTY DUMP	2008	10/26/07	$31,800	Ford	F250- Requesting to replace with a F350	1FDNF21508EB25217	87,436	$4,783							
BOE7	29WFD	60	Board of Ed	PCK-F	10	PICK UP	2015	12/31/14	$44,396	Chevrolet	Silverado K350	1GC5KYCG5FZ508430	16,600	$1,922							
BOE8	30WFD	60	Board of Ed	MDD-DPW	15	MEDIUM DUTY DUMP	2012	12/20/12	$32,798	Ford	F350 PICK-UP	1FDRF3H61CEB25642	33,723	$2,046							
BOE9	117WFD	60	Board of Ed	PCK-F	10	PICK UP	2015	01/09/15	$46,037	Chevrolet	Silverado K350	1GB0KYEG7FZ510434	49,579	$1,297							

	Vehicle	Date of Service	Amount	Mileage	Description of Work
1GB0KYEG7FZ510434	2015 Chevy Silverado #117	5/23/2017	$ 780.30	56,720	Repair front door and front fender
1FTNE2EWXBDA45393	2011 Ford Ecoline #27	12/5/2016	$ 158.56	63,810	Replace right side mirror
1GB0KYEG7FZ510434	2015 Chevy Silverado #117	10/6/2016	$ 517.13		Remove & install new mirror assy
1GD322CGXDF166536	2013 GMC	8/12/2016	$ 2,193.60	31,298	Repair rear bumper, rear box and rear tailgate
1GC5KYCG5FZ508430	2015 Chevy	7/5/2016	$ 572.32	10,063	Repair right quarter panel and refinish, install new decal
1GD322CGXDF166536	2013 GMC Sierra #25	4/5/2017	$ 804.04	40,035	New brake pads
1GD322CGXDF166536	2013 GMC Sierra #25	3/15/2017	$ 151.50	39,430	Brake light repair
1GD322CGXDF166536	2013 GMC Sierra	7/18/2016	$ 268.16	30,877	Brake light repair, inspection, alignment, fuel tank issue
1FTRF3B66CEB84702	2012 Ford F350	2/3/2017	$ 1,429.92	32,605	Brake pads, transmission service
1FDBF2B64BEC82407	2011 Ford F250	1/24/2017	$ 433.14	51,951	Transmission service, battery replacement
1FDWE35L75HA78392	2005 Ford Econoline (Cube Truck)	12/19/2016	$ 795.56	41,897	Replace rear spring shackles
1FTNE2EWXBDA45393	2011 Ford Econoline	7/12/2016	$ 718.65	59,136	wheel bearings, front shocks
1FDRF3H61CEB25642	2012 Ford F350	6/22/2017	$ 2,045.88	31,867	Brakes
1FDNF21508EB26217	2008 Ford F250 #28	5/11/2017	$ 1,546.70	85,617	Replace ball joints, axle u joint, new front calipers, pads and rotors
1FDNF21508EB26217	2008 Ford F250	1/10/2017	$ 460.53	82,250	Alternator and belt repair
1FDNF21508EB26217	2008 Ford F250	8/17/2016	$ 42.70	78,506	Oil Indicator
1FDBF2B64BEC82407	2011 Ford F250	8/9/2016	$ 750.17	47,888	Brake job
1FDNF21508EB26217	2008 Ford F250	8/11/2016	$ 402.77	78,319	Starter replacement
1FDNF21508EB26217	2008 Ford F250 #28	7/26/2016	$ 1,771.90	78,034	Rear brakes and shocks
1FDNF21508EB26217	2009 Ford F250 #28	11/23/2016	$ 558.64		New tires
1FDWE35L75HA78392	Truck #23	11/9/2016	$ 288.32		New tires & alignment
1GC5KYCG5FZ508430	Truck #29	11/15/2016	$ 1,349.99		Starter and camera install
	Maintenance/Repair Costs for FY17		**$ 18,040.48**		

Van Number	Date of Service	Amount	Mileage	Description of Work
Van #68	8/11/2016	$ 280.99	96,617	Diagnostics, safety inspection
Van #68	10/10/2016	$ 2,488.80	102,513	tires, spark plugs, power steering service, transmission service, brakes
Van #68	1/5/2017	$ 154.35	114,329	Blades, oil change, safety inspection
Van #68	4/12/2017	$ 113.05	127,540	Oil change, safety inspection, wiper blades
Van #68	5/22/2017	$ 1,543.10	132,832	Front shocks, serpentine belt, 2 new tires
Subtotal for Van #68		**$ 4,580.29**		
Van #67	8/30/2016	$ 197.44	104,373	New tire
Van #67	10/5/2016	$ 1,478.75	107,601	Inspections, brake pads, transmission service, spark plugs, 1 tire, cooking system service
Van #67	12/20/2016	$ 471.10	116,718	safety inspection, brake inspection, oil change, 2 tires
Van #67	3/21/2017	$ 60.95	125,724	Oil Change, cabin air filter, tire rotation
Van #67	3/24/2017	$ 566.84	126,422	Spark plugs, gasket, transmission line leak
Subtotal for Van #67		**$ 2,775.08**		
Van #65	10/13/2016	$ 46.90	82,521	Inspections, cabin air filter, tire rotation
Van #65	1/10/2017	$ 100.00	90,624	safety inspection, brake inspection, oil change
Van #65	4/11/2017	$ 2,543.38	97,375	oil change, safety inspection, transmission service, rear shocks, front brakes, power steering service, broken tail light
Subtotal for Van #65		**$ 2,690.28**		
Van #66	8/17/2016	$ 911.13	56,753	Wiper blades, Inspections, 4 tires, alignment
Van #66	10/17/2016	$ 716.06	60,406	Inspections, wiper blades, transmission service, brake system flush & service
Van #66	1/4/2017	$ 99.00	66,277	safety inspection, brake inspection, oil change
Van #66	4/11/2017	$ 499.10	75,663	Oil change, safety inspection, 2 tires, wheel alignment
Subtotal for Van #66		**$ 2,225.29**		
Total Maintenance/Repair Costs for FY17		**$ 12,270.94**		

FIFTEEN ROPE FERRY ROAD

Town of Waterford

WATERFORD, CT 06385-2886

Memorandum

To: Terence Dinnean, Bruce Miller, Brett Mahoney, Stephen Bellos, Brian Long, Brian Flaherty, Lisa Cappuccio, Neftali Soto, Abby Piersall, Tom Giard, Joe Mancini
CC: Ronald Fedor, Thomas Dembek, Richard Muckle, Susan Driscoll, Jody Nazarchyk, Jim Bartelli, Ryan McNamara, Todd Branche, Todd Patton, Mark Schenking, Matt Carson, Timothy O'Neill, Steven Garvin
From: Daniel M. Steward, First Selectman
Date: 09/11/2017
Re: Fleet Management Guidelines 2019-2023

Attached is the Town of Waterford Fleet Management Replacement Plan for fiscal years 2019-2023. Please review the replacement cost for the vehicles. As we've discussed at staff meetings some of the replacement costs are not accurate. If you feel that the replacement cost is not accurate, please provide your recommended replacement cost and an explanation as to how you determined the revised cost.

The replacement of vehicles and rolling stock equipment at a value of $10,000 or more must be included in the Fleet Management Plan. Based on the information you provided, the Plan has identified all assets meeting this criteria and defined a replacement schedule based upon a vehicle/equipment classification. The Asset Class Description and replacement parameters are included in the attached workbook on the tab labeled "Planning Parameters.

Please review the assets and replacements of your department for fiscal years 2019-2023.

1. Update the miles/hours used column with September 2017 mileage/hours. (The day you use is up to you as long as it is within the month of September 2017)

2. Each department with scheduled vehicle/equipment replacements in the FY19 Fleet Management Plan **MUST** identify the make, year, model and odometer reading of the vehicle being replaced together with a general statement on the condition of the asset and submit detail repair data to substantiate the replacement.

3. Please include repair costs for vehicles/equipment not scheduled to be replaced in FY19. (Attached is a summary of all vehicle repair costs provided by Chuck as of the end of August) If you feel the repair costs reflected are accurate simply find your vehicle and input the repair costs in the spreadsheet. There is no need to supply the detail for these vehicles since they are not due for replacement in FY19.

4. As mentioned above, if you feel that the replacement cost is not accurate, please provide your recommended replacement cost and an explanation as to how you determined the revised cost

5. If there are deviations from the plan, please submit justification for the suggested change.

SUBMISSION DEADLINE:
Please email your memo with the necessary information and the completed spreadsheet to Gail Miller gmiller@waterfordct.org no later than Friday, October 27, 2017.

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

															20	23	15	13	16	
															$ 1.11	$ 1.55	$ 1.00	$ 0.91	$ 1.27	
															$1,110,459	$1,553,824	$ 996,263	$ 913,847	$ 1,274,568	
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019	2020	2021	2022	2023	
A4	114WFD	4	Assessor	CAR-DPW	8	CAR	2003	06/23/03	$25,538	Ford	CROWN VICTORIA	2FAHP71W83X209380								
BOE1	24WFD	60	Board of Ed	PCK-F	10	PICK UP AND JEEP (FIRE)	2011	08/15/11	$38,465	Ford	F250	1FDBF2B64BEC82407						$ 51,694		
BOE10	N/A	60	Board of Ed	SKD STR	10	SKID STEER LOADER	2007	05/11/07	$22,000	New Holland	L170 Skid Star Bobcat	N7M455552						$ 33,693		
BOE11	N/A	60	Board of Ed	UTL-DPW	10	UTILITY CART	2014	02/12/14	$25,353	John Deere (w/ spreader and plow)	Model XUV855DPS	CH3009D250621								
BOE12	S2067S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2013	05/23/13	$23,238	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBGXDR755957								
BOE13	S2068S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2013	05/23/13	$23,238	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBG1DR668500			$22,007					
BOE14	S2065S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2013	05/23/13	$23,238	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBG9DR602549				$22,759				
BOE15	S3164S	60	Board of Ed	VAN-MINI	5	7-Passenger Mini-Van	2014	06/25/14	$22,486	Dodge	Caravan 4-Wheel Drive Wagon	2C4RDGBG4ER376549					$23,328			
BOE2	23WFD	60	Board of Ed	VAN-DPW	10	VAN	2005	04/21/05	$29,056	Ford	ECONOLINE	1FDWE35L75HA78392				$56,979				
BOE3	25WFD	60	Board of Ed	PCK-F	10	PICK UP	2013	11/04/13	$46,104	GMC	Sierra K3500	1GD322CGXDF166536								
BOE4	26WFD	60	Board of Ed	PCK-F	10	PICK UP	2012	11/30/12	$42,293	Ford	F350	1FTRF3B66CEB84702								$56,840
BOE5	27WFD	60	Board of Ed	VAN-DPW	10	VAN	2011	01/20/11	$18,425	Ford	E250 Van	1FTNE2EWXBDA45393					$ -	$ 24,762		
BOE6	28WFD	60	Board of Ed	MDD-DPW	15	MEDIUM DUTY DUMP	2008	10/26/07	$31,800	Ford	F250- Requesting to replace with a F350	1FDNF21508EB26217								
BOE7	29WFD	60	Board of Ed	PCK-F	10	PICK UP	2015	12/31/14	$44,396	Chevrolet	Silverado K350	1GC5KYCG5FZ508430								
BOE8	30WFD	60	Board of Ed	MDD-DPW	15	MEDIUM DUTY DUMP	2012	12/20/12	$32,798	Ford	F350 PICK-UP	1FDRF3H61CEB25642								
BOE9	117WFD	60	Board of Ed	PCK-F	10	PICK UP	2015	01/09/15	$46,037	Chevrolet	Silverado K350	1GB0KYEG7FZ510434								
W-500	1360	COH	Cohanzie Fire Company	9999	0	Do Not Replace	2009	05/20/09	$197,469	Ford	Ambulance	1FDAF56R59EA45856								
W-51	346WFD	COH	Cohanzie Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2016	04/11/16	$543,200	E-One	Custom Pumper	4EN6AAA8XG1009830								
W-53	347WFD	COH	Cohanzie Fire Company	BRS-F	20	BRUSH TRUCK (FIRE)	2009	05/13/09	$95,854	Ford	Super Duty F-550	1FDAW57R29EA35364								
W-55	348WFD	COH	Cohanzie Fire Company	T&A-F	20	TOWER LADDER/AERIAL (FIRE)	2004	12/29/04	$667,929	SUTPHEN	Ladder Truck	1S9A7LLD442003078								
W-56	349WFD	COH	Cohanzie Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2011	10/12/10	$47,426	Ford	F350	1FT8X3BT6BEA81633							$ 69,647	
W-57	350WFD	COH	Cohanzie Fire Company	SPC-F	20	SPECIALTY UNIT (FIRE)	2010	10/05/10	$511,983	Ferrara Igniter Custom	Rescue Truck	1F9505328AH140755								
W-600	1340	GOS	Cohanzie Fire Company	9999	0	Do Not Replace	2002	09/27/02	$140,000	Ford	Ambulance	1FDXE45F92HA21112							$ 43,325	
CAR 18	18WFD	22	EMERGENCY MANAGEMENT	9999	0	Do Not Replace	2008	11/15/10	$19,000	Chevrolet	SILVERADO PICK-UP 1500	3GCEK13328G306359							$ 42,500	
Car 115 (Q115)	115WFD	23/FM	FIRE MARSHAL	SUV-DPW	8	SUV	2015	06/19/15	$33,333	Ford	UTILITY INTERCEPTOR	1FM5K8AR6FGB52372								
Car 55 (Q55)	55WFD	23/FM	FIRE MARSHAL	PCK-F	10	PICKUP AND JEEP (FIRE)	2013	11/16/12	$31,620	Ford	F150 PICKUP (with cap)	1FTFW1EFXDKD31481								
Car 85 (Q85)	85 WFD	23/FM	FIRE MARSHAL	CAR-F	8	SUV	2016	02/26/16	$43,884	Ford	EXPEDITION	1FMJU1JT9GEF29608								
A1	1WFD	1	FIRST SELECTMAN	CAR-HYB	8	CAR - HYBRID	2012	09/18/12	$27,238	Ford	Fusion Hybrid	3FADP0L31CR322157	59,969	$4,179	$ -			$ 34,500		
Boat Trailer	1957	GOS	Goshen Fire Company	TRL-F	20	TRAILER (FIRE)	2017	06/03/16	$8,749	Shore Lander	Boat Trailer	1MDAVA121HA609182								
W-300	589	GOS	Goshen Fire Company	9999	0	Do Not Replace	2012	08/01/12	$190,000	GMC	Ambulance	1GD675CL7C1154336								
W-31	1303	GOS	Goshen Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2014	07/25/13	$486,826	KME Custom	Pumper	1K9AF4281EN058620								

TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
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																20	23	15	13	16
																$ 1.11	$ 1.55	$ 1.00	$ 0.91	$ 1.27
																$1,110,459	$1,553,824	$ 996,263	$ 913,847	$ 1,274,568
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs		2019	2020	2021	2022	2023
W-32	371	GOS	Goshen Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	1998	02/23/99	$307,935	Spartan	1,500 GPM Pumper	4S7AT419XWC026143						$ 563,410		
W-34	2654	GOS	Goshen Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2012	03/01/12	$58,114	Ford	F450	1FDUF4HT2CEA51122								
W-36	1494	GOS	Goshen Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2007	08/29/06	$36,973	Ford	F350 pickup	1FTWW31P17EA67953				$ -	$ 54,030			
W-93	N/A	GOS	Goshen Fire Company	BOT-F	30	BOAT (FIRE)	2007	06/29/07	$103,334	Lake Assault	24' Landing Craft	LKKGFD93G707								
W-100	600	JOR	Jordan Fire Company	9999	0	Do Not Replace	2011	09/28/11	$210,000	Dodge	4500 ST Ambulance	3D6WA6EL7BG559048								
W-11	1451	JOR	Jordan Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2014	12/05/14	$458,400	Typhoon	1,500 GPM Pumper	4EN6AAA80E1008750								
W-15	1454	JOR	Jordan Fire Company	T&A-F	20	TOWER LADDER/AERIAL (FIRE)	2016	07/28/17	$998,854	Pierce	Arrow XT Ladder Truck	4P1BCAGF1GA016140	7,147							
W-16	1484	JOR	Jordan Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2005	04/22/05	$43,594	Ford	F350	1FTWW31P15EC55708								
W-400	589	OSW	Oswegatchie Fire Company	9999	0	Do Not Replace	2008	01/08/08	$192,378	Ford	F-550 4x4 Ambulance	1FDAF57R18EC19192								
W-41	1103	OSW	Oswegatchie Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	1998	02/16/99	$279,030	Spartan	1,500 GPM Pumper	4S7AT2294WC026142								
W-42	1349	OSW	Oswegatchie Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2007	05/14/08	$416,793	Seagrave	1,500 Marauder Pumper	1F9ES28T97CST2165								
W-43	1026	OSW	Oswegatchie Fire Company	BRS-F	20	BRUSH TRUCK (FIRE)	2006	06/06/06	$125,245	Ford	F550 Brush Truck	1FDAX57P66ED51762								
W-46	1348	OSW	Oswegatchie Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2006	01/23/06	$44,606	Ford	F350	1FDWW31P96EB60911				$ 51,557				
W-94	1347	OSW	Oswegatchie Fire Company	SPC-F	20	SPECIALTY UNIT (FIRE)	1988	09/15/89	$275,093	Simon	Duplex	1D91P11J3J1008891								
ATV 1		29	POLICE	ATV-PD	10	ALL TERRAIN VEHICLE	2007	06/11/08	$5,485	KAWASAKI	MULE OFF ROAD UTILITY VEHICLE	JK1AFEA127B534391								
ATV 2		29	POLICE	ATV-PD	10	ALL TERRAIN VEHICLE	2017	06/14/17	$6,044	POLARIS	A17SEA57A5 ATV	4XASEA571HA071534								
ATV 3		29	POLICE	ATV-PD	10	ALL TERRAIN VEHICLE	2017	06/14/17	$6,044	POLARIS	A17SEA57A5 ATV	4XASEA571HA085837								
CAR 1	377MHN	29	POLICE	CRU-DPW	5	CRUISER	2014	05/13/14	$32,092	Chevrolet	Caprice	6G3NS5R26EL956920				$ 33,150				
CAR 10	10WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/21/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR7GGB89111						$ 41,424		
CAR 101	54WFD	29	POLICE	9999	0	Do Not Replace	1985	04/29/13	Donated	Humvee	1 1/4-ton Utility Vehicle (Military Surplus)	011418								
CAR 11	11WFD	29	POLICE	SUV-DPW	8	SUV	2016	05/31/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR3GGB89106						$ 29,070		
CAR 12	12WFD	29	POLICE	CRU-DPW	5	CRUISER	2014	06/06/14	$32,390	Chevrolet	Caprice	6G3NS5R31EL962648				$ 33,500				
CAR 13	13WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/07/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR1GGB89105						$ 29,070		
CAR 14	14WFD	29	POLICE	CRU-DPW	5	CRUISER	2014	06/06/14	$32,390	Chevrolet	Caprice	6G3NS5R37EL962766				$ 33,150				
CAR 15	15WFD	29	POLICE	SUV-DPW	8	Pick -up Truck	2017	01/25/17	$42,579	Chevrolet	SILVERADO 4WD CREW CAB	3GCUKNEC4HG276068	10					$ 29,070		
CAR 16	16WFD	29	POLICE	SUV-DPW	8	SUV	2015	10/28/14	$33,983	Ford	EXPLORER	1FM5K8AR9FGA94449								$ 43,049
CAR 17	17WFD	29	POLICE	9999	0	Do Not Replace	1981	01/02/81	$16,901	Chevrolet	CORVETTE (Drug Forfeiture)	1G1AY8764BS410774								
CAR 19	19WFD	29	POLICE	SUV-DPW	8	SUV	2016	05/02/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR5GGB89110								
CAR 2	2WFD	29	POLICE	CRU-DPW	5	CRUISER	2011	07/19/11	$21,631	Ford	CROWN VICTORIA	2FABP7BV1BX173221					$ 27,400			
CAR 20	AB38068	29	POLICE	SUV-DPW	8	SUV	2016	10/30/15	$33,554	Ford	Explorer	1FM5K8AR7GGB19608								
CAR 21	21WFD	29	POLICE	SUV-DPW	8	SUV	2011	11/14/11	$28,553	Ford	EXPEDITION	1FMJU1G55BEF53860					$ 36,170			
CAR 22	22WFD	29	POLICE	SUV-DPW	8	SUV	2015	11/18/14	$42,428	Ford	Explorer Police AWD	1FM5K8AR7FGA94448								$ 53,747

TOWN OF WATERFORD
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															20	23	15	13	16	
															$ 1.11	$ 1.55	$ 1.00	$ 0.91	$ 1.27	
															$1,110,459	$1,553,824	$ 996,263	$ 913,847	$ 1,274,568	
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019	2020	2021	2022	2023	
CAR 23	932PHE	29	POLICE	SUV-DPW	8	CAR	2017	01/31/17	$32,722	Ford	EXPLORER	1FM5K8AR5HGB83275	10		$ 39,047					
CAR 24	931PHE	29	POLICE	CAR-DPW	8	CAR	2011	12/23/10	$23,976	Ford	TAURUS	1FAHP2HW1BG145602			$ 39,047					
CAR 25	583UTH	29	POLICE	SUV-DPW	8	SUV	2014	07/17/14	$28,175	Ford	Utility Interceptor AWD	1FM5K8AR9EGA50496							$ 35,691	
CAR 26	584UTH	29	POLICE	SUV-DPW	8	SUV	2014	07/17/14	$28,403	Ford	Utility Interceptor AWD	1FM5K8AR5EGA76240							$ 35,980	
CAR 27	873PJK	29	POLICE	SUV-DPW	8	SUV	2017	10/17/16	$34,879	Ford	Explorer Police AWD	1FM5K8AR6HGA79474								
CAR 28	8AMLP7	29	POLICE	SUV-DPW	8	SUV	2015	10/07/14	$34,115	Ford	Explorer Police AWD	1FM5K8AR0FGA89060							$ 43,216	
CAR 29	935GHH	29	POLICE	CRU-DPW	5	CRUISER	2014	05/13/14	$30,658	Chevrolet	Caprice	6G3NS5R34EL958190			$ 35,541					
CAR 3	3WFD	29	POLICE	CAR-DPW	8	CAR (requesting SUV)	2011	07/13/11	$21,631	Ford	Crown Victoria	2FABP7BV5BX173223				moved fy18				
CAR 30	156MCM	29	POLICE	CAR-DPW	8	CAR (requesting SUV)	2010	11/30/09	$23,086	Ford	TAURUS	1FAHP2DW1AG112586								
CAR 31	AB38069	29	POLICE	SUV-DPW	8	SUV	2016	10/30/15	$33,977	Ford	Explorer Police AWD	1FM5K8AR9GGB19609								
CAR 33	236DJW	29	POLICE	9999	0	Do Not Replace	2005	02/21/14	$10,800	Honda	Accord (Asset Forfeiture)	1HGCM66845A04811								
CAR 34	236DJW	29	POLICE	9999	0	Do Not Replace	2002	02/21/14	$5,875	Honda	Civic (Asset Forfeiture)	2HGES26792H561129								
CAR 4	4WFD	29	POLICE	SUV-DPW	8	SUV	2016	05/31/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR9GGB89109					$ 29,070			
CAR 5	5WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/04/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR7GGB89108					$ 30,990			
CAR 6	6WFD	29	POLICE	SUV-DPW	8	SUV	2015	11/07/14	$36,885	Chevrolet	Tahoe	1GNSK3EC4FR306315							$ 46,725	
CAR 7	7WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/04/16	$46,719	Ford	Explorer Police AWD	1FM5K8AR9GGB89112								
CAR 8	8WFD	29	POLICE	SUV-DPW	8	SUV	2016	04/07/16	$42,012	Ford	Explorer Police AWD	1FM5K8AR5GGB89107					$ 40,118			
CAR 9	9WFD	29	POLICE	CRU-DPW	5	CRUISER	2014	06/06/14	$53,565	Chevrolet	Caprice	6G3NS5R36EL962693			$ 33,500					
CV1	118WFD	29	POLICE	9999	0	Do Not Replace	1998	08/23/98	$135,769	Ford	E450 Command Vehicle	1FDXE40F2WHB92670								
PD1	152WFD	29	POLICE	BOX-DPW	20	BOX TRAILER	1993	01/02/93	$3,282	CROSS	59 TRAILER	1C9FS0917P1431062						$ 4,000		
PD2	N/A	29	POLICE	BOT-PD	30	Boat (Police)	2012	03/02/12	$462,696	Sea Ark Marine 2810V	20' Dauntless Ram Patrol BOAT AND PROPULSION PKG	SAMA2026H111								
A18	45WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2006		$23,656	Ford	CROWN VICTORIA	2FAHP71W86X122289								
A2	106WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2001	12/06/00	$22,523	JEEP	CHEROKEE	1J4FF48S51L565909								
A20	104WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2008	12/18/07	$26,797	Ford	EXPLORER	1FMEU73E68UA17301								
A8	110WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2003	01/20/03	$21,759	Ford	CROWN VICTORIA	2FAFP71W03X140532								
H1	N/A	30	PUBLIC WORKS	FRK-DPW	25	FORK LIFT	1967	01/20/99	$17,062	HYSTER - Purchased Used	S20A Fork Lift	A10D5889L								
H11	81WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2007	09/27/06	$29,837	Ford	F250 4X4	1FTSF21P87EA84225					$ 51,564			
H12	80WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2003	01/02/03	$37,196	Ford	F450 4x2	1FDXF46F63EB17892			$ 60,000					
H13	79WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2014	12/06/13	$33,569	Chevrolet	Silverado K250	1GC0KVCGXEF154607								
H14	129WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	02/09/15	$140,270	International	4300 SBA Tarco T2000 S/S	1HTMMAAL8FH734287								
H147	147WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	1991	06/07/91	$2,194	ROSCO	TRAILER	1YB411327M1B1T617								
H15	121WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2015	03/27/15	$140,270	International	4300 SBA Tarco T2000 S/S	1HTMMAALXFH734288								
H16	123WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/18/17	$171,927	FREIGHTLINER	114SD DUMP	1FVACWFC5JHJJ7757	103							
H17	86WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2018	04/26/17	$171,927	FREIGHTLINER	114SD DUMP	1FVACWFC3JHJJ7756	100							

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															20	23	15	13	16	
															$ 1.11	$ 1.55	$ 1.00	$ 0.91	$ 1.27	
															$1,110,459	$1,553,824	$ 996,263	$ 913,847	$ 1,274,568	
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019	2020	2021	2022	2023	
H18	125WFD	30	PUBLIC WORKS	MDD-DPW	15	MEDIUM DUTY DUMP	2010	06/17/09	$99,117	International	4300 SBA Dump	1HTMMAAL8AH188776								
H19	78WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2012	03/14/12	$31,876	Ford	F-250 4X4	1FTBF2B68CEA59387								
H24	56WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2003	10/18/02	$118,670	Elgin	PELICAN P SWEEPER	P-3928-S				$ 187,566				
H25	57WFD	30	PUBLIC WORKS	SWP-DPW	18	SWEEPER	2018	03/13/17	$221,772	FREIGHTLINER	M2105 A7 Tornado Sweeper	1FVACXFC9JHJH1578	124							
H26	62WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1959	01/01/59	N/A	Ferguson	TO-35 TRACTOR MOWER	SGM 193199								
H27	63WFD	30	PUBLIC WORKS	TRC-DPW	15	TRACTOR	2008	05/20/08	$82,026	JOHN DEERE	MODEL 5603 TRACTOR	LV5603R268632							$ 97,648	
H30	87WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	05/12/17	$173,657	FREIGHTLINER	114SD	1FVAG3FE9JHJH1112	153							
H31	88WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/05/16	$170,945	FREIGHTLINER	114SD	1FVAG3CY3HHJA1291								
H32	95WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2017	08/11/16	$170,945	FREIGHTLINER	114SD	1FVAG3CY5HHJA1292								
H-33	135WFD	30	PUBLIC WORKS	GRN-DPW	15	STUMP GRINDER	2004	11/12/04	$23,651	CARLTON	7500 - Stump Grinder	1J9G42122C1167474				$ -		$ 41,037		
H34	94WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2004	03/19/04	$91,116	Sterling	L7500	2FZAATDC84AN04719			$ 176,728	$ -				
H35	92WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2012	09/28/12	$195,832	International	7400 SFA 4X2 12M DUMP/SPREADER WITH CRANE	1HTWDAZR8CH121003				$ -				
H36	124WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	03/04/14	$140,885	International	7400 SFA 4x2	1HTWDAAR2EH025219				$ -				
H37	131WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	02/14/14	$140,885	International	7400 SFA 4x2	1HTWDAAR0EH025218								
H38	130WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2014	12/24/13	$140,885	International	7400 SFA 4x2 (with Tenco spreader)	1HTWDAAR9EH025220								
H39	96WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2009	07/23/08	$115,800	International	7400 SFA	1HTWDAAR29J077349								
H40	97WFD	30	PUBLIC WORKS	5DMP-DPW	20	5 TON DUMP TRUCK	2018	06/13/03	$176,828	FREIGHTLINER	1145SD	On Order PO 181123								
H42	99WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	12/31/09	$104,350	International	7600 SFA 6x4 Tractor Trailer	1HSWXSJT8AJ273491								
H43DT	161WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2001	09/14/00	$30,375	FRUEHAUF	DUMP TRAILER	1JJU262F61S737748						$ 60,000		
H43LB	165WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1954	01/02/54	$1,295	FRUEHAUF	LOW BED TRAILER	FW96419							$ -	
H43RO	151WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2000	11/10/00	$14,925	BENLEE	TRAILER TA60TC34	1B9A13420YB183504				$ 58,100				
H43T	164WFD	30	PUBLIC WORKS	UTL-F	12	UTILITY UNIT (FIRE)	2006	10/05/05	$37,398	TOWMASTER	T-70DTG DUMP TRAILER	4KNFT22276L160354					$ -	$ 60,000		
H44	158WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2005	11/18/04	$24,000	VERMEER	BC1000XL-CHIPPER	1VRY1119X51005548								
H45	60WFD	30	PUBLIC WORKS	BKH-DPW	25	BACKHOE	2009	03/15/10	$89,180	VOLVO	BL70 BACKHOE/LOADER	VCEOBL70A00020080								
H47	58WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2008	09/09/08	$39,900	JOHN DEERE	5603 LOADER/TRACTOR	LV5603R270211						$ 60,000		
H48	N/A	30	PUBLIC WORKS	RLL-DPW	20	ROLLER	2012	04/23/12	$33,105	HAMM	HD 10VV Asphalt Roller	2001793								
H49	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1970	01/02/70	$36,000	INGRAM	5-7 TON ROLLER	401073F27								
H50	101WFD	30	PUBLIC WORKS	VAC-CC	20	Vac-All Cab and Chassis	2009	04/30/08	$63,890	International	7400 SBA 4x2 Sewer Vac	1HTWCAAR79J077348								

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															$ 1.11		$ 1.55		$ 1.00		$ 0.91		$ 1.27
															$1,110,459		$1,553,824		$ 996,263		$ 913,847		$ 1,274,568
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019		2020		2021		2022		2023
H-50V	N/A	30	PUBLIC WORKS	VAC-BODY	10	Vac-All Body	2004	04/22/04	$109,898	Vac-All Body for H-50	LV10C	N/A					$ 131,230						
H51	90WFD	30	PUBLIC WORKS	216SPC-DPW	18	18-YEAR SPECIALTY UNIT	2010	06/04/10	$180,550	International	Model AL60 Aerial Lift / Hybrid	1HTMMAAR3AH247768											
H52	162WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2004	12/16/04	$14,420	Ingersoll Rand	P185WJD COMPRESSOR	350036UJ0221					$ 23,140						
H53	66WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2003	12/12/03	$91,118	TRACKLESS	MT5TD SIDEWALK PLOW w/ attachments	MT5TD-2330											
H54	67WFD	30	PUBLIC WORKS	PLW-DPW	30	SIDEWALK SNOW PLOW	2015	10/16/15	$86,534	WACKER NEUSON	WL32 COMPACT LOADER W/ATTACHMENTS	3031050											
H55	127WFD	30	PUBLIC WORKS	CHP-DPW	20	CHIPPER	2017	09/08/17	$36,044	VERMEER CHIPPER	BC1000XL-CHIPPER	1VRY11196H1025266											
H56	N/A	30	PUBLIC WORKS	9999	0	Do Not Replace	1977	01/01/77	$12,400	LAYTON	D.550B SUPER PAVER	D7621-K-6											
H58	146WFD	30	PUBLIC WORKS	CMP-DPW	15	COMPRESSOR	2008	10/14/08	$16,985	Ingersoll Rand	XP185WJD Port. Compressor	402988UGS222											
H6	108WFD	30	PUBLIC WORKS	PCK-DPW	14	PICK UP	2005	01/24/05	$30,175	Ford	F250 4X4	1FTSF21P45EB72105			$ 51,564								
H64	61WFD	30	PUBLIC WORKS	LDR-DPW	20	LOADER	2017	07/20/17	$196,847	VOLVO	L90H LOADER WHEEL	623984											
H65	59WFD	30	PUBLIC WORKS	LDR-DPW2	20	LOADER	2004	09/07/04	$115,135	VOLVO	L90E LOADER	D6DLAE2969011											
H77	168WFD	30	PUBLIC WORKS	BOX-DPW	20	BOX TRAILER	2013	07/24/13	$3,630	BIG TEX	70TV-12 UTILITY TRAILER	16VUX1220D3E93806											
H78	171WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	1974	01/01/74	Homemade	COX	Box Trailer	7214 SMBT W-23											
H9	77WFD	30	PUBLIC WORKS	180SPC-DPW	15	15-YEAR SPECIALTY UNIT	2011	11/24/10	$76,014	International	4300 SBA 4x2 w/Platform Body	1HTMMAAL9BH388342											
S18	71WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$194,875	VOLVO	WX64 PACKER	5VCDC6MF67H204567											
S19	93WFD	30	PUBLIC WORKS	9999	0	Do Not Replace	2007	01/02/07	$191,749	VOLVO	WX64 PACKER	5VCDC6MF57H203734											
S20	72WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	9/11/2015	$250,200	PETERBILT	320 SDE LOADER	3BPZLJ0X2GF100839											$ 307,714
S21	64WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2016	09/08/15	$250,200	PETERBILT	320 SDE LOADER	3BPZLJ0X9GF100840											$ 307,714
S22	70WFD	30	PUBLIC WORKS	SLP-DPW	7	SIDE LOAD PACKER	2018	03/15/11	$253,542	PETERBILT	McNEILUS SIDE LOADER	On Order PO 181190											
S23	73WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/17/08	$131,557	International	REFUSE PACKER	1HTWGAAT19J093030									$ 160,000		
S24	74WFD	30	PUBLIC WORKS	RLP-DPW	8	REAR LOAD PACKER	2009	09/19/08	$131,557	International	REFUSE PACKER	1HTWGAAT39J093031									$ 160,000		
S25	75WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	3BPZL50X7BF129186					$ 284,879						
S26	76WFD	30	PUBLIC WORKS	RCY-DPW	9	RECYCLING TRUCK	2011	03/03/11	$218,336	PETERBILT	McNEILUS SIDE LOADER	3BPZL50X0BF129188					$ 284,879						
S29	69WFD	30	PUBLIC WORKS	FLP-DPW	15	FRONT LOAD PACKER	2016	11/30/15	$223,725	PETERBUILT	DUMPSTER TRUCK	3BPZXJ0X2GF102983											
S30	65WFD	30	PUBLIC WORKS	B&E-DPW	15	BULLDOZER/EXCAVATOR	2001	12/28/01	$159,000	VOLVO	EW170 EXCAVATOR	26289408			$ 272,644								
UT2	163WFD	30	PUBLIC WORKS	TRL-DPW	20	TRAILER	2009	07/27/09	$11,857	CAM	8CAM824DOTT - Utility Trailer	5JPBU292X9P024572											
A10	112WFD		PZ/BH	CAR-DPW	8	CAR	2011	11/18/10	$18,433	Ford	ESCAPE	1FMCU9C7XBKA75810			$ 24,507								
A3	103WFD		PZ/BH	CAR-DPW	8	CAR	2011	10/06/10	$19,658	Ford	FUSION	3FAHP0JGXBR129270			$ 28,732								
A6	128WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	09/11/12	$27,238	Ford	FUSION HYBRID	3FADP0L38CR322155							$ 34,500				

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																$1,110,459	$1,553,824	$ 996,263	$ 913,847	$ 1,274,568
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs		2019	2020	2021	2022	2023
A7	107WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	10/13/11	$26,928	Ford	FUSION HYBRID	3FADP0L3XCR187566					$ 34,110			
A9	111WFD		PZ/BH	CAR-HYB	8	CAR - HYBRID	2012	10/13/11	$26,928	Ford	FUSION HYBRID	3FADP0L31CR187567					$ 34,110			
W-200	590	QH	Quaker Hill Fire Company	9999	0	Do Not Replace	2016	07/08/16	$208,527	Ford	G4500 LIFE LINE AMBULANCE	1GD67UCLXG1215341								
W-21	N/A	QH	Quaker Hill Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2006	10/02/06	$396,447	Ferrara	Igniter Custom Pumper	1F94047266H140373								
W-23	1025	QH	Quaker Hill Fire Company	BRS-F	20	BRUSH TRUCK (FIRE)	2006	07/01/06	$125,245	Ford	F550 Brush Truck	1FDAX57P86ED51763								
W-25	N/A	QH	Quaker Hill Fire Company	1500PMP-F	18	1500 GPM PUMPER (FIRE)	2016	06/17/16	$781,812	Spartan	Gladiator TeleSquirt Pumper	4S7AV2E94FC080868								
W-26	1285	QH	Quaker Hill Fire Company	UTL-F	12	UTILITY UNIT (FIRE)	2006	02/01/06	$44,076	Ford	F350	1FDWW31P76EB60910				$ 54,922				
Utility Trailer	354WFD	GOS	REC/PARKS	TRL-F	20	TRAILER (FIRE)	1989	11/01/89	not avail	Parker	Utility Trailer	13ZSA1014X1000005								
P50	42WFD	37	REC/PARKS	9999	0	Do Not Replace	1980		$10,400	JOHN DEERE	1050 TRACTOR	1D50S003477								
P51	119WFD	37	REC/PARKS	TRC-DPW	15	TRACTOR	2003	09/30/03	$31,902	JOHN DEERE	4710 TRACTOR	CVW1JD4510AS				$ 87,145				
P53	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2016	10/19/16	$60,650	TORO	GROUNDSMASTER 4100	316000766								
P54	N/A	37	REC/PARKS	MOW LG	10	MOWER	2003	08/25/03	$12,919	Ferris	IS 5000 72" Mower	682								
P55	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2016	10/19/16	$60,650	TORO	Groundsmaster 4100	316000682								
P60	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2013	01/10/14	$61,160	Toro	Groundsmaster 4000 D - 10' mower	313000145								
P61	43WFD	37	REC/PARKS	MOW2-DPW	15	MOWER	2014	09/26/14	$56,930	KUBOTA	L4760HSTC TRACTOR/LOADER w/attachments	30612								
P62	N/A	37	REC/PARKS	MOW LG	10	MOWER	2013	08/23/13	$27,568	GROUND MASTER	3280 MOWER/HI-LIFT & BLOWER KIT	313000335,313000109,								$ 42,950
P63	N/A	37	REC/PARKS	MOW LG	10	MOWER	2016	10/19/16	$18,277	TORO	GM7200 - 6' mower	316000281								
P64	N/A	37	REC/PARKS	SED-DPW	10	SEEDER	2006	07/12/06	$10,628	SEEDA-VATOR	SE-60E	483								
P65	N/A	37	REC/PARKS	MOW LG	10	MOWER, LARGE	2013	03/06/13	$35,584	TORO	GROUNDSMASTER W/PLOW ATTACH	312000301								$ 47,822
P74	N/A	37	REC/PARKS	TRP RAKE	10	TRAP RAKE	2016	06/07/16	$19,572	TORO	SANDPRO INFIELD PRO 3040	316000434								
R10	36WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2014	12/06/13	$33,570	Chevrolet	Silverado K250	1GC0KVCGXEF155367								
R11	37WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2015	12/31/14	$52,824	Chevrolet	w/dump body with straight	1GB3KYCG9FF540956								
R14	38WFD	37	REC/PARKS	MDD-PKS	15	MEDIUM DUTY DUMP	2009	03/13/09	$43,799	Ford	F450 DUMP	1FDAF47R49EA08998								
R15	100WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2008	01/29/08	$35,358	Ford	F250 PICK-UP	1FTSF21RX8EC87491							$ 51,201	
R16	44WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2008	01/16/08	$35,358	Ford	F250 PICK-UP	1FTSF21R88EC87490					$ 48,262			
R2	33WFD	37	REC/PARKS	SUV-DPW	8	SUV	2009	05/27/09	$19,932	Ford	ESCAPE - Utility Body	1FMCU93G79KC38309						$ 28,418		
R6	41WFD	37	REC/PARKS	9999	0	Do Not Replace	1999	01/02/99	$27,530	Dodge	3500 VAN	2B5WB35Z3XK581749								
R8	34WFD	37	REC/PARKS	PCK-PKS	14	PICK UP	2016	07/18/16	$27,990	Chevrolet	Silverado 1500 PU	1GCNKNEC9GZ302876								

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FISCAL YEARS 2019 - 2023

																20	23	15	13	16
																$ 1.11	$ 1.55	$ 1.00	$ 0.91	$ 1.27
																$1,110,459	$1,553,824	$ 996,263	$ 913,847	$ 1,274,568
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs		2019	2020	2021	2022	2023
R9	35WFD	37	REC/PARKS	MDD-PKS	15	MEDIUM DUTY DUMP	2006	03/08/06	$35,175	GMC	SIERRA 3500	1GDJK34D66E163756						$ 66,231		
R30	31934	35	SRCTZ	VAN-DPW	10	VAN	2017	09/14/16	$63,020	FORD	Goshen Coach Pass. Bus	1FDEE3FS1HDC04582								
R4	26820	35	SRCTZ	VAN-DPW	10	VAN	2009	09/15/09	$51,975	FORD/SUPREME	SENATOR BUS WITH LIFT	1FDEE35S49DA64658								
R5	23979	35	SRCTZ	VAN-DPW	10	VAN	2013	11/08/13	$59,035	Ford	Goshen Coach Pass. Bus	1FDEE3FS8DDB28949								
CAR 100	50WFD	31	WUC	9999	0	Do Not Replace	1984	02/08/13	Donated	Humvee	1 1/4-ton Utility Vehicle (Military Surplus)	000130					$ -			
C1	53WFD	31	WUC	SUV-DPW	8	SUV	2017	08/30/17	$26,771	Ford	EXPLORER	1FM5K8B85HGC17124	175							
C2	116WFD	31	WUC	SUV-DPW	8	SUV	2011	03/29/11	$27,198	Ford	EXPEDITION XLT 4x4	1FMJU1G51BEF25120				$ 33,718				
C3	122WFD	31	WUC	240SPC-DPW	20	20-YEAR SPECIALTY UNIT	2012	03/06/12	$115,979	International	7,500 SBA With Hi-Vac Attach	1HTWNAZB4CJ115205								
C3-A Mounted on C-3	N/A	31	WUC	VAC-Body	10	Vac-All Body	2012	03/06/12	$163,857	AQUATECH	HI VAC ATTACHMENT	Model B-10							$ 172,960	
C4	51WFD	31	WUC	5DMP-DPW	20	5 TON DUMP TRUCK	1991	01/02/91	$114,000	Ford	L-8000	1FDYR82A6MVA06368					$ 162,090			
C4-A Mounted on C4	N/A	31	WUC	240SPC-DPW	20		2012	09/05/12	$128,697	CUES CCTV	SEWER INSPECTION SYSTEM	N/A								
PG1	144WFD	31	WUC	GEN-DPW	15	GENERATOR	1982	01/02/82	$19,125	ONAN	TRAILER	1013131								
PG2	179WFD	31	WUC	GEN-DPW	15	GENERATOR	1991	01/02/91	$20,000	ONAN	TRAILER	16MG1067LD017031								
PG3	332WFD	31	WUC	GEN-DPW	15	GENERATOR	2015	05/15/15	$60,895	CUMMINGS	C100D6R 100KW Portable Generator w/trlr	G140718616								
PP1	145WFD	31	WUC	PMP-DPW	15	PUMP	1985	01/02/85	$21,250	GORMAN RUPP	PUMP TRAILER	774243								
PP2	148WFD	31	WUC	PMP-DPW	15	PUMP	1990	01/02/90	$21,250	GORMAN RUPP	PUMP TRAILER	968976N								
NEW ASSET		31	WUC	PMP-DPW	15	PUMP														
T1	48WFD	31	WUC	PCK-DPW	14	PICK UP	2006	06/20/06	$35,665	Chevrolet	SILVERADO PICK-UP 2500	1GBHK24DX6E251727					$ 62,890			
T2	49WFD	31	WUC	PCK-DPW	14	PICK UP	2011	07/27/11	$55,594	GMC	K-3500 SIERRA 4wd	1GD322CL8BF243396								
T3	82WFD	31	WUC	PCK-DPW	14	PICK UP	2018	01/31/04	$54,843	Chevrolet	Silverado 3500HD	On Order PO 181189								
T4	52WFD	31	WUC	PCK-DPW	14	PICK UP	2016	09/28/16	$53,749	Chevrolet	Silverado 3500 w/body & equipment	1GB3KYCG4GZ320205								
T5	46WFD	31	WUC	PCK-DPW	14	PICK UP	2006	06/20/06	$20,939	Ford	F-150	1FTPX14546NB57564					$ 45,230			

TOWN OF [illegible]TERFORD
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Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL
VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	+ Parts Cost	+ Outside Repairs	= Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> A1 <<<				CAR HYBRID	2012	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	128545.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	128545.0	0.0	0	0	0	0	3.5	84	106	0	191	190.51	0	90	0%
LF	160671.0	0.0	0	0	0	0	73.0	1718	2461	0	4179	4179.19	0	780	0%
>>> A10 <<<				SUV	2011	FORD		MILEAGE BASE	SIZE: MEDIUM	FUEL: UNLEADED					
PD	7804.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	7804.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	18888.0	0.0	0	0	0	0	21.0	456	539	0	994	994.20	0	780	0%
>>> A18 <<<				CAR	2006	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	3491.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	3491.0	0.0	0	0	0	0	2.5	60	19	0	80	79.55	0	90	0%
LF	55156.0	0.0	0	0	0	0	86.0	1969	1320	0	3290	3289.68	0	780	0%
>>> A2 <<<				SUV	2009	FORD		MILEAGE BASE	SIZE: MEDIUM	FUEL: UNLEADED					
PD	22280.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	22280.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	82033.0	0.0	0	0	0	0	89.0	1969	1998	0	3967	3967.17	0	780	0%
>>> A20 <<<				SUV	2008	FORD		MILEAGE BASE	SIZE: MEDIUM	FUEL: UNLEADED					
PD	13228.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	13228.0	0.0	0	0	0	0	4.0	117	35	0	153	152.55	0	90	0%
LF	49790.0	0.0	0	0	0	0	155.0	3582	3564	0	7146	7146.13	0	780	0%
>>> A3 <<<				CAR	2011	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	6741.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	6741.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	37374.0	0.0	0	0	0	0	21.5	475	702	0	1177	1177.27	0	780	0%
>>> A4 <<<				CAR	2005	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	64336.0	0.0	0	0	0	0	120.5	2772	3629	0	6400	6400.33	0	780	0%
>>> A6 <<<				CAR HYBRID	2012	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	10606.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	10606.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	15950.0	0.0	0	0	0	0	7.5	193	86	0	279	278.86	0	780	0%
>>> A7 <<<				CAR	2012	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	28405.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	28405.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	46080.0	0.0	0	0	0	0	22.0	529	655	0	1185	1184.87	0	780	0%
>>> A8 <<<				SUV	2001	JEEP		MILEAGE BASE	SIZE: MEDIUM	FUEL: UNLEADED					
PD	31621.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	31621.0	0.0	0	0	0	0	1.0	37	0	0	37	37.43	0	90	0%
LF	117899.0	0.0	0	0	0	0	360.5	8507	7586	0	16093	16093.09	0	780	0%
>>> A9 <<<				HYBRID	2012	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	14211.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	14211.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	21361.0	0.0	0	0	0	0	19.5	411	440	0	851	851.06	0	780	0%

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VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> ATV1	<<<			BOMBARDIER ATV	2004	BOMBARDIER		HOURLY	BASE	SIZE: HEAVY	FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	4737.0	0.0	0	0	0	0	10.5	242	193	0	435	435.48	0	780	0%
>>> ATV2	<<<			BOMBARDIER ATV	2006	OUTLANDER		HOURLY	BASE	SIZE: HEAVY	FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	385.0	0.0	0	0	0	0	8.0	196	190	0	386	385.88	0	780	0%
>>> ATVT1	<<<			TRAILER	1900	WORKSPORT6X12		MILEAGE	BASE	SIZE: TRAILE	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	7.5	192	29	0	221	221.34	0	780	0%
>>> ATVT2	<<<			TRAILER	1900	OPEN		MILEAGE	BASE	SIZE: TRAILE	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	780	0%
>>> BE1	<<<			DEFAULT	1900	BLUEBIRD		MILEAGE	BASE	SIZE:	FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	25.0	579	413	0	992	991.59	0	780	0%
>>> BF1	<<<			TRAILER	1900			MILEAGE	BASE	SIZE: TRAILE	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	26.5	676	460	0	1136	1135.55	0	780	0%
>>> BOE	<<<			DEFAULT	1900	MISS		MILEAGE	BASE	SIZE:	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	18.0	377	0	0	377	376.87	0	780	0%
>>> BPB2	<<<			BLOWER	2005	STIHL		MILEAGE	BASE	SIZE:	FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	18.0	410	31	0	441	441.08	0	780	0%
>>> BT1	<<<			TRAILER	1900	BOAT TRAILER		MILEAGE	BASE	SIZE: TRAILE	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	20.0	469	22	0	491	491.35	0	780	0%
>>> C1	<<<			SUV	2017	FORD		MILEAGE	BASE	SIZE: HEAVY	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
LF	217.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
>>> C2	<<<			SUV	2011	FORD		MILEAGE	BASE	SIZE: MEDIUM	FUEL: UNLEADED				
PD	8232.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	8232.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	20251.0	0.0	0	0	0	0	27.5	670	885	0	1555	1555.09	0	780	0%

TOWN OF [illegible]TERFORD
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Report by VEHICLE From: First Thru: Last
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VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	+ Parts Cost	+ Outside Repairs	= Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> C3 <<<				SEWER TRUCK	1991	FORD		MILEAGE BASE		SIZE: HEAVY	FUEL: DIESEL				
PD	1021.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1021.0	0.0	0	0	0	0	30.0	880	30	0	910	910.24	0	90	0%
LF	17106.0	0.0	0	0	0	0	321.0	8291	4177	0	12469	12468.97	0	780	0%
>>> C4 <<<				SEWER TRUCK	2012	INTERNATIONAL		MILEAGE BASE		SIZE: HEAVY	FUEL: DIESEL				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	16221.0	0.0	0	0	0	0	58.5	1513	1211	0	2724	2724.30	0	780	0%
>>> CAR1 <<<				CRUISER	2014	CHEVY		MILEAGE BASE		SIZE: LIGHT	FUEL: UNLEADED				
PD	79013.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	79013.0	0.0	0	0	0	0	7.5	181	1032	0	1213	1212.61	0	90	0%
LF	79023.0	0.0	0	0	0	0	120.0	2751	6397	0	9148	9147.97	0	780	0%
>>> CAR10 <<<				SUV	2016	FORD		MILEAGE BASE		SIZE: LIGHT	FUEL: NONE				
PD	33288.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	33288.0	0.0	0	0	0	0	6.5	183	179	0	362	362.34	0	90	0%
LF	33344.0	0.0	0	0	0	0	39.5	990	1533	0	2523	2522.98	0	420	0%
>>> CAR100 <<<				DEFAULT	1900	HUMMER		MILEAGE BASE		SIZE:	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	12609.0	0.0	0	0	0	0	18.0	423	517	0	940	939.66	0	780	0%
>>> CAR101 <<<				SUV	2000	HUMMER		MILEAGE BASE		SIZE: HEAVY	FUEL: NONE				
PD	8165.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	8165.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	8165.0	0.0	0	0	0	0	27.0	770	418	0	1188	1187.98	0	480	0%
>>> CAR11 <<<				CRUISER	2016	FORD		MILEAGE BASE		SIZE: HEAVY	FUEL: NONE				
PD	30442.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	30442.0	0.0	0	0	0	0	5.0	121	76	0	196	196.12	0	90	0%
LF	30442.0	0.0	0	0	0	0	29.5	697	1735	0	2433	2432.56	0	390	0%
>>> CAR12 <<<				CRUISER	2014	CHEVY		MILEAGE BASE		SIZE: LIGHT	FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	64299.0	0.0	0	0	0	0	9.0	217	518	0	735	735.09	0	90	0%
LF	69353.0	0.0	0	0	0	0	71.5	1636	4290	0	5927	5926.66	0	780	0%
>>> CAR13 <<<				SUV	2016	FORD		MILEAGE BASE		SIZE: HEAVY	FUEL: NONE				
PD	34107.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	34107.0	0.0	0	0	0	0	3.5	84	204	0	288	287.97	0	90	0%
LF	34107.0	0.0	0	0	0	0	30.0	732	1835	0	2566	2566.24	0	420	0%
>>> CAR14 <<<				DEFAULT	2014	CHEVY		MILEAGE BASE		SIZE: HEAVY	FUEL: NONE				
PD	38697.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	38697.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	39697.0	0.0	0	0	0	0	33.5	761	1733	0	2494	2494.06	0	780	0%
>>> CAR15 <<<				PICKUP	2016	CHEVY		MILEAGE BASE		SIZE: LIGHT	FUEL: NONE				
PD	3453.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	3453.0	0.0	0	0	0	0	2.5	60	21	0	81	81.40	0	90	0%
LF	3453.0	0.0	0	0	0	0	4.0	96	21	0	118	117.58	0	120	0%

TOWN OF WATERFORD
PERIOD AND LIFETIME DATA

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VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> CAR16 <<<				SUV	2015	FORD		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	65638.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	65638.0	0.0	0	0	0	0	7.5	202	63	0	265	265.03	0	90	0%
LF	65658.0	0.0	0	0	0	0	121.6	3167	3643	0	6810	6810.24	0	780	0%
>>> CAR17 <<<				CRUISER	1981	CHEVY		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	102467.0	0.0	0	0	0	0	18.5	404	209	0	613	613.29	0	780	0%
>>> CAR18 <<<				TRUCK	2008	CHEVY		MILEAGE BASE	SIZE: MEDIUM	FUEL: UNLEADED					
PD	51864.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	51864.0	0.0	0	0	0	0	39.0	1167	541	0	1708	1708.10	0	90	0%
LF	156340.0	0.0	0	0	0	0	198.0	5009	7661	0	12670	12669.94	0	780	0%
>>> CAR19 <<<				SUV	2016	FORD		MILEAGE BASE	SIZE: MEDIUM	FUEL: NONE					
PD	40035.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	40035.0	0.0	0	0	0	0	6.0	145	210	0	355	354.59	0	90	0%
LF	40055.0	0.0	0	0	0	0	54.5	1301	2047	0	3348	3347.82	0	420	0%
>>> CAR2 <<<				CRUISER	2011	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	38801.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	38801.0	0.0	0	0	0	0	0.5	12	2	0	14	14.05	0	90	0%
LF	76067.0	0.0	0	0	0	0	62.0	1437	2293	0	3730	3730.10	0	780	0%
>>> CAR20 <<<				SUV	2016	FORD		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	21506.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	21506.0	0.0	0	0	0	0	2.5	60	58	0	118	118.03	0	90	0%
LF	21506.0	0.0	0	0	0	0	9.0	213	151	0	364	363.78	0	510	0%
>>> CAR21 <<<				SUV	2011	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: NONE					
PD	85550.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	85550.0	0.0	0	0	0	0	10.0	241	1090	0	1331	1330.94	0	90	0%
LF	85550.0	0.0	0	0	0	0	28.5	687	1517	0	2204	2204.01	0	780	0%
>>> CAR22 <<<				SUV	2014	FORD		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	77962.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	77962.0	0.0	0	0	0	0	8.5	205	369	0	574	574.15	0	90	0%
LF	85550.0	0.0	0	0	0	0	107.5	2487	3594	0	6081	6080.59	0	780	0%
>>> CAR24 <<<				DETECTIVE	2011	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	49956.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	49956.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	77900.0	0.0	0	0	0	0	49.0	1100	2030	0	3130	3129.72	0	780	0%
>>> CAR25 <<<				DEFAULT	2014	FORD		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	67084.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	67084.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	67084.0	0.0	0	0	0	0	18.5	476	745	0	1220	1220.07	0	780	0%
>>> CAR26 <<<				SUV	2014	FORD		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	36576.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	36576.0	0.0	0	0	0	0	2.5	60	60	0	121	120.68	0	90	0%
LF	36576.0	0.0	0	0	0	0	12.5	297	221	0	519	518.62	0	780	0%

TOWN OF [illegible]TERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL

VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> CAR28 <<<				DETECTIVE	2015	FORD		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	24203.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	24203.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	24203.0	0.0	0	0	0	0	19.0	465	461	0	926	925.96	0	780	0%
>>> CAR29 <<<				CRUISER	2014	CHEVY		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	37614.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	37614.0	0.0	0	0	0	0	5.0	121	913	0	1033	1033.42	0	90	0%
LF	42157.0	0.0	0	0	0	0	23.0	526	1428	0	1954	1954.32	0	780	0%
>>> CAR3 <<<				CRUISER	2011	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	35985.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	35985.0	0.0	0	0	0	0	3.0	112	16	0	128	128.22	0	90	0%
LF	103700.0	0.0	0	0	0	0	105.9	2329	4920	0	7250	7249.59	0	780	0%
>>> CAR31 <<<				CRUISER	2016	FORD		MILEAGE BASE	SIZE: MEDIUM	FUEL: NONE					
PD	22105.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	22105.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	22105.0	0.0	0	0	0	0	14.5	373	251	0	624	623.83	0	510	0%
>>> CAR32 <<<				CAR	2010	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	22939.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	22939.0	0.0	0	0	0	0	4.5	109	317	0	426	425.79	0	90	0%
LF	78102.0	0.0	0	0	0	0	52.0	1210	1797	0	3007	3007.07	0	780	0%
>>> CAR4 <<<				CRUISER	2016	FORD		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	19630.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	19630.0	0.0	0	0	0	0	2.5	60	58	0	119	118.71	0	90	0%
LF	19630.0	0.0	0	0	0	0	13.0	310	628	0	938	937.74	0	390	0%
>>> CAR5 <<<				SUV	2016	FORD		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	38096.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	38096.0	0.0	0	0	0	0	4.0	96	180	0	276	276.15	0	90	0%
LF	38096.0	0.0	0	0	0	0	34.0	831	1203	0	2034	2033.93	0	480	0%
>>> CAR6 <<<				CRUISER	2015	CHEVY		MILEAGE BASE	SIZE: LIGHT	FUEL: NONE					
PD	61165.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	61165.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	61165.0	0.0	0	0	0	0	91.0	2098	3099	0	5196	5196.31	0	780	0%
>>> CAR7 <<<				SUV	2016	FORD		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	20265.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	20265.0	0.0	0	0	0	0	2.5	60	67	0	127	126.92	0	90	0%
LF	20265.0	0.0	0	0	0	0	36.0	852	733	0	1584	1584.50	0	450	0%
>>> CAR8 <<<				SUV	2016	FORD		MILEAGE BASE	SIZE: LIGHT	FUEL: UNLEADED					
PD	30771.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	30771.0	0.0	0	0	0	0	3.5	84	195	0	280	279.66	0	90	0%
LF	30791.0	0.0	0	0	0	0	28.5	730	1204	0	1934	1934.46	0	420	0%
>>> CAR9 <<<				DEFAULT	2014	CHEVY		MILEAGE BASE	SIZE: LIGHT	FUEL: NONE					
PD	62895.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	62895.0	0.0	0	0	0	0	5.5	146	599	0	745	744.91	0	90	0%
LF	79451.0	0.0	0	0	0	0	113.5	2559	5840	0	8398	8398.29	0	780	0%

TOWN OF WATERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL
VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost	Outside + Repairs	Total = Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> CP1 <<<				CRUISER	1998	FORD		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	216.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	216.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	50987.0	0.0	0	0	0	0	19.5	545	386	0	931	931.24	0	780	0%
>>> DR1 <<<				MOWER	2017	DR Field and Br		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
LF	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
>>> DUMPSTER <<<				DUMPSTERS	1900	ALL		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	291.0	6260	12122	0	18382	18382.27	0	780	0%
>>> EG3500 <<<				GENERATOR	2007	HONDA		MILEAGE BASE	SIZE:		FUEL: UNLEADED				
PD	162551.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	162551.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	162551.0	0.0	0	0	0	0	7.0	158	51	0	209	208.79	0	780	0%
>>> FIREDEPT <<<				DEFAULT	2015	MISCELLANEOUS		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	3.0	89	42	0	131	130.80	0	780	0%
>>> G1 <<<				GENERATOR	2000	ENERGY DYNAMICS		HOURLY BASE	SIZE:		FUEL: DIESEL				
PD	178.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	178.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	699.0	0.0	0	0	0	0	18.5	501	501	0	1002	1002.07	0	780	0%
>>> GAS PUMP <<<				DEFAULT	2000			MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	1.5	36	0	0	36	36.18	0	90	0%
LF	0.0	0.0	0	0	0	0	92.5	2979	27	0	3006	3006.03	0	780	0%
>>> GO CART <<<				CAR	1900			MILEAGE BASE	SIZE: LIGHT		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	1.0	20	0	0	20	20.00	0	780	0%
>>> H1 <<<				DEFAULT	1967	HYSTER		HOURLY BASE	SIZE:		FUEL: PROPANE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	136377.0	0.0	0	0	0	0	21.0	597	250	0	846	846.22	0	780	0%
>>> H11 <<<				PICKUP	2012	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	46308.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	46308.0	0.0	0	0	0	0	6.0	176	28	0	204	204.06	0	90	0%
LF	87448.0	0.0	0	0	0	0	173.0	4610	4393	0	9004	9003.82	0	780	0%
>>> H12 <<<				PICKUP	2003	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	7195.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	7195.0	0.0	0	0	0	0	2.0	68	52	0	120	120.06	0	90	0%
LF	46592.0	0.0	0	0	0	0	210.5	5236	2936	0	8172	8171.69	0	780	0%

TOWN OF [illegible]TERFORD
PERIOD AND LIFETIME DATA

DATE: 0[illegible]/2017
TIME: 12.[illegible]3 a.m.
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Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL
VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> H12IR <<<				DEFAULT	2003	IR		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	780	0%
>>> H12W <<<				WELDER	1978	MILLER		MILEAGE BASE	SIZE:		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	6.0	141	66	0	207	207.10	0	780	0%
>>> H13 <<<				PICKUP	2014	CHEVY		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	25425.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	25425.0	0.0	0	0	0	0	3.0	72	0	0	72	72.36	0	90	0%
LF	28607.0	0.0	0	0	0	0	110.5	2978	2476	0	5454	5453.96	0	780	0%
>>> H14 <<<				MEDIUM DUMP	2015	INTERNATIONAL		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	13956.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	13956.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	15779.0	0.0	0	0	0	0	166.0	4900	3683	0	8582	8582.29	0	780	0%
>>> H147 <<<				TRAILER	1991	ROSCO		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	2.0	0.0	0	0	0	0	43.5	1098	351	0	1449	1448.53	0	780	0%
>>> H15 <<<				MEDIUM DUMP	2015	INTERNATIONAL		MILEAGE BASE	SIZE: MEDIUM		FUEL: DIESEL				
PD	15007.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	15007.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	15890.0	0.0	0	0	0	0	142.0	4071	2643	0	6714	6713.84	0	780	0%
>>> H16 <<<				MEDIUM DUMP	2018	FREIGHTLINER		MILEAGE BASE	SIZE: MEDIUM		FUEL: NONE				
PD	88154.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	88154.0	0.0	0	0	0	0	1.0	37	0	0	37	37.43	0	90	0%
LF	88257.0	0.0	0	0	0	0	52.0	1593	271	0	1864	1864.27	0	150	0%
>>> H17 <<<				MEDIUM DUMP	2018	FREIGHTLINER		MILEAGE BASE	SIZE: MEDIUM		FUEL: NONE				
PD	655.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	655.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	755.0	0.0	0	0	0	0	27.0	797	528	0	1324	1324.27	0	150	0%
>>> H171 <<<				CAR	2011	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	45085.0	0.0	0	0	0	0	454.5	10539	11272	0	21811	21810.64	0	780	0%
>>> H18 <<<				MEDIUM DUMP	2009	INTERNATIONAL		MILEAGE BASE	SIZE: MEDIUM		FUEL: DIESEL				
PD	9084.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	9084.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	45221.0	0.0	0	0	0	0	444.7	13206	17403	0	30609	30609.26	0	780	0%
>>> H19 <<<				PICKUP	2005	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	24132.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	24132.0	0.0	0	0	0	0	1.5	36	4	0	40	40.41	0	90	0%
LF	156650.0	0.0	0	0	0	0	298.5	6761	8112	0	14873	14872.99	0	780	0%

TOWN OF WATERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE **From: First Thru: Last**
Facility > 00001 **Current Department > *ALL**
VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> H24	<<<			SWEEPER	2002	ELGIN		MILEAGE BASE	SIZE: HEAVY	FUEL: DIESEL					
PD	6893.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	6893.0	0.0	0	0	0	0	0.0	0	183	0	183	182.54	0	90	0%
LF	19433.0	0.0	0	0	0	0	969.5	23823	40639	0	64461	64461.36	0	780	0%
>>> H25	<<<			SWEEPER	2018	FREIGHTLINER		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	2439.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	2439.0	0.0	0	0	0	0	19.0	571	329	0	899	899.25	0	90	0%
LF	2614.0	0.0	0	0	0	0	55.5	1701	1379	0	3080	3080.17	0	180	0%
>>> H26	<<<			MOWER	1959	FERGUSON 35		HOURLY BASE	SIZE:	FUEL: UNLEADED					
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	4929.0	0.0	0	0	0	0	53.5	921	1132	0	2053	2052.51	0	780	0%
>>> H27	<<<			TRACTOR	2008	JohnDeere		HOURLY BASE	SIZE: MEDIUM	FUEL: DIESEL					
PD	1543.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1543.0	0.0	0	0	0	0	33.5	967	507	0	1473	1473.12	0	90	0%
LF	3927.0	0.0	0	0	0	0	495.0	13279	18991	0	32270	32269.51	0	780	0%
>>> H30	<<<			5-TON DUMP	2018	FREIGHTLINER		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	2728.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	2728.0	0.0	0	0	0	0	1.0	34	0	0	34	33.95	0	90	0%
LF	2881.0	0.0	0	0	0	0	31.0	1052	549	0	1601	1601.05	0	120	0%
>>> H31	<<<			5-TON DUMP	2017	FREIGHTLINER		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	4409.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	4409.0	0.0	0	0	0	0	4.0	117	17	0	134	134.10	0	90	0%
LF	5306.0	0.0	0	0	0	0	67.5	2072	924	0	2996	2995.88	0	390	0%
>>> H32	<<<			5-TON DUMP	2017	FREIGHTLINER		MILEAGE BASE	SIZE: HEAVY	FUEL: NONE					
PD	2114.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	2114.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	3006.0	0.0	0	0	0	0	56.5	1736	2921	0	4657	4656.71	0	390	0%
>>> H33	<<<			DEFAULT	2004	CARLTON		HOURLY BASE	SIZE:	FUEL: DIESEL					
PD	10.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	10.0	0.0	0	0	0	0	8.0	235	32	0	267	266.67	0	90	0%
LF	175.0	0.0	0	0	0	0	127.0	3069	1837	0	4906	4906.27	0	780	0%
>>> H34	<<<			5-TON DUMP	2004	STERLING		MILEAGE BASE	SIZE: HEAVY	FUEL: DIESEL					
PD	4048.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	4048.0	0.0	0	0	0	0	6.0	176	60	0	236	235.98	0	90	0%
LF	36336.0	0.0	0	0	0	0	595.2	15573	27109	0	42683	42682.57	0	780	0%
>>> H35	<<<			5-TON DUMP	2012	INTERNATIONAL		MILEAGE BASE	SIZE: HEAVY	FUEL: DIESEL					
PD	14276.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	14276.0	0.0	0	0	0	0	2.0	48	0	0	48	48.24	0	90	0%
LF	26950.0	0.0	0	0	0	0	422.1	11916	13824	0	25739	25739.36	0	780	0%
>>> H36	<<<			5-TON DUMP	2014	INTERNATIONAL		MILEAGE BASE	SIZE: HEAVY	FUEL: DIESEL					
PD	9827.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	9827.0	0.0	0	0	0	0	17.0	549	159	0	708	708.10	0	90	0%
LF	19206.0	0.0	0	0	0	0	173.5	4892	8228	0	13120	13120.45	0	780	0%

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VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> H37 <<<				5-TON DUMP	2013	INTERNATIONAL		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	18309.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	18309.0	0.0	0	0	0	0	8.0	272	32	0	304	303.59	0	90	0%
LF	18309.0	0.0	0	0	0	0	120.5	3611	4360	0	7971	7971.16	0	780	0%
>>> H38 <<<				5-TON DUMP	2013	INTERNATIONAL		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	19193.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	19193.0	0.0	0	0	0	0	7.0	215	99	0	313	313.39	0	90	0%
LF	19193.0	0.0	0	0	0	0	162.0	4862	3485	0	8347	8346.59	0	780	0%
>>> H39 <<<				5-TON DUMP	2009	International		MILEAGE BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	1850.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1850.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	46693.0	0.0	0	0	0	0	550.7	15107	23908	0	39015	39014.91	0	780	0%
>>> H40 <<<				5-TON DUMP	2003	STERLING		MILEAGE BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	3728.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	3728.0	0.0	0	0	0	0	13.0	381	241	0	623	622.63	0	90	0%
LF	65002.0	0.0	0	0	0	0	926.7	25014	31685	0	56699	56699.20	0	780	0%
>>> H42 <<<				T T HORSE	2010	INTERNATIONAL		MILEAGE BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	41977.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	41977.0	0.0	0	0	0	0	29.0	851	640	0	1491	1490.82	0	90	0%
LF	127890.0	0.0	0	0	0	0	574.0	15287	23566	0	38853	38853.07	0	780	0%
>>> H43DT <<<				DUMP TRAILER	2001	FRUEHAUF		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	35.5	485	970	0	1455	1454.63	0	780	0%
>>> H43RO <<<				ROLLOFF TRAILER	2000	BENLEE		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	4.0	117	0	0	117	117.32	0	90	0%
LF	0.0	0.0	0	0	0	0	258.0	6362	6922	0	13284	13283.76	0	780	0%
>>> H43T <<<				TRAILER	2006	TOWMASTER		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	25.5	666	515	0	1181	1180.77	0	780	0%
>>> H43VS <<<				DEFAULT	1900	HOME MADE		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	36.0	874	573	0	1447	1447.20	0	780	0%
>>> H44 <<<				BRUSH CHIPPER	2005	VERMEER		HOURLY BASE	SIZE:		FUEL: DIESEL				
PD	526.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	526.0	0.0	0	0	0	0	2.0	59	16	0	75	74.66	0	90	0%
LF	1660.0	0.0	0	0	0	0	132.5	3463	1240	0	4703	4703.47	0	780	0%
>>> H45 <<<				BACKHOE	2009	VOLVO		HOURLY BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	13010.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	13010.0	0.0	0	0	0	0	13.0	376	1981	0	2358	2357.50	0	90	0%
LF	14804.0	0.0	0	0	0	0	253.7	6438	12125	0	18563	18562.63	0	780	0%

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Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> H46	<<<			TAMPER	2009	Wacker		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	55378.0	0.0	0	0	0	0	27.0	645	605	0	1250	1250.45	0	780	0%
>>> H47	<<<			TRACTOR	2008	JOHNDEERE		HOURLY BASE	SIZE: MEDIUM		FUEL: DIESEL				
PD	2294.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	2294.0	0.0	0	0	0	0	2.0	59	0	0	59	58.66	0	90	0%
LF	3715.0	0.0	0	0	0	0	189.5	5001	8098	0	13098	13098.19	0	780	0%
>>> H48	<<<			ROLLER	2012	HAMM ROLLER		HOURLY BASE	SIZE:		FUEL: DIESEL				
PD	157.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	157.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	160.0	0.0	0	0	0	0	13.0	386	889	0	1274	1274.44	0	780	0%
>>> H49	<<<			ROLLER	1970	INGRAM		HOURLY BASE	SIZE:		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	1543.0	0.0	0	0	0	0	13.1	371	84	0	455	455.05	0	780	0%
>>> H50	<<<			VACALL	2009	INTERNATIONAL		MILEAGE BASE	SIZE:		FUEL: DIESEL				
PD	1374.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1374.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	5456.0	0.0	0	0	0	0	64.5	1622	1382	0	3005	3004.65	0	780	0%
>>> H50V	<<<			VACALL	2004	VACALL		HOURLY BASE	SIZE:		FUEL: DIESEL				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	1643.0	0.0	0	0	0	0	574.0	15266	9783	0	25050	25049.71	0	780	0%
>>> H51	<<<			BUCKET TRUCK	2010	INTERNATIONAL		MILEAGE BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	12672.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	12672.0	0.0	0	0	0	0	14.0	437	133	0	569	569.34	0	90	0%
LF	22395.0	0.0	0	0	0	0	111.5	2959	3159	0	6118	6118.00	0	780	0%
>>> H52	<<<			AIR COMPRESSOR	2004	INGERSOLL-RAND		HOURLY BASE	SIZE:		FUEL: DIESEL				
PD	26.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	26.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	436.0	0.0	0	0	0	0	57.0	1345	603	0	1948	1947.78	0	780	0%
>>> H53	<<<			BOMBARDIERS	2003	Trackless		HOURLY BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	9961.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	9961.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	11751.0	0.0	0	0	0	0	420.5	10326	6254	0	16580	16580.48	0	780	0%
>>> H53B	<<<			DEFAULT	1900	Trackless		HOURLY BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	1084.0	0.0	0	0	0	0	78.0	2059	3407	0	5466	5465.94	0	780	0%
>>> H53P	<<<			DEFAULT	1900	Trackless		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	9221.0	0.0	0	0	0	0	32.5	762	266	0	1028	1028.22	0	780	0%

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Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> H53S <<<				DEFAULT	2003	SWEEPSTER		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	8045.0	0.0	0	0	0	0	49.5	1415	2046	0	3460	3460.05	0	780	0%
>>> H53W <<<				DEFAULT	2003	WATER TANK		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	26.0	733	96	0	829	829.18	0	780	0%
>>> H54 <<<				LOADER	2015	WACKER		HOURLY BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	1234.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1234.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	1238.0	0.0	0	0	0	0	100.8	2697	1995	0	4692	4692.43	0	660	0%
>>> H55 <<<				BRUSH CHIPPER	2017	VERMEER		HOURLY BASE	SIZE: MEDIUM		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
LF	2.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
>>> H56 <<<				PAVING MACHINE	1977	LAYTON		MILEAGE BASE	SIZE: HEAVY		FUEL: PROPANE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	11519.0	0.0	0	0	0	0	115.0	2224	4374	0	6599	6598.90	0	780	0%
>>> H57 <<<				TAMPER	1900	WACKER		MILEAGE BASE	SIZE:		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	59.0	1432	747	0	2178	2178.17	0	780	0%
>>> H58 <<<				AIR COMPRESSOR	2008	INGERSOLL RAND		HOURLY BASE	SIZE:		FUEL: DIESEL				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	663.0	0.0	0	0	0	0	28.5	675	282	0	957	957.49	0	780	0%
>>> H6 <<<				PICKUP	2007	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	27383.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	27383.0	0.0	0	0	0	0	20.0	587	892	0	1478	1478.11	0	90	0%
LF	124550.0	0.0	0	0	0	0	301.7	7496	9820	0	17316	17315.68	0	780	0%
>>> H61 <<<				CURBING MACHINE	2014	SALSCO COBRA		HOURLY BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	160.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	160.0	0.0	0	0	0	0	1.0	29	37	0	66	66.49	0	90	0%
LF	160.0	0.0	0	0	0	0	22.5	605	96	0	701	700.99	0	690	0%
>>> H62 <<<				SPRAYER	1900			MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	12.5	203	651	0	854	853.93	0	780	0%
>>> H63 <<<				TAMPER	2005	MIKASA		HOURLY BASE	SIZE:		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	5.0	147	371	0	518	517.92	0	90	0%
LF	2712.0	0.0	0	0	0	0	53.0	1266	942	0	2208	2208.27	0	780	0%

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Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost	Outside + Repairs	Total = Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> H64	<<<			LOADER	2017	VOLVO		HOURLY	BASE	SIZE: HEAVY	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	32.0	939	9	0	947	947.31	0	60	0%
LF	5.0	0.0	0	0	0	0	32.0	939	9	0	947	947.31	0	60	0%
>>> H65	<<<			LOADER	2004	VOLVO		HOURLY	BASE	SIZE: MEDIUM	FUEL: DIESEL				
PD	99.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	99.0	0.0	0	0	0	0	16.0	469	1091	0	1560	1560.16	0	90	0%
LF	8571.0	0.0	0	0	0	0	304.5	7679	17000	0	24679	24679.44	0	780	0%
>>> H66	<<<			PUMP	1980	FORD		MILEAGE	BASE	SIZE:	FUEL: DIESEL				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	8651.0	0.0	0	0	0	0	17.5	423	670	0	1093	1092.62	0	780	0%
>>> H67	<<<			PUMP	1984	HOMELITE DP3		MILEAGE	BASE	SIZE:	FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	2.0	46	34	0	80	80.02	0	780	0%
>>> H77	<<<			TRAILER	2013	BIG TEX		MILEAGE	BASE	SIZE: TRAILE	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	86.0	2416	981	0	3398	3397.56	0	780	0%
>>> H9	<<<			STAKE BODY	2011	INTERNATIONAL		MILEAGE	BASE	SIZE:	FUEL: DIESEL				
PD	27980.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	27980.0	0.0	0	0	0	0	14.0	411	524	0	934	934.31	0	90	0%
LF	49677.0	0.0	0	0	0	0	170.7	4664	3309	0	7973	7972.88	0	780	0%
>>> H9C	<<<			AIR COMPRESSOR	1900	AIR		MILEAGE	BASE	SIZE:	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	14.5	327	119	0	446	445.91	0	780	0%
>>> H9P	<<<			SPRAYER	1900	GRACO		MILEAGE	BASE	SIZE:	FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	18.0	398	750	0	1148	1148.15	0	780	0%
>>> HCS	<<<			DEFAULT	1900	STIHL		MILEAGE	BASE	SIZE:	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	127200.0	0.0	0	0	0	0	27.5	628	177	0	806	805.69	0	780	0%
>>> HONDA	<<<			UNDERCOVER	2002	HONDA		MILEAGE	BASE	SIZE: LIGHT	FUEL: NONE				
PD	172631.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	172631.0	0.0	0	0	0	0	17.0	410	642	0	1052	1051.80	0	90	0%
LF	172631.0	0.0	0	0	0	0	46.5	1172	1072	0	2244	2244.37	0	780	0%
>>> HWY	<<<			DEFAULT	1900			MILEAGE	BASE	SIZE:	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	9.5	278	24	0	302	302.29	0	90	0%
LF	0.0	0.0	0	0	0	0	218.7	5593	1265	0	6859	6858.60	0	780	0%

TOWN OF [illegible]TERFORD
PERIOD AND LIFETIME DATA

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Report by VEHICLE From: First Thru: Last
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VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> L1 <<<				DEFAULT	1900	BLACKHAWK		MILEAGE BASE	SIZE:		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	38.0	900	575	0	1474	1474.41	0	780	0%
>>> LEC <<<				PICKUP	2014	FORD		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	2998.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	2998.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	2998.0	0.0	0	0	0	0	6.5	168	43	0	211	210.71	0	780	0%
>>> MISC <<<				DEFAULT	1900			HOURLY BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	1.0	24	16	0	40	40.42	0	90	0%
LF	1.0	0.0	0	0	0	0	1509.0	40482	27231	0	67713	67712.74	0	780	0%
>>> MIXER <<<				DEFAULT	1900	MELLER		HOURLY BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	1000000.0	0.0	0	0	0	0	10.0	202	17	0	219	219.06	0	780	0%
>>> MULE <<<				ATV	2007	KAWASAKI		HOURLY BASE	SIZE: HEAVY		FUEL: NONE				
PD	1.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	348.0	0.0	0	0	0	0	7.5	202	15	0	217	216.57	0	270	0%
>>> OLDA18 <<<				CAR	2003	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	10874.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	10874.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	118874.0	0.0	0	0	0	0	359.0	7489	11348	0	18837	18837.35	0	780	0%
>>> OLDA20 <<<				SUV	2005	FORD		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	144741.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	240	0%
>>> OLDA4 <<<				CAR	2003	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	110473.0	0.0	0	0	0	0	140.5	3032	3214	0	6246	6245.77	0	780	0%
>>> OLDC1 <<<				SUV	2000	FORD		MILEAGE BASE	SIZE: MEDIUM		FUEL: UNLEADED				
PD	29997.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	29997.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	104716.0	0.0	0	0	0	0	143.1	3130	2584	0	5714	5714.15	0	780	0%
>>> OLDCAR23 <<<				CAR	2011	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	30008.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	30008.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	71489.0	0.0	0	0	0	0	36.0	756	1727	0	2483	2482.67	0	780	0%
>>> OLDH16 <<<				DEFAULT	2002	INTERNATIONAL		MILEAGE BASE	SIZE: MEDIUM		FUEL: DIESEL				
PD	12277.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	12277.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	88003.0	0.0	0	0	0	0	1222.5	31767	44443	0	76210	76209.88	0	780	0%

TOWN OF WATERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL
VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost	Outside + Repairs	Total = Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> OLDH17 <<<				DEFAULT	2003	STERLING		MILEAGE BASE	SIZE: MEDIUM	FUEL: DIESEL					
PD	14316.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	14316.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	76488.0	0.0	0	0	0	0	450.8	13019	11652	0	24671	24671.13	0	780	0%
>>> OLDH25 <<<				SWEEPER	1994	ELGIN		HOURLY BASE	SIZE: HEAVY	FUEL: DIESEL					
PD	13738.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	13738.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	19947.0	0.0	0	0	0	0	1801.4	39733	63397	0	103130	103129.65	0	780	0%
>>> OLDH30 <<<				5-TON DUMP	2000	FREIGHTLINER		MILEAGE BASE	SIZE: HEAVY	FUEL: DIESEL					
PD	10565.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	10565.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	89683.0	0.0	0	0	0	0	1483.8	37990	47548	0	85538	85538.10	0	780	0%
>>> OLDH54 <<<				BOMBARDIERS	1986	BOMBARDIER		HOURLY BASE	SIZE: HEAVY	FUEL: UNLEADED					
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	1075.0	0.0	0	0	0	0	585.6	13964	24254	0	38217	38217.28	0	780	0%
>>> OLDH55 <<<				BRUSH CHIPPER	1998	VERMEER		HOURLY BASE	SIZE:	FUEL: DIESEL					
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	916.0	0.0	0	0	0	0	258.0	5941	5162	0	11103	11103.36	0	780	0%
>>> OLDH64 <<<				LOADER	1997	VOLVO		HOURLY BASE	SIZE: MEDIUM	FUEL: DIESEL					
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1136.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	9436.0	0.0	0	0	0	0	497.0	11767	20629	0	32396	32396.08	0	780	0%
>>> OLDP174 <<<				SAND SPREADER	2005	TORO		HOURLY BASE	SIZE:	FUEL: UNLEADED					
PD	137.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	137.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	1005.0	0.0	0	0	0	0	54.0	1305	752	0	2057	2057.12	0	780	0%
>>> P1 <<<				SPRAYER	2009	CUB CADET		MILEAGE BASE	SIZE:	FUEL: UNLEADED					
PD	4142.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	4142.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	4142.0	0.0	0	0	0	0	49.5	1395	1766	0	3160	3160.45	0	780	0%
>>> P12 <<<				TRAILER	1900	recycleing		MILEAGE BASE	SIZE: TRAILE	FUEL: NONE					
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	7574.0	0.0	0	0	0	0	29.5	591	24	0	614	614.44	0	780	0%
>>> P2 <<<				DEFAULT	1990	ROTO-HOE		MILEAGE BASE	SIZE:	FUEL: UNLEADED					
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	12.0	289	279	0	568	567.77	0	780	0%
>>> P48 <<<				GIANT VAC	2008	GIANT VAC.		MILEAGE BASE	SIZE: HEAVY	FUEL: UNLEADED					
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	61.0	1548	496	0	2044	2043.98	0	780	0%

TOWN OF \ TERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL
VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> P50	<<<			TRACTOR	1980	JOHN DEERE		HOURLY	BASE	SIZE: MEDIUM	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	4400.0	0.0	0	0	0	0	158.0	2584	4811	0	7395	7395.44	0	780	0%
>>> P51	<<<			LOADER	2004	JOHN DEERE		HOURLY	BASE	SIZE: MEDIUM	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	2305.0	0.0	0	0	0	0	170.5	4379	3143	0	7522	7522.50	0	780	0%
>>> P53	<<<			MOWER	2016	TORO		MILEAGE	BASE	SIZE: HEAVY	FUEL: NONE				
PD	214.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	214.0	0.0	0	0	0	0	12.0	352	287	0	639	639.35	0	90	0%
LF	214.0	0.0	0	0	0	0	16.0	448	417	0	865	865.33	0	300	0%
>>> P54	<<<			MOWER	2016	TORO		MILEAGE	BASE	SIZE: HEAVY	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	19.0	557	432	0	989	988.86	0	300	0%
>>> P55	<<<			MOWER	2016	TORO		MILEAGE	BASE	SIZE: HEAVY	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	9.0	272	358	0	630	630.39	0	90	0%
LF	0.0	0.0	0	0	0	0	9.0	272	488	0	760	759.89	0	300	0%
>>> P57	<<<			TRACTOR	1961	FARMALL		MILEAGE	BASE	SIZE: MEDIUM	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	224.5	3073	2590	0	5663	5663.18	0	780	0%
>>> P58	<<<			DEFAULT	1997	TORO WALK BEHIN		MILEAGE	BASE	SIZE:	FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	38.5	878	537	0	1415	1415.14	0	780	0%
>>> P60	<<<			MOWER	2014	TORO		HOURLY	BASE	SIZE:	FUEL: DIESEL				
PD	861.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	861.0	0.0	0	0	0	0	1.0	37	188	0	225	224.96	0	90	0%
LF	918.0	0.0	0	0	0	0	71.5	1932	1257	0	3188	3188.44	0	780	0%
>>> P61	<<<			TRACTOR	2014	KUBOTA		HOURLY	BASE	SIZE: MEDIUM	FUEL: NONE				
PD	759.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	759.0	0.0	0	0	0	0	1.0	29	0	0	29	29.33	0	90	0%
LF	984.0	0.0	0	0	0	0	68.0	1884	1178	0	3061	3061.46	0	780	0%
>>> P62	<<<			MOWER	2012	TORO		HOURLY	BASE	SIZE:	FUEL: DIESEL				
PD	1118.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1118.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	1126.0	0.0	0	0	0	0	28.5	661	880	0	1541	1540.77	0	780	0%
>>> P63	<<<			MOWER	2012	TORO 360		HOURLY	BASE	SIZE:	FUEL: DIESEL				
PD	1326.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1326.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	1826.0	0.0	0	0	0	0	165.0	4589	3299	0	7888	7887.51	0	780	0%

TOWN OF WATERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL

VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	DAYS Used	DAYS Posb	DAYS Pct
>>> P65	<<<			DEFAULT	1989	LEAFVAC		MILEAGE BASE	SIZE:		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	2.0	59	127	0	186	185.73	0	90	0%
LF	0.0	0.0	0	0	0	0	24.0	559	358	0	917	917.40	0	780	0%
>>> P70	<<<			DEFAULT	1996	ARIENS		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	19.5	465	25	0	490	490.48	0	780	0%
>>> P71	<<<			DEFAULT	1988	GIANT VAC		MILEAGE BASE	SIZE:		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	61.0	1353	1002	0	2355	2355.17	0	780	0%
>>> P74	<<<			SAND SPREADER	2016	TORO		HOURLY BASE	SIZE: LIGHT		FUEL: NONE				
PD	125.4	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	125.4	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	126.0	0.0	0	0	0	0	13.5	361	962	0	1323	1323.26	0	450	0%
>>> P75	<<<			SOD MASTER	1980	TURFCO		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	38.0	345	1054	0	1398	1398.46	0	780	0%
>>> P76	<<<			DEFAULT	1980	HUSS		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	5.0	5	137	0	142	142.46	0	780	0%
>>> P84	<<<			BRUSH CHIPPER	1997	VALBY CHIPPER		MILEAGE BASE	SIZE: LIGHT		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	1.0	27	767	0	794	794.39	0	510	0%
>>> P85	<<<			DEFAULT	1900	COLEMAN		MILEAGE BASE	SIZE:		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	30044.0	0.0	0	0	0	0	3.0	59	15	0	74	74.24	0	780	0%
>>> P90	<<<			TRAILER	2008	CARRY-ON TRAILE		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	8.0	253	212	0	465	464.71	0	90	0%
LF	0.0	0.0	0	0	0	0	34.0	859	497	0	1356	1355.67	0	780	0%
>>> P91	<<<			TRAILER	1984	HUDSON		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	99	0	99	99.00	0	90	0%
LF	0.0	0.0	0	0	0	0	85.5	2183	1172	0	3355	3355.01	0	780	0%
>>> P92	<<<			TRAILER	1996	CROSS COUN		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	3.0	88	114	0	202	201.97	0	90	0%
LF	0.0	0.0	0	0	0	0	103.5	2164	2662	0	4826	4825.95	0	780	0%

TOWN OF WATERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL
VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	+ Parts Cost	+ Outside Repairs	= Total Repr Cst)	TOTAL Veh. Cost	DAYS Used	DAYS Posb	DAYS Pct
>>> P94 <<<				TRAILER	2008	CARRY-ON TRAILE		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	46.0	1065	876	0	1942	1941.56	0	780	0%
>>> P95 <<<				TRAILER	1996	22X84		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	69340.0	0.0	0	0	0	0	75.5	1645	1610	0	3256	3255.94	0	780	0%
>>> PARK&REC <<<				DEFAULT	1900	MISS.		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	5.5	133	10	0	143	142.56	0	90	0%
LF	0.0	0.0	0	0	0	0	70.5	1616	239	0	1856	1855.91	0	780	0%
>>> PC1 <<<				PAVEMENT CUTTER	1900	SAWTEC		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	27.0	650	69	0	719	719.36	0	780	0%
>>> PC2 <<<				DEFAULT	1900	UNITEC		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	36.0	799	214	0	1013	1012.96	0	780	0%
>>> PC3 <<<				PAVEMENT CUTTER	2010	EDCO		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	14.0	375	155	0	530	529.96	0	780	0%
>>> PC4 <<<				PAVEMENT CUTTER	1900	HUSQVARNA		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	9.5	213	50	0	264	263.50	0	780	0%
>>> PD <<<				TRAILER	1900	COX		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	36186.0	0.0	0	0	0	0	12.0	284	107	0	392	391.70	0	780	0%
>>> PD1 <<<				TRAILER	1993	CROSS COUNTRY		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	780	0%
>>> PD110 <<<				TRAILER	2013	RADAR TRAILER		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	17.5	505	35	0	541	540.94	0	240	0%
>>> PD111 <<<				DEFAULT	2009	INSTALERT		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	5.0	121	500	0	621	620.56	0	780	0%

TOWN OF WATERFORD
PERIOD AND LIFETIME DATA

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VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> PD150 <<<				DEFAULT	1994	KUSTOM SIGNAL I		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	29.5	580	1156	0	1736	1735.99	0	780	0%
>>> PD91 <<<				DEFAULT	2009	INSTALERT		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	24.5	560	544	0	1105	1104.59	0	780	0%
>>> POLICEP <<<				DEFAULT	1900			MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	1.0	24	0	0	24	24.12	0	90	0%
LF	0.0	0.0	0	0	0	0	50.5	1340	44	0	1384	1383.69	0	780	0%
>>> Q115 <<<				SUV	2015	FORD		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	12256.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	12256.0	0.0	0	0	0	0	1.5	36	53	0	89	89.16	0	90	0%
LF	12256.0	0.0	0	0	0	0	6.0	142	135	0	277	277.10	0	570	0%
>>> Q55 <<<				PICKUP	2013	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	24959.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	24959.0	0.0	0	0	0	0	1.0	37	2	0	40	39.72	0	90	0%
LF	50460.0	0.0	0	0	0	0	65.5	1704	1540	0	3244	3244.20	0	780	0%
>>> Q85 <<<				SUV	2016	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	25200.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	25200.0	0.0	0	0	0	0	4.0	117	27	0	144	143.90	0	90	0%
LF	25200.0	0.0	0	0	0	0	20.0	603	150	0	753	753.22	0	390	0%
>>> R10 <<<				TRUCK	2014	CHEVY		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	33703.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	33703.0	0.0	0	0	0	0	1.0	29	0	0	29	29.33	0	90	0%
LF	33703.0	0.0	0	0	0	0	66.0	1856	1755	0	3611	3611.19	0	780	0%
>>> R11 <<<				DUMP	2015	CHEVY		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	11121.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	11121.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	11121.0	0.0	0	0	0	0	59.5	1822	1357	0	3179	3179.02	0	780	0%
>>> R14 <<<				DUMP	2009	FORD		MILEAGE BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	16200.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	16200.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	60000.0	0.0	0	0	0	0	122.5	3028	3008	0	6036	6035.55	0	780	0%
>>> R15 <<<				DEFAULT	2008	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	21927.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	21927.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	85770.0	0.0	0	0	0	0	262.3	6605	6770	0	13375	13375.38	0	780	0%
>>> R16 <<<				PICKUP	2008	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	11919.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	11919.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	62859.0	0.0	0	0	0	0	371.5	9695	8551	0	18246	18245.58	0	780	0%

TOWN OF W TERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE From: First Thru: Last
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VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> R2 <<<				SUV	2009	FORD		MILEAGE BASE	SIZE: MEDIUM		FUEL: UNLEADED				
PD	20196.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	20196.0	0.0	0	0	0	0	0.0	0	49	0	49	48.79	0	90	0%
LF	42341.0	0.0	0	0	0	0	36.0	854	739	0	1593	1593.29	0	780	0%
>>> R30 <<<				WHEELCHAIR VAN	2017	FORD		MILEAGE BASE	SIZE: MEDIUM		FUEL: UNLEADED				
PD	12390.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	12390.0	0.0	0	0	0	0	5.0	147	24	0	171	170.71	0	90	0%
LF	12390.0	0.0	0	0	0	0	29.0	804	142	0	946	945.96	0	330	0%
>>> R4 <<<				WHEELCHAIR VAN	2009	FORD		MILEAGE BASE	SIZE: MEDIUM		FUEL: UNLEADED				
PD	32219.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	32219.0	0.0	0	0	0	0	12.5	364	252	0	616	616.29	0	90	0%
LF	103420.0	0.0	0	0	0	0	345.5	8391	6096	0	14487	14487.10	0	780	0%
>>> R5 <<<				WHEELCHAIR VAN	2013	FORD		MILEAGE BASE	SIZE: MEDIUM		FUEL: UNLEADED				
PD	55355.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	55355.0	0.0	0	0	0	0	7.0	210	177	0	387	386.59	0	90	0%
LF	67067.0	0.0	0	0	0	0	164.0	4354	3965	0	8319	8319.04	0	780	0%
>>> R6 <<<				VAN	1999	DODGE		MILEAGE BASE	SIZE: MEDIUM		FUEL: UNLEADED				
PD	3720.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	3720.0	0.0	0	0	0	0	25.0	619	353	0	972	971.98	0	90	0%
LF	79285.0	0.0	0	0	0	0	246.5	5478	6132	0	11609	11609.19	0	780	0%
>>> R8 <<<				PICKUP	2016	CHEVY		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	1.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	157.0	0.0	0	0	0	0	14.0	372	533	0	905	905.32	0	390	0%
>>> R9 <<<				DUMP	2006	GMC		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	100.5	2758	829	0	3587	3586.90	0	90	0%
LF	85955.0	0.0	0	0	0	0	353.0	8896	6845	0	15742	15741.54	0	780	0%
>>> S18 <<<				CURBTENDER	2007	AUTOCAR		MILEAGE BASE	SIZE:		FUEL: DIESEL				
PD	13777.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	13777.0	0.0	0	0	0	0	3.0	102	209	0	311	310.78	0	90	0%
LF	117334.0	0.0	0	0	0	0	1754.0	46422	74790	0	121212	121212.49	0	780	0%
>>> S19 <<<				CURBTENDER	2007	AUTOCAR		MILEAGE BASE	SIZE:		FUEL: DIESEL				
PD	15653.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	15653.0	0.0	0	0	0	0	8.0	258	157	0	414	414.47	0	90	0%
LF	114033.0	0.0	0	0	0	0	2194.5	59177	85046	0	144223	144223.01	0	780	0%
>>> S20 <<<				SIDE PACKER	2015	PETERBILT		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	179858.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	179858.0	0.0	0	0	0	0	18.3	622	3076	0	3699	3698.62	0	90	0%
LF	179858.0	0.0	0	0	0	0	175.8	5436	9634	0	15070	15069.94	0	690	0%
>>> S21 <<<				SIDE PACKER	2015	PETERBILT		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	20681.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	20681.0	0.0	0	0	0	0	20.0	678	1447	0	2125	2124.79	0	90	0%
LF	22122.0	0.0	0	0	0	0	269.0	8209	13394	0	21603	21602.80	0	690	0%

TOWN OF WATERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL

VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	+ Parts Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> S22 <<<				CURBTENDER	2011	PETERBILT		MILEAGE BASE	SIZE:		FUEL: DIESEL				
PD	8220.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	8220.0	0.0	0	0	0	0	30.0	1005	1775	0	2779	2779.42	0	90	0%
LF	56837.0	0.0	0	0	0	0	840.5	24332	33471	0	57803	57802.72	0	780	0%
>>> S23 <<<				REAR PACKER	2009	INTERNATIONAL		MILEAGE BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	8310.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	8310.0	0.0	0	0	0	0	2.0	71	364	0	436	435.83	0	90	0%
LF	25400.0	0.0	0	0	0	0	84.0	2353	3134	0	5487	5486.84	0	780	0%
>>> S24 <<<				REAR PACKER	2009	INTERNATIONAL		MILEAGE BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	6476.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	6476.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	25895.0	0.0	0	0	0	0	156.5	3928	9423	0	13352	13351.82	0	780	0%
>>> S25 <<<				RECYCLING TRUCK	2011	PETERBUILT		MILEAGE BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	19795.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	19795.0	0.0	0	0	0	0	3.0	96	123	0	219	219.08	0	90	0%
LF	52571.0	0.0	0	0	0	0	623.5	17411	40653	0	58063	58063.30	0	780	0%
>>> S26 <<<				RECYCLING TRUCK	2011	PETERBUILT		MILEAGE BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	22192.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	22192.0	0.0	0	0	0	0	67.0	2269	2255	0	4524	4524.18	0	90	0%
LF	58170.0	0.0	0	0	0	0	878.8	25162	50558	0	75719	75719.48	0	780	0%
>>> S29 <<<				FRONT LOADER	2015	PETERBUILT		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	25700.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	25700.0	0.0	0	0	0	0	16.0	477	542	0	1020	1019.67	0	90	0%
LF	28620.0	0.0	0	0	0	0	96.0	2944	4173	0	7117	7116.79	0	630	0%
>>> S30 <<<				EXCAVATOR	2001	VOLVO		HOURLY BASE	SIZE: HEAVY		FUEL: DIESEL				
PD	1942.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1942.0	0.0	0	0	0	0	10.0	290	28	0	319	318.56	0	90	0%
LF	13720.0	0.0	0	0	0	0	530.5	11838	42302	0	54140	54140.13	0	780	0%
>>> SHOP <<<				DEFAULT	2000			MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	140.5	3698	0	0	3698	3698.41	0	90	0%
LF	0.0	0.0	0	0	0	0	4104.2	100328	4834	0	105162	105161.71	0	780	0%
>>> SMALWPCA <<<				DEFAULT	2000	ALL SMALL		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	7.0	205	103	0	308	307.97	0	90	0%
LF	0.0	0.0	0	0	0	0	26.0	701	166	0	866	866.45	0	630	0%
>>> T1 <<<				PICKUP	2006	CHEVY		MILEAGE BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	82975.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	82975.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	110639.0	0.0	0	0	0	0	272.5	6536	8938	0	15473	15473.36	0	780	0%
>>> T2 <<<				PICKUP	2011	GMC		MILEAGE BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	27859.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	27859.0	0.0	0	0	0	0	12.0	370	220	0	590	590.34	0	90	0%
LF	49751.0	0.0	0	0	0	0	89.5	2392	2321	0	4713	4712.63	0	780	0%

TOWN OF W TERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL
VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost	Outside + Repairs	Total = Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> T3	<<<			PICKUP	2004	CHEVY		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	41815.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	41815.0	0.0	0	0	0	0	15.0	440	362	0	802	801.52	0	90	0%
LF	169072.0	0.0	0	0	0	0	251.5	6355	7239	0	13594	13593.93	0	780	0%
>>> T4	<<<			PICKUP	2016	CHEVY		MILEAGE BASE	SIZE: HEAVY		FUEL: NONE				
PD	1070.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1070.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	1070.0	0.0	0	0	0	0	23.0	675	677	0	1352	1351.93	0	330	0%
>>> T5	<<<			PICKUP	2006	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: UNLEADED				
PD	24097.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	24097.0	0.0	0	0	0	0	5.0	147	68	0	215	214.97	0	90	0%
LF	78066.0	0.0	0	0	0	0	93.8	2392	1700	0	4093	4092.85	0	780	0%
>>> UT2	<<<			TRAILER	2009	CAM		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	26.5	652	295	0	947	947.22	0	780	0%
>>> UT3	<<<			TRAILER	1994	TRAILER		MILEAGE BASE	SIZE: TRAILE		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	6.5	141	167	0	308	308.32	0	780	0%
>>> W16	<<<			PICKUP	2005	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	15607.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	15607.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	78765.0	0.0	0	0	0	0	117.8	3154	2657	0	5810	5810.30	0	780	0%
>>> W23	<<<			PICKUP	2006	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	1296.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	1296.0	0.0	0	0	0	0	4.0	136	117	0	253	253.04	0	90	0%
LF	6157.0	0.0	0	0	0	0	36.5	932	481	0	1413	1413.49	0	780	0%
>>> W26	<<<			PICKUP	2006	FORD		MILEAGE BASE	SIZE: MEDIUM		FUEL: DIESEL				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	24.0	662	1123	0	1786	1785.68	0	90	0%
LF	32068.0	0.0	0	0	0	0	47.0	1240	1848	0	3088	3088.31	0	780	0%
>>> W34	<<<			DEFAULT	2012	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	4333.0	0.0	0	0	0	0	13.0	319	112	0	431	430.99	0	780	0%
>>> W36	<<<			PICKUP	2007	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	9126.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	9126.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	40030.0	0.0	0	0	0	0	41.5	1071	1453	0	2524	2524.29	0	780	0%
>>> W43	<<<			DEFAULT	2006	FORD		MILEAGE BASE	SIZE:		FUEL: DIESEL				
PD	808.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	808.0	0.0	0	0	0	0	6.0	176	84	0	259	259.48	0	90	0%
LF	9920.0	0.0	0	0	0	0	41.0	1192	1167	0	2358	2358.19	0	780	0%

TOWN OF WATERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL
VEHICLE DETAIL

Veh Num	Meter Units	Fuel Qty	Lubricant Qty	Revenue	Tire Cost	Misc. Cost	Labor Hours	Labor (Cost	Parts + Cost +	Outside Repairs =	Total Repr Cst)	TOTAL Veh. Cost	-----DAYS----- Used	Posb	Pct
>>> W46	<<<			DEFAULT	2006	FORD		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	2996.0	0.0	0	0	0	0	8.0	235	64	0	298	298.14	0	90	0%
LF	60415.0	0.0	0	0	0	0	83.5	2208	1979	0	4186	4186.49	0	780	0%
>>> W53	<<<			PICKUP	2009	FORD		MILEAGE BASE	SIZE: LIGHT		FUEL: DIESEL				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	77931.0	0.0	0	0	0	0	20.0	481	398	0	879	879.28	0	780	0%
>>> W56	<<<			DEFAULT	2011	FORD		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	27495.0	0.0	0	0	0	0	48.5	1373	2250	0	3623	3622.50	0	780	0%
>>> WPCA	<<<			GENERATOR	1988	ONAN		MILEAGE BASE	SIZE:		FUEL: DIESEL				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	7.0	215	78	0	293	292.58	0	780	0%
>>> WPCA3	<<<			DEFAULT	1991	ONAN		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	78.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	780	0%
>>> WPCAF	<<<			MOWER	1900	FERRIS		HOURLY BASE	SIZE:		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	351.0	0.0	0	0	0	0	11.5	265	690	0	955	955.35	0	780	0%
>>> WPCAG2	<<<			DEFAULT	1900	GENERATOR		MILEAGE BASE	SIZE:		FUEL: NONE				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	4.0	106	0	0	106	106.28	0	780	0%
>>> WW2	<<<			DEFAULT	1900	HUSKVANNA		MILEAGE BASE	SIZE:		FUEL: UNLEADED				
PD	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	30	0%
YR	0.0	0.0	0	0	0	0	0.0	0	0	0	0	0.00	0	90	0%
LF	0.0	0.0	0	0	0	0	8.5	189	36	0	225	225.09	0	780	0%

TOWN OF W TERFORD
PERIOD AND LIFETIME DATA

Report by VEHICLE From: First Thru: Last
Facility > 00001 Current Department > *ALL
VEHICLE DETAIL

SUB-TOTALS (MILE)

PD	UNITS =	3,102,376.0	GAL/LTRS =	0.0	OIL USE =	0.0	REVENUE =	$0.00	TIRE COST =	$0.00
	MISC CST =	0.0	LBR HRS =	0.0	LABOR CST =	0.0	PART $ =	$0.00	OUT RPRS =	$0.00
			RPR COST =	$0.00			TTL COST =	$0.00		
			DYS WRKD=	0.0	DAYS POSS =	5,970.0	PERCENT =	0.0		
YR	UNITS =	3,169,671.0	GAL/LTRS =	0.0	OIL USE =	0.0	REVENUE =	$0.00	TIRE COST =	$0.00
	MISC CST =	0.0	LBR HRS =	968.3	LABOR CST =	27,931.0	PART $ =	$26,078.00	OUT RPRS =	$0.00
			RPR COST =	$54,009.00			TTL COST =	$54,009.01		
			DYS WRKD=	0.0	DAYS POSS =	7,790.0	PERCENT =	0.0		
LF	UNITS =	7,212,889.0	GAL/LTRS =	0.0	OIL USE =	0.0	REVENUE =	$0.00	TIRE COST =	$0.00
	MISC CST =	0.0	LBR HRS =	31,810.3	LABOR CST =	817,354.0	PART $ =	$938,445.00	OUT RPRS =	$0.00
			RPR COST =	$1,755,799.00			TTL COST =	$1,755,798.92		
			DYS WRKD=	0.0	DAYS POSS =	910.0	PERCENT =	0.0		

SUB-TOTALS (HOUR)

PD	UNITS =	49,205.4	GAL/LTRS =	0.0	OIL USE =	0.0	REVENUE =	$0.00	TIRE COST =	$0.00
	MISC CST =	0.0	LBR HRS =	0.0	LABOR CST =	0.0	PART $ =	$0.00	OUT RPRS =	$0.00
			RPR COST =	$0.00			TTL COST =	$0.00		
			DYS WRKD=	0.0	DAYS POSS =	1,200.0	PERCENT =	0.0		
YR	UNITS =	50,341.4	GAL/LTRS =	0.0	OIL USE =	0.0	REVENUE =	$0.00	TIRE COST =	$0.00
	MISC CST =	0.0	LBR HRS =	125.5	LABOR CST =	3,660.0	PART $ =	$4,276.00	OUT RPRS =	$0.00
			RPR COST =	$7,936.00			TTL COST =	$7,935.76		
			DYS WRKD=	0.0	DAYS POSS =	3,510.0	PERCENT =	0.0		
LF	UNITS =	1,259,860.0	GAL/LTRS =	0.0	OIL USE =	0.0	REVENUE =	$0.00	TIRE COST =	$0.00
	MISC CST =	0.0	LBR HRS =	8,945.7	LABOR CST =	219,409.0	PART $ =	$285,879.00	OUT RPRS =	$0.00
			RPR COST =	$505,288.00			TTL COST =	$505,288.34		
			DYS WRKD=	0.0	DAYS POSS =	28,680.0	PERCENT =	0.0		

FIFTEEN ROPE FERRY ROAD

Town of Waterford

WATERFORD, CT 06385-2886

TO: Daniel Steward, First Selectman

FROM: George Harran and Chris Callahan
Co-Chairmen of the Flood & Erosion Control Board

RE: Capital Improvement Request

DATE: November 9, 2017

The Flood & Erosion Control Board requests that you move the $100,000 Capital Improvement Request from fiscal year 2018-2019 to fiscal year 2020-2021.

Thank you for your assistance in this matter.

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM-FY 2019-2023

	DEPARTMENT/ AGENCY:	**TOWN IT COMMITTEE**						
DEPT PRIORITY	**PROJECT NAME**	**FUNDING SOURCE**	**FISCAL YEAR 2018-2019**	**FISCAL YEAR 2019-2020**	**FISCAL YEAR 2020-2021**	**FISCAL YEAR 2021-2022**	**FISCAL YEAR 2022-2023**	**TOTAL**
	MICROSOFT WINDOWS SERVER/EXCHANGE 2016 (Physical server for email)	1	15,201.00					**15,201.00**
	MICROSOFT EMAIL SYSTEM SOFTWARE / WITH WINDOWS SERVER (added $500, quote only had 12 cores, we need 24)	1	29,550.00					**29,550.00**
	REC TRAC software*1	1	18,500.00					**18,500.00**
	HARDWARE REFRESH (27 new computers)*2	1,3	25,580.00	26,348.00	48,391.00			**100,319.00**
	TOWN WIDE WIFI (final phase)	1						**0.00**
	CORE SWITCHES AND BLADES EOC/TOWN HALL	1,3	12,000.00	22,200.00				**34,200.00**
	SWITCHES	3				18,000.00		**18,000.00**
	PHONE SYSTEM (software/hardware upgrades)*3	3			5,250.00	11,000.00	17,416.66	**33,666.66**
	modifiedVMWARE/Virtual Servers (Hosts, software)	3		12,100.00	12,100.00	12,100.00	12,100.00	**48,400.00**
	SAN ***Added item	1	42,000.00					**42,000.00**
	FIBER UPGRADE (Town Hall, to PD/YS/EOC, Community Center, Library *5	3		7,000.00	7,000.00	7,000.00	7,000.00	**28,000.00**
	MERAKI five year licensing (Cisco wireless access points)	3		5,750.00	5,750.00	5,750.00	5,750.00	**23,000.00**
	Exterior camera system*5	3		95,000.00	97,200.00	77,000.00	77,000.00	**346,200.00**
	TOTALS		**142,831.00**	**168,398.00**	**175,691.00**	**130,850.00**	**119,266.66**	**737,036.66**

*1 REC TRAC moved forward one year at suggestion of the IT Committee.
*2 Switch to virtual desktops will occur in FY 2020/2021 dependent on technical growth in this area/addition of new PW complex.
*3 Phone system partially redone when municipal complex is built, and upgrades for hardware software as EOL is reached. Town/BOE upgrade aligned.
*4 Current fiber in this area is "multi-mode" which allows about 100 meg speed, would increase to 10 gig speed.
*5 Exterior camera system allows viewing the Town for various Departments - TH, PD/FIRE/EOC, PW.

Phone system (calculated based on town owned phone components. District and Town upgrade will be alligned) $4583.33 UC upgrade#1

$5250 UC upgrade#2 $11000 Phone server replace - EOL $17416.66 UC upgrade#3 and 7 voice router replacments EOL

Switches $8560 main 48port switches, $8714.74 6 remaining EOL swirches 24 and 8 Port.

Fiber upgrade. Est based on what schools paid for site fiber install. Considering that town has 5 sites. PD/YSB 50% less due to short distance.
SAN - Lifespan 5-6 years, 3 years of support/patches/firmware/parts, then buy support (14k/year). Company has promotion for 3 years of support, give you new unit.
(2 towers)Exterior cams 4 intersections and tower work $81,200. $30k for infrastructue items- switches routers and DVR to allow town agencies to utilize system
$44k for steel poles and foundation poles at the intersections. Site survey required for more detailed pricing.
Pole pricing is from older quote from omni data. Cabinet may be required at some intersections

expectiong fiber quote week of 11/6

INDEX TO FUNDING SOURCES,

1 CURRENT YEAR CAPITAL IMPROVEMENTS
3 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

DEPARTMENT/AGENCY	CONTACT PERSON
Waterford IT Committee	Brett Mahoney, IT Chairperson
PROJECT NAME	**DEPARTMENT PRIORITY**
MICROSOFT WINDOWS SERVER/EXCHANGE 2016	1

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

The Exchange server request is preparatory for the designed move to the Microsoft Office Suite 2016. The IT Department feels that a physical server is a better use for this application, and is less expensive than adding to one of the existing virtual servers.

2 PROJECT STATUS IF IN PROGRESS

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

Town-wide Windows system update, affects every department.

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

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)

Attached

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2018	FY2019	FY2020	FY2021	FY2022
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR			15,201			
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**	**0**	**15,201**	**0**	**0**	**0**

Consolidated Computing, Inc.
380 Morehouse Road
Easton, CT 06612
203-268-3455

CONSOLIDATED COMPUTING, INC.
"Doing More with Less Infrastructure"

Quote

Date	Quote #
11/21/2016	5590

Name / Address	Ship To
Waterford Public Schools Attn: Accounts Payable PO Box 284 Waterford, CT 06385	Ed Crane Waterford Public Schools Attn: Tech Department 15 Rope Ferry Road Waterford, CT 06385

P.O. No.

Item	Description	Qty	Price per Unit	Total
	HP - NASPO 13PSX0280-MNNVP-134			
719064-B21	HP DL380 Gen9 8SFF CTO Server	1	1,362.91	1,362.91T
719044-B21	HP DL380 Gen9 E5-2690v3 FIO Kit 2.6GHz 12 Core	1	2,152.77	2,152.77T
719044-L21	HP DL380 Gen9 E5-2690v3 FIO Kit 2.6GHz 12 Core	1	2,152.77	2,152.77T
726719-B21	HPQ 16GB (1X16GB) 2RX4 PC4-2133P-R MEM G	6	276.67	1,660.02T
718162-B21	HP 1.2TB 6G SAS 10K 2.5in DP ENT SC HDD	8	663.57	5,308.56T
749974-B21	HP Smart Array P440ar/2G FIO Controller	1	473.77	473.77T
733660-B21	HPQ 2U SMALL FORM FACTOR EASY INSTALL RAIL KIT	1	73.00	73.00T
720479-B21	HP 800W FS Plat Ht Plg Pwr Supply Kit	2	262.07	524.14T
H7J34A3 TT3	HP 3yr Foundation Care 24x7 Service HP ProLiant DL380 Gen9 Support	1	1,420.38	1,420.38T
Freight	Freight	1	72.50	72.50
	Sales Tax Non Taxable - Exempt		0.00%	0.00

If you have any questions please contact:
Don Hanson 203-268-3455
donhanson@consolidatedcomputing.com

Total $15,200.82

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford IT Committee	**CONTACT PERSON** Brett Mahoney, IT Chairperson
PROJECT NAME MSFT EMAIL SYST. SOFTWARE W/ WINDOWS SERVER	**DEPARTMENT PRIORITY** 1

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

The email server system request is preparatory for the designed move to the Microsoft Office Suite 2016. The IT Department feels that this can go on the virtual server, but stated that the attached quote only provided for 12 cores, whereas the Town needs 24 cores. $500 was added to the quote until an updated quote can be provided.

2 PROJECT STATUS IF IN PROGRESS

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

Town-wide email system update, affects every department.

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

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)

Attached

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2018	FY2019	FY2020	FY2021	FY2022
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR			29,550			
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	0	29,550	0	0	0

Digital BackOffice
KEEPING YOU CONNECTED

Advanced Corporate Networking, Inc.

tel: 203.874-5545 · fax: 203.876-1788 · e-mail: sales@digitalbackoffice.com
http://www.digitalbackoffice.com 192 Naugatuck Ave. · Milford, Connecticut 06460

November 21, 2016

Mr. Ed Crane
Technology Director
Town of Waterford
15 Rope Ferry Road
Waterford, CT 06385

Re: Microsoft License Quote

Dear Mr. Crane:

Digital BackOffice is pleased to provide the Town of Waterford with this quote for Microsoft Open Government licenses.

Description	Unit Price	Qty.	Extended Price
Microsoft Exchange Server 2016 Standard License *	$559.95	1	$ 559.95
Microsoft Exchange Server 2016 Standard plus Enterprise User CAL	$109.95	200	$21,990.00
Microsoft Windows Server 2016 Standard – 2 Core	$84.95	6	$ 509.70
Microsoft Windows Server 2016 - License - User CAL	$29.95	200	$ 5,990.00
	Grand Total		**$29,049.65**

***Standard edition supports 1 to 5 mailbox databases.**

Please address and send your purchase order to Advanced Corporate Networking, 192 Naugatuck Avenue, Milford, CT 06460.

Regards,

Dale Bruckhart
Public Sector Sales

This document is the property of and proprietary to Advanced Corporate Networking. It is not to be disclosed in whole or in part without written consent of Advanced Corporate Networking and shall be returned upon request.

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford IT Commission	**CONTACT PERSON** Brett Mahoney, IT Chairperson
PROJECT NAME REC TRAC 3.1	**DEPARTMENT PRIORITY** 1

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

The Rec Trac software is a currently used software for Rec and Parks, and Senior Services. With the online payment module and the camp module, this software can be utilized for Youth Services as well. The current system in place is still viable, and the physical server purchased for it is still functional. The system will need a general overhaul and upgrade to increase customer service and efficiency, this request is keeping our systems in place current.

2 PROJECT STATUS IF IN PROGRESS

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

Rec and Parks, Senior Services, Youth Services

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

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)

Attached

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		32,000				
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	32,000	0	0	0	0

Vermont Systems
Recreation & Parks Software

Proposal Summary Pricing
VSI Quote Number: 54893

Please See Detail Breakdown on Following Pages

Description: WebTrac and PayTrac
Prepared For: Town of Waterford Recreation, Waterford, CT
Contact Name: Sally Ritchie
Contact Email: sritchie@waterfordct.org
Approved By: Terri Colacchio, Sales (terric@vermontsystems.com)

Phone Number: (860)444-5839
Fax Number:
Quote Date: 02/22/2016

Description		Purchase Price	Annual Maint/Sys	Estimated Shipping*	Total Price
WebTrac - Basic Edition					
Application Software		$10,175.00	$2,035.00	$0.00	$12,210.00
Progress OpenEdge Software		$2,035.00	$407.00	$0.00	$2,442.00
VSI-Add ons		$1,250.00	$0.00	$0.00	$1,250.00
Support Services - Training & Expenses		$4,415.00	$0.00	$0.00	$4,415.00
	Total WebTrac:	$17,875.00	$2,442.00	$0.00	$20,317.00
PayTrac - Workgroup Multi-User Software					
Application Software		$3,000.00	$600.00	$0.00	$3,000.00
Magstripe Readers		$1,390.00	$0.00	$32.00	$1,422.00
Support Services - Training & Expenses		$200.00	$0.00	$0.00	$200.00
	Total PayTrac:	$4,590.00	$600.00	$32.00	$5,222.00

VSI TOTALS

Application Software	$13,175.00	$2,635.00	$0.00	$15,810.00
Progress OpenEdge Software	$2,035.00	$407.00	$0.00	$2,442.00
Magstripe Readers	$1,390.00	$0.00	$32.00	$1,422.00
VSI-Add ons	$1,250.00	$0.00	$0.00	$1,250.00
Support Services - Training & Expenses	$4,615.00	$0.00	$0.00	$4,615.00
Grand Totals:	$22,465.00	$3,042.00	$32.00	$25,539.00

(Plus Tax Where Applicable / Includes Shipping FOB - Origin)

* NOTE: Shipping is FOB - Origin

Vermont Systems
Recreation & Parks Software

Proposal Summary Pricing
VSI Quote Number: 54893

Please See Detail Breakdown on Following Pages

Description: WebTrac and PayTrac
Prepared For: Town of Waterford Recreation, Waterford, CT
Contact Name: Sally Ritchie
Contact Email: srltchie@waterfordct.org
Approved By: Terri Colacchio, Sales (terric@vermontsystems.com)

Phone Number: (860)444-5830
Fax Number:
Quote Date: 02/22/2016

Description		Purchase Price	Annual Maint/Svs	Estimated Shipping*	Total Price
WebTrac - Basic Edition					
	Application Software	$10,175.00	$2,035.00	$0.00	$12,210.00
	Progress OpenEdge Software	$2,035.00	$407.00	$0.00	$2,442.00
	VSI-Add ons	$1,250.00	$0.00	$0.00	$1,250.00
	Support Services - Training & Expenses	$4,415.00	$0.00	$0.00	$4,415.00
	Total WebTrac:	$17,875.00	$2,442.00	$0.00	$20,317.00
PayTrac - Workgroup Multi-User Software					
	Application Software	$3,000.00	$600.00	$0.00	$3,000.00
	Magstripe Readers	$1,390.00	$0.00	$32.00	$1,422.00
	Support Services - Training & Expenses	$200.00	$0.00	$0.00	$200.00
	Total PayTrac:	$4,590.00	$600.00	$32.00	$5,222.00
VSI TOTALS					
	Application Software	$13,175.00	$2,635.00	$0.00	$15,810.00
	Progress OpenEdge Software	$2,035.00	$407.00	$0.00	$2,442.00
	Magstripe Readers	$1,390.00	$0.00	$32.00	$1,422.00
	VSI-Add ons	$1,250.00	$0.00	$0.00	$1,250.00
	Support Services - Training & Expenses	$4,615.00	$0.00	$0.00	$4,615.00
	Grand Totals:	$22,465.00	$3,042.00	$32.00	$25,539.00

(Plus Tax Where Applicable / Includes Shipping FOB - Origin)

* NOTE: Shipping is FOB - Origin

Vermont Systems
Recreation & Parks Software

WebTrac Basic Edition
Real-Time Internet Software
VSI Quote Number: 54893
Please Review Notes on Last Page
Software Pricing Is Valid For 120 Days
Hardware Pricing Is Subject to Change

Description: WebTrac and PayTrac
Prepared For: Town of Waterford Recreation, Waterford, CT
Contact Name: Sally Ritchie
Contact Email: sritchie@waterfordct.org
Approved By: Terri Colacchio, Sales (terric@vermontsystems.com)

Phone Number: (860)444-6839
Fax Number:
Quote Date: 02/22/2016

Qty	Unit	Description	Unit Price	Extended Price	Annual Maint/Sys	
		Application Software				
1	Each	WebTrac Internet Software, 6-15 RecTrac Users (V-WT-SU-IS-6)	$3,750.00	$3,750.00	$750.00	1
1	Each	WebTrac Activity Registrations (V-WT-SU-AR)	$950.00	$950.00	$190.00	2
1	Each	WebTrac Facility Reservations (V-WT-SU-FR)	$950.00	$950.00	$190.00	2
1	Each	Mobile RecTrac (V-WT-SU-MRT)	$1,050.00	$1,050.00	$390.00	3
1	Each	Mobile WebTrac (V-WT-SU-MWT)	$1,950.00	$1,950.00	$390.00	4
1	Each	WebTrac/RecTrac Sm Workgroup Agents (V-WT-SU-AU)	$625.00	$625.00	$125.00	5
		Total Application Software:		$10,175.00	$2,035.00	
		Progress OpenEdge Software				
1	Each	OpenEdge Application Server & RDBMS (T-PG-SU-WB)	$2,035.00	$2,035.00	$407.00	6
		Total Progress OpenEdge Software:		$2,035.00	$407.00	
		VSI-Add ons				
1	Each	WebTrac Standard Brochure Interface (V-WT-IN-SB)	$0.00	$0.00	$0.00	7
1	Each	WebTrac First Style Sheet Service Initial & Major (V-WT-IN-SS-1)	$750.00	$750.00	$0.00	8
1	Each	Standard Splash Page Options (V-WT-CP-SP)	$500.00	$500.00	$0.00	9
		Total VSI-Add ons:		$1,250.00	$0.00	
		Support Services - Training & Expenses				
3	Day(s)	Installation/Training, Municipal, On-Site/Day (X-S-TNG-01)	$750.00	$2,250.00	$0.00	
1	Day(s)	Travel Time (X-S-TNG-09)	$375.00	$375.00	$0.00	
3	Each	Travel Expenses - per day (estimated) (X-X-EXP)	$330.00	$990.00	$0.00	10
8	Hour(s)	Phone/Webex Setup or Training/Hr. (Min 15 Min/$25) (X-S-TNP-01)	$100.00	$800.00	$0.00	11
		Total Support Services - Training & Expenses:		$4,415.00	$0.00	
		Total Software, Hardware and Support Services		$17,075.00	$2,442.00	
		Grand Total - WebTrac:			$20,317.00	

(Plus Tax Where Applicable / Includes Shipping FOB - Origin)

* NOTE: Shipping is FOB - Origin

877-883-8767 (x 3027)

Vermont Systems
Recreation & Parks Software

PayTrac Workgroup Multi-User Software
VSI Quote Number: 54893
Please Review Notes on Last Page
Software Pricing Is Valid For 120 Days
Hardware Pricing Is Subject to Change

Description: WebTrac and PayTrac ?
Prepared For: Town of Waterford Recreation, Waterford, CT
Contact Name: Sally Ritchie
Contact Email: sritchie@waterfordct.org
Approved By: Terri Colacchio, Sales (terric@vermontsystems.com)

Phone Number: (860)444-5839
Fax Number:
Quote Date: 02/22/2016

Qty	Unit	Description	Unit Price	Extended Price	Estimated Shipping*	Annual Maint/Sys	
		Application Software					
1	Each	VSI Workgroup ERI Credit Card Interface (V-PT-MU-ERI)	$3,000.00	$3,000.00	$0.00	$600.00	12
		Total Application Software:		$3,000.00	$0.00	$600.00	
		Magstripe Readers					
2	Each	Credit Card EMV (Chip & Pin) Device (H-PIN-90)	$696.00	$1,390.00	$32.00	$0.00	13
		Total Magstripe Readers:		$1,390.00	$32.00	$0.00	
		Support Services - Training & Expenses					
2	Hour(s)	Phone/Webex Setup or Training/Hr. (Min 15 Min/$25) (X-S-TNP-01)	$100.00	$200.00	$0.00	$0.00	11
		Total Support Services - Training & Expenses:		$200.00	$0.00	$0.00	
		Total Software, Hardware and Support Services		$4,590.00	$32.00	$600.00	
		Grand Total - PayTrac:				$5,222.00	

(Plus Tax Where Applicable / Includes Shipping FOB - Origin)

* NOTE: Shipping is FOB - Origin

The actual credit card device you will purchase depends on what gateway/processor you contract with.

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Vermont Systems
Recreation & Parks Software

Proposal Summary Pricing
VSI Quote Number: 54893

Please See Detail Breakdown on Following Pages

Description:	WebTrac and PayTrac		
Prepared For:	Town of Waterford Recreation, Waterford, CT		
Contact Name:	Sally Ritchie	Phone Number:	(860)444-5839
Contact Email:	sritchie@waterfordct.org	Fax Number:	
Approved By:	Terri Colacchio, Sales (terric@vermontsystems.com)	Quote Date:	02/22/2016

1 WebTrac enables your customers to process RecTrac transactions real-time using a browser via the Internet.

The WebTrac module does NOT include hosting services, which are priced separately. However, if needed VSI does offer two types of hosting services: Web Server Only or Web Server & Database. If you need Web Server Only hosting and your IT department or your off-premise web hosting vendor does'nt allow third party software to be installed on its servers, then VSI can offer Web Server Only hosting with a monthly fee, which is billed on annual basis. If you need full Web Server & Database hosting services, VSI will provide by installing your software on its servers at its TechVault data center with monthly billing.

2 WebTrac modules require respective RecTrac licensed modules in order to process web transactions.

3 Mobile RecTrac provides access to select staff functions using a smart phone mobile browser. The Mobile RecTrac browser is device/operating system independent. Functions such as Visit Check-In, League Scores Postings, Roster Print, Tee Sheets, and Household Inquiries are a few of the functions that are available to the staff using a smart phone. All current and future Mobile RecTrac staff related functions developed for all RecTrac modules by VSI are included in this one-time license fee, providing that the annual maintenance and support fees are paid.

Mobile Hardware Options:

1. Honeywell Captuvo SL22 IPOD Sled, SL42 IPHONE Sled, SL62 IPAD Mini Sled
There are several models available for the IPOD, IPHONE,IPAD Mini including one with magstripe reader only, one with bar code imager only, and one with both bar code imager and magstripe reader. Options for both include holsters, wrist lanyards, and battery packs. VSI is a Honeywell dealer and offers the Captuvo at prices ranging from $270 to $720 each. The IPOD,IPHONE,IPAD Mini are fully integrated with the SL22, SL42,SL62 Sleds. Each Sled also requires the DryRain browser software at $99 that is required to enable the units to communicate with RecTrac.

2. Motorola CS3060-SR10007WW with 1D Bluetooth bar code scanner - customers can purchase this unit from VSI or from another source. This unit can be linked to most smart phone devices that support Bluetooth connections.

4 Mobile WebTrac provides patron access to select functions using a smart phone mobile browser. Since Mobile WebTrac is browser based, it is device/operating system independent. Functions such as booking a tee time, enrolling in a class, viewing a calendar of events, making a payment, and displaying their pass barcode are a few of the operations that patrons will be able to access on their phone. All patron related functions that are developed for Mobile WebTrac will be available under this one license fee. In summary, Mobile WebTrac encompasses all of the functions that have been developed across all WebTrac modules.

Mobile Hardware Options: any modern smart phone with or without a bar code scanner, depending on the the application.

5 WebTrac Agents needed are provided to process WebTrac online transactions. Each Agent can service approximately 20 simultaneous requests.

6 VSI uses Progress OpenEdge software to develop and deploy its' software applications, and also embeds the required Progress OpenEdge Enterprise or Workgroup RDBMS (Relational Database Management Software) with its' applications.

7 The WebTrac base pricing includes the Standard Brochure Interface with many options from which you can select choices.

8 VSI will customize the WebTrac stylesheet to match the appearance of your web site as closely as possible. After you have finalized your WebTrac page specifications, you will be asked to sign an approval form. VSI will provide the stylesheet programming services and then ask you to verify that the results match your specs. If you ask for additional changes following the completion of the initial styling then each major change request is priced at $750.00. Minor & Seasonal change requests are priced at $375.00 each.

Vermont Systems
Recreation & Parks Software

Proposal Summary Pricing
VSI Quote Number: 54893

Please See Detail Breakdown on Following Pages

Description:	WebTrac and PayTrac		
Prepared For:	Town of Waterford Recreation, Waterford, CT		
Contact Name:	Sally Ritchie	Phone Number:	(860)444-5839
Contact Email:	srltchie@waterfordct.org	Fax Number:	
Approved By:	Torri Colacchio, Sales (torric@vermontsystems.com)	Quote Date:	02/22/2016

9 The Standard Splash Page Option offers a choice of any one of 14 standard spash pages, and they are available on the VSI website for your review. You decide which standard or combination of multiple standards is best for your organization.

The $500 fee includes VSI support to assist you to implement the template on your site. This typically takes 2-4 hours. Any time over 4 hours due to change requests will be charged at $100/hour. Any design changes to the standard templates that require custom programming will be charged at $140/hour.

10 The included expenses are ESTIMATED for airfare, lodging, meals, parking, tolls, and rental vehicle (for non-flying trips, car rental can be more due to tolls and gasoline usage). Actual expenses are billed after each trip. For states with Cashless Tolls, there may be a delay in billing these charges as we sometimes don't get these bills from the car rental companies until weeks after a trip is complete.

11 Time quoted is estimated. Actual time used will be billed.

12 The VSI ERI (External Redirect Interface) fee applies to any of the credit card vendor options.

13 The specific credit card EMV (Chip and Pin) device delivered depends on the PayTrac solution you select. This line item is used as a placeholder for budgeting purposes. The different devices range in price from $600-$750.

Vermont Systems
Recreation & Parks Software

RecTrac Workgroup Multi-User Software
Recreation Tracking Software
VSI Quote Number: 54894

Please Review Notes on Last Page
Software Pricing Is Valid For 120 Days
Hardware Pricing Is Subject to Change

Description: 3.1 Onsite Support Services
Prepared For: Town of Waterford Recreation, Waterford, CT
Contact Name: Sally Ritchie
Contact Email: sritchie@waterfordct.org
Approved By: Terri Colacchio, Sales (terric@vermontsystems.com)

Phone Number: (860)444-5839
Fax Number:
Quote Date: 02/22/2016

Qty	Unit	Description	Unit Price	Extended Price	Annual Maint/Svs
		Support Services - Training & Expenses			
5	Day(s)	Installation/Training, Municipal, On-Site/Day (X-S-TNG-01)	$750.00	$3,750.00	$0.00
1	Day(s)	Travel Time (X-S-TNG-09)	$375.00	$375.00	$0.00
6	Each	Travel Expenses - per day (estimated) (X-X-EXP)	$330.00	$1,980.00	$0.00
		Total Support Services - Training & Expenses:		$6,105.00	$0.00
		Total Software, Hardware and Support Services		$6,105.00	$0.00
		Grand Total - RecTrac:		$6,105.00	

* NOTE: Shipping is FOB - Origin

(Plus Tax Where Applicable / Includes Shipping FOB - Origin)

Upgrade to 3.1

Vermont Systems
Recreation & Parks Software

Proposal Summary Pricing
VSI Quote Number: 54894

Please See Detail Breakdown
on Following Pages

Description:	3.1 Onsite Support Services		
Prepared For:	Town of Waterford Recreation, Waterford, CT		
Contact Name:	Sally Ritchie	Phone Number:	(860)444-5839
Contact Email:	sritchie@waterfordct.org	Fax Number:	
Approved By:	Torri Colacchio, Sales (torric@vermontsystems.com)	Quote Date:	02/22/2016

1 The included expenses are ESTIMATED for airfare, lodging, meals, parking, tolls, and rental vehicle (for non-flying trips, car rental can be more due to tolls and gasoline usage). Actual expenses are billed after each trip. For states with Cashless Tolls, there may be a delay in billing those charges as we sometimes don't get those bills from the car rental companies until weeks after a trip is complete.

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford IT Commission	CONTACT PERSON Brett Mahoney, IT Chairperson
PROJECT NAME HARDWARE REFRESH	DEPARTMENT PRIORITY 1

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

Each year the Town IT department will add 27 computers to refresh the computers needed throughout town, assuming a six year computer life. This year's request replaces the HPZ220 model acquired in 2013-2014 for various departments in town. A 24" monitor has been included due to more landscape needed for differing applications. **The purchase of desktop computers looks to end in FY 2021 when the Town switches to a virtual desktop model of computing.**

2 **PROJECT STATUS IF IN PROGRESS**

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)**

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)**

Attached

7 **COST/FUNDING SOURCE**

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		26,348				
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR			27,139	50,810		
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	26,348	27,139	50,810	0	0

Please make purchase orders to:
HP Inc.
Attn: Public Sector Sales
14231 Tandem Blvd
Austin, TX 78728

Fax your purchase order to:
(203) 876-1788 Attn: Rick Persico

Deliver To:
Ed Crane
Waterford Public Schools
Waterford, Connecticut 06385

Quote Number: 11948870
Today's Date: 11/15/2017
Created By: rickp@digitalbackoffice.com

Quote Name: Waterford_HP Z240 Workstation with 500GB HD
Quote Created Date: 11/15/2017
Contract: CT - STATE OF CONNECTICUT (WSCA/NASPO) (11PSX0247)

Product availability and product discontinuation are subject to change without notice. The prices in this quotation are valid for 30 days from reseller 10254225 quote date above. Please include the quote number and contract from this quote on the corresponding purchase order.

items/description	part no	unit price	qty	ext price
Configurable- HP Z240 SFF Workstation	L8T14AV	$740.52	27	$19,994.04
Win 10 Pro 64	L8S17AV#ABA			
HP Z240 SFF 240W 92 percent efficient Chassis	M0U73AV			
Intel HD Graphics 530 (Core i3/i5/i7 CPUs)	N3U69AV			
Intel Core i5-6500 3.2GHz up to 3.6GHz 6M 4C SFF CPU	N2G29AV			
8GB DDR4-2133 nECC (2x4GB) Unbuffered RAM	M6Q51AV			
Operating System Load to SATA	M8Z01AV			
500GB 7200 RPM SATA 1st Hard Drive - 3.5	M6U81AV			
9.5mm Slim SuperMulti DVDRW 1st ODD	L8S24AV			
HP USB Business Slim Keyboard	M6Q10AV#ABA			
HP USB Optical Mouse	M6Q14AV			
HP Single Unit (SFF) Packaging	M6Q15AV			
HP 3/3/3 SFF Warranty	L8S33AV#ABA			
Z240 SATA Data Cable - ST-RA 1	E4T19AV			
HP Z240 Workstation Country Kit	L8T15AV#ABA			
Total:				$19,994.04

Product availability and product discontinuation are subject to change without notice. The prices in this quotation are valid for 30 days from quote date above. Please include the quote number and contract from this quote on the corresponding purchase order. This document is the property of and proprietary to Advanced Corporate Networking. It is not to be disclosed in whole or in part without written consent of Advanced Corporate Networking and shall be returned upon request.

Public Sector Sales

PRICE QUOTATION

Quote Number: 11949969-2

Quote Date : November 16, 2017
Revised Date : November 16, 2017
Expires: December 16, 2017
Provided by: Myra Rodriguez

Rick Persico
WATERFORD PUBLIC SCHOOLS
Big Deal Number: **40688026**
Contract: CT - STATE OF CONNECTICUT (NASPO VP PC) (13PSX0280-MNNVP-133)

Product availability and product discontinuation is subject to change without notice. The prices in this quotation are valid for 30 days from quote date above. Please include the quote number and contract from this quote on the corresponding purchase order. HP INC. PROPRIETARY INFORMATION FOR CUSTOMER USE ONLY. DO NOT SHARE.

Item	Part No.	Description	Qty.	Unit Price	Extended
	Group:				
1.		**HP E233 23" Display - 1FH46AA#ABA**	27	$175.00	$4,725.00
	1FH46AA#ABA	Monitors - HP E233 23" Display Contrast ratio - 1000:1 Contrast Ratio Brightness (typical) - 250 nits Input Signal - (1) DisplayPort 1.2, (1) HDMI 1.4, (1) VGA HDCP support on DisplayPort and HDMI Horizontal/Vertical viewing angle (typical) - 178/178 degrees Max Power Rating - 35 Watts Native resolution - 1920 x 1080 Response rate (typical, rise and fall) - 7 ms response time Asset Control - None Integrated speakers - No Integrated speakers Anti-Glare and Anti-Static - Anti-Glare: Yes Anti-Static: No Energy Efficiency - ENERGY STAR qualified Warranty - Protected by HP, including a 3 year standard limited warranty. Optional Care Pack Services are extended service contracts which go beyond your standard warranties.			
			SUB TOTAL :		**$4,725.00**

TOTAL PRICE : $4,725.00

To ensure the accurate and timely processing of your order, please include quote # 11949969-2 on your Purchase Order.

Comments:

Note: For detailed warranty information, please link to "URL" for more information www.hp.com/go/specificwarrantyinfo.
Sales taxes added where applicable. Freight is FOB Destination.

Quote

Consolidated Computing, Inc
380 Morehouse Road
Easton, CT 06612
203-268-3455

CONSOLIDATED COMPUTING, INC.
"Doing More with Less Infrastructure"

Date	Quote #
10/12/2017	6172

Name / Address	Ship To
Town of Waterford Attn: Accounts Payable 15 Rope Ferry Rd Waterford, CT 06385	Town of Waterford Attn: Ed Crane 20 Rope Ferry Rd Waterford, CT 06385

Pricing valid for 30 days from estimate date

Terms: Due upon receipt

Item	Description	Qty	Price per ...	Total
	HP DL380 G10 Server - GPU Ready, each with: Dual 2.4GHz 10 Core processors, 512 GB memory, Dual port HBA, Dual 10GBE adapter, Dual SD Flash, Dual Power. 5 Year 24 X 7 Hardware Support			
868703-B21	HPE DL380 Gen10 8SFF CTO Server	1	1,993.36	1,993.36T
876562-L21	HPE DL380 Gen10 5115 Xeon-G 2.4GHz, 10 core FIO Kit	1	1,722.97	1,722.97T
876562-B21	HPE DL380 Gen10 5115 Xeon-G 2.4GHz, 10 core FIO Kit	1	1,802.48	1,802.48T
826706-B21	HPE DL380 Gen10 High Performance Heatsink Kit	1	131.82	131.82T
815100-B21	HPE 32GB 2Rx4 PC4-2666V-R Smart Kit	16	792.935	12,686.96T
871674-B21	HPE DL38X Gen10 x16 x16 Riser FIO	1	38.22	38.22T
826700-B21	HPE DL380 Gen10 Tertiary x16 Riser	1	108.42	108.42T
826704-B21	HPE DL Gen10 x16 x16 GPU Riser Kit	1	100.62	100.62T
727054-B21	HPE Ethernet 10Gb 2-port 562FLR-SFP+Adapter	1	529.62	529.62T
733660-B21	HPQ 2U SMALL FORM FACTOR EASY INSTALL RAIL KIT	1	78.00	78.00T
726116-B21	HP 8GB microSD EM Flash Media Kit	1	61.62	61.62T
P9D94A	HPE SN1100Q 16Gb 2p FC HBA	1	1,957.77	1,957.77T
871828-B21	HPE DL380 Gen10 8P Cable Kit	1	22.62	22.62T
830272-B21	HPE 1600W FS Plat Ht Plg LH Pwr Supply Kit	2	373.62	747.24T
867810-B21	HPE DL38X Gen10 High Performance Fan	1	186.42	186.42T
H7J34A5 WAH	HPE 5Y Foundation Care 24x7 Service DL380 Gen10 Support	1	4,347.07	4,347.07T
HZ7-ENN-10-C	VMware Horizon 7 Enterprise : 10 Pack (Named Users)	5	3,500.00	17,500.00T
HZ7-ENN-10-P-SSS-C	Production Support/Subscription for VMware Horizon 7 Enterprise : 10 Pack (Named Users) for 1 year	5	875.00	4,375.00T
	Sales Tax Non Taxable - Exempt		0.00%	0.00

If you have any questions please contact:
Don Hanson 203-268-3455
donhanson@consolidatedcomputing.com

Total $48,390.21

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford IT Commission	**CONTACT PERSON** Brett Mahoney, IT Chairperson
PROJECT NAME Town Wide WiFi	**DEPARTMENT PRIORITY** 1

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

The Town-wide WiFi upgrade allows for each municipal building to have a networked, robust WiFi system in place. Each building would have a municpal workers "side" and a public "side" of the WiFi system, allowing for maximum efficiency on both faces of the operation. The buildings affected in FY 2017-2018 are the Town Hall and Community Center, FY 2018-2019 are the Police Department and Youth Services, and 2019-2020 are the Library and Public Works.

2 PROJECT STATUS IF IN PROGRESS

3/3 years.

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

Rec and Parks, Senior Services, Youth Services

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

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)

Attached

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		24,000				
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR	50,000					
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	50,000	24,000	0	0	0	0

QUOTE CONFIRMATION

PEOPLE WHO GET IT

DEAR ED CRANE,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. Click here to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
JJLZ684	10/29/2017	WAP REPLACE TH,CC,YSB,EOC	0343169	$23,014.00

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Cisco Meraki MR33 Cloud Managed - wireless access point Mfg. Part#: MR33-HW UNSPSC: 43222631 Contract: Connecticut Cisco NVP Data Communications (AR233 (14-19) SO-98-15)	37	4401622	$383.00	$14,171.00
Meraki Cisco Meraki Enterprise Cloud Controller License 1 Access Point Mfg. Part#: LIC-ENT-5YR UNSPSC: 43232901 Electronic distribution - NO MEDIA Contract: Connecticut Cisco NVP Data Communications (AR233 (14-19) SO-98-15)	37	2021373	$239.00	$8,843.00

PURCHASER BILLING INFO		
Billing Address: TOWN OF WATERFORD ACCOUNTS PAYABLE 15 ROPE FERRY RD WATERFORD, CT 06385-2886 **Phone:** (860) 442-0553 **Payment Terms:** Net 30 Days-Govt State/Local	SUBTOTAL	$23,014.00
	SHIPPING	$0.00
	GRAND TOTAL	**$23,014.00**
DELIVER TO	**Please remit payments to:**	
Shipping Address: TOWN OF WATERFORD 15 ROPE FERRY RD WATERFORD, CT 06385-2886 **Phone:** (860) 442-0553 **Shipping Method:** DROP SHIP-GROUND	CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	

Need Assistance? CDW•G SALES CONTACT INFORMATION

Michelle Silva | (866) 806-4758 | michsil@cdw.com

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TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY
Waterford IT Committee

CONTACT PERSON
Brett Mahoney, IT Chair

PROJECT NAME
CORE SWITCHES AND BLADES - EOC/TOWN HALL

DEPARTMENT PRIORITY
5

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

Networking equipment that ties the Town's network together. Without the equipment, the network is not functional. The current equipment is located at Town Hall and the EOC and are both approximately 10 years old and were used (BOE turnover) when installed. The switches were from Clark Lane Middle School and Waterford High School. One switch is being replaced in FY18 and the other in FY19, then double them for redundancy in FY 20. Switch technology has changed and the cost has actually gone down, as the switches and blades are now encapsulated in one unit (original 2020 request was for 27,200 in last year's Capital).

2 PROJECT STATUS IF IN PROGRESS

2/3 year project

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

All Town Departments are impacted

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

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)

See attached quote

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		12,300				
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR	12,000		22,000			
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	**12,000**	**12,300**	**22,000**	**0**	**0**	**0**

QUOTE CONFIRMATION

PEOPLE WHO GET IT

DEAR JEFF ROBILLARD,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. Click here to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
JKBM234	11/9/2017	EOC	0343169	$11,684.22

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Cisco Catalyst 9300 - Network Essentials - switch - 48 ports - managed - ra Mfg. Part#: C9300-48P-E UNSPSC: 43222612 Contract: State of Connecticut Cisco Information Processing (12PSX0431)	1	4708816	$5,254.50	$5,254.50
Cisco Catalyst 9300 Series Network Module - expansion module Mfg. Part#: C9300-NM-8X UNSPSC: 43201404 Contract: State of Connecticut Cisco Information Processing (12PSX0431)	1	4727526	$1,412.50	$1,412.50
Cisco 1100W Hot Plug/Redundant Power Supply for Catalyst 3850-48F-E Mfg. Part#: PWR-C1-1100WAC= UNSPSC: 39121004 Contract: State of Connecticut Cisco Information Processing (12PSX0431)	1	2980344	$1,073.50	$1,073.50
Cisco - SFP (mini-GBIC) transceiver module - Gigabit Ethernet Mfg. Part#: GLC-SX-MMD UNSPSC: 43201553 Contract: State of Connecticut Cisco Information Processing (12PSX0431)	6	2653504	$282.50	$1,695.00
Cisco - SFP (mini-GBIC) transceiver module - GigE Mfg. Part#: GLC-LH-SMD UNSPSC: 43201553 Contract: State of Connecticut Cisco Information Processing (12PSX0431)	4	2653513	$562.18	$2,248.72

PURCHASER BILLING INFO		
Billing Address: TOWN OF WATERFORD ACCOUNTS PAYABLE 15 ROPE FERRY RD WATERFORD, CT 06385-2886 **Phone:** (860) 442-0553 **Payment Terms:** Net 30 Days-Govt State/Local	**SUBTOTAL**	$11,684.22
	SHIPPING	$0.00
	GRAND TOTAL	**$11,684.22**
DELIVER TO	**Please remit payments to:**	

Shipping Address:	CDW Government
TOWN OF WATERFORD JEFF ROBILLARD 15 ROPE FERRY RD WATERFORD, CT 06385-2886 **Phone:** (860) 442-0553 **Shipping Method:** UPS Ground (2- 3 Day)	75 Remittance Drive Suite 1515 Chicago, IL 60675-1515

Need Assistance? CDW•G SALES CONTACT INFORMATION				
	Dan Ruggiero	|	(866) 769-8470	| danrugg@cdwg.com

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http://www.cdwg.com/content/terms-conditions/product-sales.aspx
For more information, contact a CDW account manager

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SMARTnet RENEWAL QUOTE FOR TOWN OF WATERFORD
EFFECTIVE COVERAGE CO-TERMED THROUGH NOVEMBER 15, 2018

Please Note: This Quote is valid for 30 days from the Quote Date
Quote Generated On: November 16, 2017

Quote Number: 19449736
Contract Number: NEW
8x5xNext Business Day (SNT)

[redacted] Serial Number Required Prior to Ordering

CDW
Account Manager: Dan Ruggiero
2 Corporate Drive Suite 800
Shelton, CT 6484
(203) 851-7139 phone

Site ID#	Location	Item Name	Description	Serial Number	Begin Date	End Date	Annual Cost	Prorated Cost	Discount	Discounted Cost
2000258136	WATERFORD, CT	C9300-48P-E	Catalyst 9300 48-port PoE+, Network Essentials	[redacted]	16-Nov-17	15-Nov-18	$ 586.00	$ 586.00	0%	$ 586.00
					Total:		$ 586.00	$ 586.00		$ 586.00

Site ID# 2000258136 Site Name TOWN OF WATERFORD

Address
15 ROPE FERRY RD. WATERFORD, CT, 06385

Customer is responsible to pay freight charges. Estimated or actual freight charges are not included in quotes (unless specifically stated). This quote excludes sales tax (unless specifically stated).

Acceptance of Terms and Conditions of Sales and Services

By ordering or accepting delivery of Products from Seller or by engaging Seller to perform or to procure Services on behalf of Customer, Customer thereby signifies its agreement with Seller: (i) The terms and conditions provided on this link apply: http://www.cdw.com/content/terms-conditions/default.aspx, except if there is an effective written agreement between the parties applicable to the Transaction, then the terms and conditions governing the Transaction are those contained in such effective written agreement; and (ii) that if Customer delivers or conveys to Seller by any means: (a) any additional terms or conditions; or (b) any terms or conditions that differ in any respect, material or otherwise, from those governing the Transaction, then such terms or conditions will be null and void unless accepted in a writing executed by the authorized signatories of both parties.

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford IT Committee	**CONTACT PERSON** Brett Mahoney
PROJECT NAME Switches	**DEPARTMENT PRIORITY**

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

Switches allow the transfer of information from various sites in town, managing data flow, traffic, and connectivity for computers, cameras, security systems, and telephones, and allow IT to separate and scure portions of the Town's network. Most of the current switches that are in place throughout town were donated by the school district a number of years ago. They do not support new protocols and technologies of today. Physical failures will occur as they continue to age, which will require immediate replacement instead of planning for this inevitability.

2 PROJECT STATUS IF IN PROGRESS

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)

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)

2 @ IT closet 1 @ YSB public 1@ Community Center public 1 @ Registrar 1 @ Municipal Complex 3 @ PD
1 @ YSB pub

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR					18,000	
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	0	0	0	18,000	0

QUOTE CONFIRMATION

PEOPLE WHO GET IT

DEAR ED CRANE,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. Click here to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
JJLZ687	10/29/2017	48PT SWITCHES W/SMARTNET (2)	0343169	$8,560.04

IMPORTANT - PLEASE READ

Special Instructions: TAX:MULTIPLE TAX JURISDICTIONS APPLY
TAX: CONTACT CDW FOR TAX DETAILS

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Cisco Catalyst 2960X-48FPD-L 48-Port Gigabit Ethernet Switch Mfg. Part#: WS-C2960X-48FPD-L UNSPSC: 43222612 TAX: WATERFORD, CT .0000% $.00 Contract: State of Connecticut Cisco Information Processing (12PSX0431)	2	3063408	$3,715.52	$7,431.04
Cisco SMARTnet Solution Support - extended service agreement Mfg. Part#: CON-SSSNT-WSC296XL UNSPSC: 81111812 Electronic distribution - NO MEDIA TAX: WATERFORD, CT .0000% $.00 Contract: National IPA Technology Solutions (130733)	2	4807506	$564.50	$1,129.00

PURCHASER BILLING INFO

Billing Address:
TOWN OF WATERFORD
ACCOUNTS PAYABLE
15 ROPE FERRY RD
WATERFORD, CT 06385-2886
Phone: (860) 442-0553
Payment Terms: Net 30 Days-Govt State/Local

DELIVER TO

Shipping Address:
TOWN OF WATERFORD
JEFF ROBILLARD
15 ROPE FERRY RD
WATERFORD, CT 06385-2886
Phone: (860) 442-0553
Shipping Method: FEDEX Ground

SUBTOTAL	$8,560.04
SHIPPING	$0.00
GRAND TOTAL	$8,560.04

Please remit payments to:

CDW Government
75 Remittance Drive
Suite 1515
Chicago, IL 60675-1515

Need Assistance? CDW•G SALES CONTACT INFORMATION

Michelle Silva | (866) 806-4758 | michsil@cdw.com

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QUOTE CONFIRMATION

PEOPLE WHO GET IT

DEAR ED CRANE,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. Click here to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
JJCL940	10/20/2017	TOWN SWITCH UPGRADE	0343169	$8,714.74

IMPORTANT - PLEASE READ

Special Instructions: TAX:MULTIPLE TAX JURISDICTIONS APPLY
TAX: CONTACT CDW FOR TAX DETAILS

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Cisco Catalyst 2960X-24PD-L 24-Port Gigabit Ethernet Switch Mfg. Part#: WS-C2960X-24PD-L UNSPSC: 43222612 TAX: WATERFORD, CT .0000% $.00 Contract: State of Connecticut Cisco Information Processing (12PSX0431)	2	3060015	$2,135.42	$4,270.84
Cisco Catalyst 2960L-8PS-LL - switch - 8 ports - managed - rack-mountable Mfg. Part#: WS-C2960L-8PS-LL UNSPSC: 43222612 TAX: WATERFORD, CT .0000% $.00 Contract: State of Connecticut Cisco Information Processing (12PSX0431)	2	4356592	$590.43	$1,180.86
Cisco Catalyst 2960X-24TS-L - switch - 24 ports - managed - rack-mountable Mfg. Part#: WS-C2960X-24TS-L UNSPSC: 43222612 TAX: WATERFORD, CT .0000% $.00 Contract: State of Connecticut Cisco Information Processing (12PSX0431)	2	3075318	$1,113.02	$2,226.04
Cisco SMARTnet Solution Support - extended service agreement Mfg. Part#: CON-SSSNT-WSC604DL UNSPSC: 81111812 Electronic distribution - NO MEDIA TAX: WATERFORD, CT .0000% $.00 Contract: National IPA Technology Solutions (130733)	2	4785435	$324.50	$649.00
Cisco SMARTnet Solution Support - extended service agreement Mfg. Part#: CON-SSSNT-WSC296XT UNSPSC: 81111812 Electronic distribution - NO MEDIA TAX: WATERFORD, CT .0000% $.00 Contract: National IPA Technology Solutions (130733)	2	4824158	$179.50	$359.00
NEW ITEMS DO NOT PICK THIS LINE Mfg. Part#: NEW-ITEM	1	NEW-ITEM	$29.00	$29.00

QUOTE DETAILS (CONT.)

CON-SSSNT-WSC29606
TAX: WATERFORD, CT .0000% $.00
Contract: MARKET

PURCHASER BILLING INFO		
Billing Address: TOWN OF WATERFORD ACCOUNTS PAYABLE 15 ROPE FERRY RD WATERFORD, CT 06385-2886 **Phone:** (860) 442-0553 **Payment Terms:** Net 30 Days-Govt State/Local	**SUBTOTAL**	$8,714.74
	SHIPPING	$0.00
	GRAND TOTAL	**$8,714.74**
DELIVER TO	**Please remit payments to:**	
Shipping Address: TOWN OF WATERFORD JEFF ROBILLARD 15 ROPE FERRY RD WATERFORD, CT 06385-2886 **Phone:** (860) 442-0553 **Shipping Method:** FEDEX Ground	CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	

Need Assistance? CDW•G SALES CONTACT INFORMATION

Michelle Silva | (866) 806-4758 | michsil@cdw.com

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TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford IT Committee	**CONTACT PERSON** Brett Mahoney
PROJECT NAME Phone system	**DEPARTMENT PRIORITY**

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

The Town-wide phone system was installed several years ago, and will need a software and hardware upgrade to maintain it's level of service moving forward. The Public Works complex represents a proper time to start the upgrade, as replacement equipment would be installed there and then throughout the rest of the Town as needed. This is a collaborative effort between the TOwn and BOE.

2 PROJECT STATUS IF IN PROGRESS

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)

Yearly maintenance costs may rise.

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
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						
7	Federal/State Grants (detail in section 5)						
8	Other Funding (detail in section 5 above)						
	TOTALS	0	0	0	0	0	0

Where Technology Means More™

ePlus

Services Review Document – Budget Numbers & Details





Waterford, CT

Five year budget for Voice

10/24/17

---

ePlus Account Team

ePlus Account Manager – Steve Plante

ePlus Solutions Engineer – Karl Whitson

ePlus Solutions Engineer – Joshua Tripodi

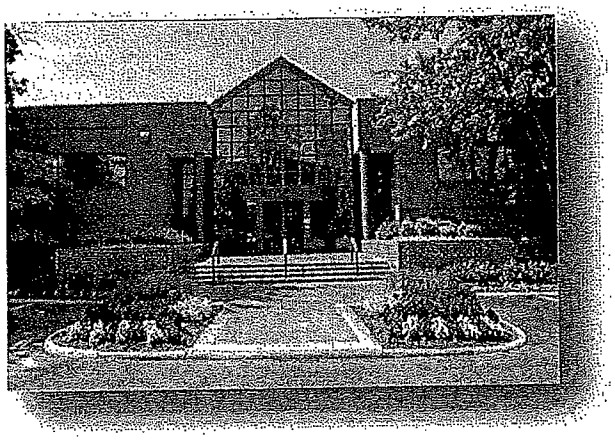
Please Note: This document is not an official ePlus Statement of Work or a legally binding contract. The purpose of this document is to provide budgetary labor pricing with a high level review of the level of effort for the customer's reference, and is subject to change based on final agreement between ePlus and customer. An official ePlus Statement of Work will need to be signed by both the customer and ePlus to constitute a formal project.

ePlus Company Information

ePlus Technology, inc. is a wholly-owned subsidiary of ePlus inc., which serves a diverse set of customers nationally and in Europe. We are a technology company that takes great pride in designing, implementing, and managing technical solutions for a diverse customer base that spans across multiple market verticals - this includes: Government and Education, Heathcare, Retail, Manufacturing, Finance, Legal, and Mid-Market. We partner with our customers to identify business challenges, then design solutions to meet their specific business needs.

Locations

National Headquarters
ePlus Technology, inc.
13595 Dulles Technology Drive
Herndon, VA 20171
www.eplus.com



New England Region Locations
Massachusetts
45 Shawmut Road
Canton, MA 02021

New Hampshire
2 Commerce Drive
Bedford, NH 03110

Rhode Island
4 Richmond Square
Providence, RI 02906

Connecticut
200 Corporate Drive
Rocky Hill, CT 06067

Where Technology Means More®

ePlus is a company where technology means more, and it is more than a tagline, it is our way of doing business.

- **Transform More** - smarter integration requires more listening, more inventive engineers, and more imagination. Every day we at ePlus hand craft agile data center and cloud solutions that deliver more.
- **Protect More** - safeguarding today's complex and rapidly changing IT environment demands more. More thinking, insight, and the tenacity to strengthen security posture.
- **Build More** - a solid IT infrastructure is the backbone of any organization's success. We deliver the best the industry has to offer for more performance, reliability, and scalability.
- **Expect More** - envisioning, designing, implementing, and managing—we offer more answers. Then we make it happen. When people ask for more, we deliver.

Our methodology involves working collaboratively with customers to align technology to the business, making it a strategic component of the organization's success.

Budget Numbers

Service (Budget)	Price	Price (Alternate)	Term
5 Year Budget for Voice	*	N/A	One Time Fixed Fee

**See cost breakdown below*

Additional Details

Project Coordination & Project Management

ePlus understands that the delivery of business outcomes is realized through the success of projects. Success is achieved through setting proper expectations, clear communications, and the reduction of risk through effective management of people, process, and tools. Knowing this, ePlus has either Project Coordination or Project Management included in all its service engagements.

Project Coordination is utilized when the management requirements for a project are minimal. The expectation is that resource coordination and financial invoicing will occur, but no advanced project management tasks are undertaken.

Project Management is included in any project where, in addition to resource coordination and financial invoicing, more advanced project management task are required. Examples of these advanced tasks include: creation of a project portal, development of a project plan, multiple project status meetings need to be conducted, project includes multiple advanced technologies, etc.

Five year budget for Voice - High Level Scope Details & Notes

TOWN HALL

- **UC Upgrade #1 - 2018**
  - Kickoff meetings
  - Planning and Design
  - Upgrade 3 CUCMs
  - Upgrade 2 CUCs
  - Upgrade 2 CERs
  - Upgrade Informacast
  - Testing and documentation
    - **Cost: $13,750.00**

- **Town Phone Replacements – 2018 (7902 phones need to be replaced before upgrade to 11.5)**
  - Kickoff meetings
  - Replace phones using Unified FX software.
  - Testing and documentation
    - **Cost: $7,000.00**

- **UC Upgrade #2 – 2020**
  - Kickoff meetings
  - Planning and Design
  - Upgrade 3 CUCMs
  - Upgrade 2 CUCs
  - Upgrade 2 CERs
  - Upgrade Informacast
  - Testing and documentation
    - **Cost: $15,750.00**

- **Town Switch Replacements – 2020 (End of Support – 11/30/2020)**
  - Kickoff meetings
  - Replace 11 switches and complete wiring.
  - Testing and documentation
    - **Cost: $15,750.00**

- **Town Server Replacement – 2021 (End of Support - 10/31/21)**
  - Kickoff meetings
  - Rack, stack, cable and power on 2 BE6Ks, configure CIMC and ESXi.
  - vMotion virtual servers from old hardware to new hardware.
  - Testing and documentation
    - **Cost: $11,000.00**

- **UC Upgrade #3 – 2022**
  - Kickoff meetings
  - Planning and Design
  - Upgrade 3 CUCMs
  - Upgrade 2 CUCs
  - Upgrade 2 CERs
  - Upgrade Informacast
  - Testing and documentation
    - **Cost: $17,750.00**

- **Town Router Replacements – 2022 (End of Support – 12/31/22) *NOTE: BOE has a 2851 that was End of Support – 10/31/2016**
  - Kickoff meetings
  - Replace 7 routers/Voice Gateways and complete wiring.
  - Testing and documentation
    - **Cost: $11,500.00**

BOARD OF EDUCATION (Dates to be discussed with Ed Crane)

- **BOE Server Replacement**
  - Kickoff meetings
  - Rack, stack, cable and power on 1 BE6K, configure CIMC and ESXi.
  - vMotion virtual servers from old hardware to new hardware.
  - Testing and documentation
    - **Cost: $5,750.00**

- **BOE Router Replacements**
  - Kickoff meetings
  - Replace 6 routers/Voice Gateways and complete wiring.
  - Testing and documentation
    - **Cost: $9,250.00**

- **BOE Phone Replacements**
  - Kickoff meetings
  - Replace phones using Unified FX software.
  - Testing and documentation
    - **Cost: $9,250.00**

- **BOE Switch Replacements** ***(ESTIMATED number of switches, to be confirmed by Ed Crane)***
  - Kickoff meetings
  - Replace 10 switches and complete wiring.
  - Testing and documentation
    - **Cost: $13,500.00**

ASSUMPTIONS: All vendor support contracts are in place in order to upgrade software.

ePlus Managed Services – High Level Details of Service

The objective of ePlus MSC's (Managed Service Center) MANAGE level of Service is to proactively monitor and manage contracted entities against fault and performance criteria, on a 24x7x365 basis. The service provides a structured methodology for implementing changes within the environment and recommendations on improving the overall functionality of the managed entities. The service consists of the following service components:

- Incident Monitoring
- Availability Monitoring
- Performance Reporting
- Incident Management
- Problem Management
- Patch Management
- Change Management
- Capacity Management
- Circuit Management
- Service Business Reviews

Overview of ePlus' Managed Service Center

- 15,000 + devices under contract
- 66,000+ ports in-system
- 34,000 + Active Ports Proactively Monitored and Managed
- Over 130 Managed Services clients
- East and West Managed Services Centers (Irvine, CA / Pottstown, PA / Raleigh, NC)

Independently Certified by Cisco and SAS

- SAS70/SSAE 16 Type II Certified
- Cisco Master Managed Services Certified Partner (MSCP)
- ITIL-based IT Services Management
- Criminal Justice Information Services (CJIS) Compliant

Flexible Options to Meet Your Unique Needs

- Strategic alignment with your technology partners
- Quarterly Service Business Reviews (SBRs) and Quarterly Business Reports (QBRs) to identify potential issues before they become problems
- Change Request hours allocated per month (MACs)

Technical Approach

- Monitoring & Alerting – ePlus utilizes agentless, enterprise-class monitoring tools to gather device performance data, establish baseline thresholds, and to detect and alert upon event detection.
  - Managed components will be monitored 24 hours per day, 365 days per year.
  - Additional tools, specific to contracted devices may be leveraged to gain insight into device performance and fault detection, as well as gathering network device configuration backups.

- Monitoring & Alerting Access – ePlus provide secure and isolated portal access into our enterprise-class monitoring platform to all Managed Services clients. The portal will provide visibility to the overall health of your devices in your environment. The portal provides comprehensive dashboards, network metrics, interface utilization, network latency, errors, discards, inventory of your entire network and much more. The solution also builds a topology map of connected devices and gathers performance statistics about each. A single central view into your entire infrastructure, with comprehensive trend graphics and detailed reporting of usage and metrics, gives real-time insight that keeps you in total control of your network, end-to-end.

- Incident Response – Incident management is the process the MSC uses to resolve real-time incidents. The goal of Incident management is to manage the outage to restoration of normal service operations with minimal disruption to the business and to strive to meet the availability and satisfaction requirements. The incident management processes include multiple levels of support provided by industry-certified engineers with the MSC. The MSC will work with the customer to restore the managed device to its normal operational state;

this includes working with providers and manufacturers on behalf of the Customer. It also includes creating, maintaining, and publishing documents that indicate the incident status through the resolution and closure process.

- **Notification** – Notification is provided via email and/or phone call on validated events via the prescribed escalation procedures.

- **Priorities** – Tickets will be worked in order of priority. Priorities are established by the MSC on a per-ticket basis depending on a variety of factors including: severity, scope of impact, and Service Level Agreements (SLAs).

- **Resolution** – After the incident has been isolated, the MSC will work to resolve the incident. The resolution process includes actions taken by the MSC to restore functionality or implement a workaround. The MSC may incorporate work-around solutions to restore substantial or partial functionality. In this case, the incident will remain open until fully resolved. If a change is required to resolve an issue or implement a work around, the MSC will refer to the change management (CM) process.

- **Configuration Management** – ePlus leverages Cisco Network Configuration and Change Management (NCCM) to maintain version controls and backups. ePlus stores one year's worth of configuration changes and backups.

ePlus Managed Security Services – High Level Details of Service

Network security and firewalls are no longer checkbox items. It is not sufficient to only know whether your firewall hardware is up and operational. It is critical to understand what information is traversing the network, which means reviewing network logs and correlating to relevant events.

ePlus "Co-Managed" Managed Security Services provides the following:

- Security Information Event Monitoring
- ProVision Web Customer Portal
- Reporting
- Alerting
- 24x7x365 Analysis
- Notification & Escalation
- Incident Remediation
- Change Requests
- System Upgrades
  - This is inclusive of upgrades that can be performed remotely, usually minor or dot release upgrades. If there is risk to the system or it needs a reboot and therefore requires onsite attendance, then this would be excluded from the service and would be a chargeable activity.
- System Configuration Backup
  - This is dependent on the specific customer technology. ePlus will work with the customer regarding how to handle backups
- Full read/write access to infrastructure
- Log Archiving (optional)

ePlus Technology – Keep Us In Mind

When undertaking your next project, please keep in mind we at ePlus are experts in the most critical technologies that run our customer's business. We can design, implement, and manage using the ePlus methodology —below are other areas where we can assist you and add value to your organization:

Cloud & Datacenter

- New Datacenter Builds
- Hyper converged Infrastructure
- Moving to Cloud Services
- Virtualization Projects
- Structured Cabling
- Disaster Recovery & Business Continuity Projects
- UPS Management & Replacement Programs
- Datacenter Moves

Security

- Next Generation Firewalls
- Network Access Control
- End Point Protection
- IT Asset Disposal for Compliance
- Security Audits & Compliance Requirements
- Privileged Account Management
- Mobility Projects with Secure Remote Access
- Cyber Security program

Collaboration

- Voice Over IP Projects
- Unified Communications
- Fax Over IP
- Call Accounting
- Call Center Solutions
- Call Recording
- E911 Initiatives
- Paging & Notification Systems

Infrastructure

- New Building Projects
- Switch & Route Projects
- Wireless Deployments
- WAN Optimization
- Mobility Projects for Remote Workers
- Software Defined WAN
- Load Balancers
- UPS Replacement

We at ePlus pride ourselves on being as creative as possible when working to address our customers' needs, regardless of the project. If you are looking to undertake a project that may not be listed above, please reach out to us to discuss how we may be able to work together to craft a solution that fits your specific needs.

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY
Waterford IT Committee

CONTACT PERSON
Brett Mahoney, IT Chair

PROJECT NAME
VMWare (Virtual Server)

DEPARTMENT PRIORITY
5

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

VMWare is currently in place in Town which allows server flexibility and more economic use of the Town's server array. VMWare encapsulates multiple servers in one location, saving the Town licensing for physical servers and increases efficiency. This quote will re-do the existing VMWare currently in place and upgrade it for the future.

2 PROJECT STATUS IF IN PROGRESS

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

All Town Departments are impacted

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

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)

See attached quote

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR						48,400
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**	**0**	**0**	**0**	**0**	**48,400**

Quote

Consolidated Computing, Inc
380 Morehouse Road
Easton, CT 06612
203-268-3455

CONSOLIDATED COMPUTING, INC.
"Doing More with Less Infrastructure"

Date	Quote #
10/12/2017	6172

Name / Address	Ship To
Town of Waterford Attn: Accounts Payable 15 Rope Ferry Rd Waterford, CT 06385	Town of Waterford Attn: Ed Crane 20 Rope Ferry Rd Waterford, CT 06385

Pricing valid for 30 days from estimate date

Terms: Due upon receipt

Item	Description	Qty	Price per ...	Total
	HP DL380 G10 Server - GPU Ready, each with: Dual 2.4GHz 10 Core processors, 512 GB memory, Dual port HBA, Dual 10GBE adapter, Dual SD Flash, Dual Power. 5 Year 24 X 7 Hardware Support			
868703-B21	HPE DL380 Gen10 8SFF CTO Server	1	1,993.36	1,993.36T
876562-L21	HPE DL380 Gen10 5115 Xeon-G 2.4GHz, 10 core FIO Kit	1	1,722.97	1,722.97T
876562-B21	HPE DL380 Gen10 5115 Xeon-G 2.4GHz, 10 core FIO Kit	1	1,802.48	1,802.48T
826706-B21	HPE DL380 Gen10 High Performance Heatsink Kit	1	131.82	131.82T
815100-B21	HPE 32GB 2Rx4 PC4-2666V-R Smart Kit	16	792.935	12,686.96T
871674-B21	HPE DL38X Gen10 x16 x16 Riser FIO	1	38.22	38.22T
826700-B21	HPE DL380 Gen10 Tertiary x16 Riser	1	108.42	108.42T
826704-B21	HPE DL Gen10 x16 x16 GPU Riser Kit	1	100.62	100.62T
727054-B21	HPE Ethernet 10Gb 2-port 562FLR-SFP+Adapter	1	529.62	529.62T
733660-B21	HPQ 2U SMALL FORM FACTOR EASY INSTALL RAIL KIT	1	78.00	78.00T
726116-B21	HP 8GB microSD EM Flash Media Kit	1	61.62	61.62T
P9D94A	HPE SN1100Q 16Gb 2p FC HBA	1	1,957.77	1,957.77T
871828-B21	HPE DL380 Gen10 8P Cable Kit	1	22.62	22.62T
830272-B21	HPE 1600W FS Plat Ht Plg LH Pwr Supply Kit	2	373.62	747.24T
867810-B21	HPE DL38X Gen10 High Performance Fan	1	186.42	186.42T
H7J34A5 WAH	HPE 5Y Foundation Care 24x7 Service DL380 Gen10 Support	1	4,347.07	4,347.07T
HZ7-ENN-10-C	VMware Horizon 7 Enterprise : 10 Pack (Named Users)	5	3,500.00	17,500.00T
HZ7-ENN-10-P-SSS-C	Production Support/Subscription for VMware Horizon 7 Enterprise : 10 Pack (Named Users) for 1 year	5	875.00	4,375.00T
	Sales Tax Non Taxable - Exempt		0.00%	0.00

If you have any questions please contact:
Don Hanson 203-268-3455
donhanson@consolidatedcomputing.com

Total $48,390.21

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford IT Committee	**CONTACT PERSON** Brett Mahoney
PROJECT NAME SAN (Storage Area Network)	**DEPARTMENT PRIORITY**

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

A "Storage Area Network" or SAN, allows the storage of consolidated block level data, and enhances our current level of storage, moving our storage ability forward for several years. This is the main storage for the Town's computer data.

2 PROJECT STATUS IF IN PROGRESS

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)

The current SAN is entering it's fourth year, and its first of yearly required maintenance, which costs $14,000 per year, estimated for three more years. The company we bought the current SAN from has a promotion that allows for the purchase of a new SAN for $42,000, which includes three years of support, ultimately "saving" the Town $10,000 and installing new equipment.

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital	42,000					
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	42,000	0	0	0	0	0

Quote

Consolidated Computing, Inc
380 Morehouse Road
Easton, CT 06612
203-268-3455

CONSOLIDATED COMPUTING, INC.
"Doing More with Less Infrastructure"

Date	Quote #
10/27/2017	6203

Name / Address	Ship To
Town of Waterford Attn: Accounts Payable 15 Rope Ferry Rd Waterford, CT 06385	Town of Waterford Attn: Ed Crane 20 Rope Ferry Rd Waterford, CT 06385

Pricing valid for 30 days from estimate date

Terms: Due upon receipt

Item	Description	Qty	Price per ...	Total
FA-405-5.5TB,3YR,ADV	3 Year Advanced Maintenance and Support	1	42,000.00	42,000.00T
	Forever Flash 3 Years in Advance, free Controller upgrade Sales Tax Non Taxable - Exempt		0.00%	0.00

If you have any questions please contact:
Don Hanson 203-268-3455
donhanson@consolidatedcomputing.com

Total $42,000.00

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford IT Committee	**CONTACT PERSON** Brett Mahoney
PROJECT NAME Fiber Upgrade	**DEPARTMENT PRIORITY**

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

Fiber running between the Town Hall, Community Center, PD, EOC, Library and WYSB Fiber upgrade. Current fiber in this area is "multi-mode" which allows about 100 meg speed, would increase to 10 gig speed after bringing the fiber up to date. Allows for increased speed, data transfer, etc.

2 PROJECT STATUS IF IN PROGRESS

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)

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)

Attached

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR			7,000	7,000	7,000	7,000
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	0	7,000	7,000	7,000	28,000

Northeastern
Communications & Electrical LLC

896 Bear Hill Rd. Middletown, CT 06457
CT Lic # 184517
Phone (860) 343-9797 | Fax (860) 788-2635
www.northeastcne.com

Town of Waterford
15 Rope Ferry Rd.
Waterford, CT 06385

Quote # B-17-0367

Attn.: **Ed Crane**
Director of Information Technology
(860) 625-5764
ecrane@waterfordschools.org

Re: **Single-mode (OS2) Optical Fiber Backbone (OSP) | "Budgetary" Price Quote**

Northeastern Communications & Electrical LLC is pleased to provide a quote for the above-mentioned project.

Please Note: *This is a "Budgetary" price quote. This "Budgetary" price quote is based on installing the optical fiber cables in existing underground duct structures that are "free & clear", and of sufficient size and design the accommodate the cables being installed. A final/firm price quote will be provided after the Town of Waterford provides engineered drawing(s) detailing the underground duct structures locations and access points, or Northeastern Communications & Electrical LLC is contracted to "rod & rope" the underground duct structures to identify the duct structures location and access points.*

SCOPE OF WORK

Outside Plant:

For the optical fiber plant, Northeastern Communications & Electrical LLC will supply and install the following:

-RESTRICTED-PROPRIETARY INFORMATION-
The information contained herein is for use by authorized employees of the parties hereto only and is not for general distribution within or outside their respective Companies

1. **1:** 24-strand Single-mode (OS2) ALTOS Loose Tube, Gel-Free, All--Dielectric optical fiber cable. This cable will be placed in an existing underground conduit and run:

   To: EOC
   From: Town Hall

---

2. **3:** 12-strand Single-mode (OS2) ALTOS Loose Tube, Gel-Free, All--Dielectric optical fiber cables. These cables will be placed in existing underground conduits and run:

   To: Library
   From: Town Hall

   To: Community Center
   From: Town Hall

   To: Police (PD)
   From: EOC

---

3. **1:** 6-strand Single-mode (OS2) ALTOS Loose Tube, Gel-Free, All--Dielectric optical fiber cable. This cable will be placed in an existing underground conduit and run:

   To: Youth Services Bureau (YSB)
   From: EOC

---

4. Each strand of Single-mode fiber optic cable will terminate with an "LC" type connector and connect to its own fiber optic coupler. These couplers will be installed in an equipment rack mounted fiber optic patch panel at each end.

5. All optical fiber cables and terminations will be labeled to identify their quantity, type, and the "to" and "from" locations. Labeling will be done in a professional manner with printed labels and fiber-optic yellow cable tags.

6. A fifty-foot maintenance loop will be left and neatly stored at each end of the cable run.

7. Included with the installation are:
   2: 2U Fiber Optic Patch panel (Town Hall | EOC)
   4: 1U Fiber Optic Patch Panels (Library | Com. Ctr. | PD | YSB)
   10: 12-port OS2 "LC" Coupler Panels
   2: 6-port OS2 "LC" Coupler Panels

-RESTRICTED-PROPRIETARY INFORMATION-
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Identification / Labeling:

1. Labeling will be done in a professional manner with (black on white, large font) printed labels.

Testing:

1. All Single-mode optical fiber strands will be tested using a power meter in one direction at 1310nm & 1550nm. No loss will exceed the sum of .75db per mated connector plus .3db per splice plus the calculated cable length attenuation.

Standards:

1. This Scope of Work provides for the described work to be done in compliance with NFPA-70 (National Electrical Code), unless otherwise directed or prohibited, all applicable Telecommunications Industry Standards, and specifications presented by the customer at the time of bid.

Warranty:

1. A one-year warranty against defect with the described installation is included with the Northeastern Communications & Electrical LLC Structured Cabling Solution. Northeastern Communications & Electrical LLC warrants that for a period of one year from the system cut over date, the described work under normal use and service will be free from defects and faulty workmanship.
2. CORNING OPTICAL COMMUNICATIONS 25-YEAR EXTENDED PRODUCT WARRANTY – Corning, together with its network of preferred installer members (NPI), commits to repair or provide replacement for nonconforming products free of charge during the **25 year extended warranty** period, subject to the terms and conditions of Corning's network of preferred installers program.

"Budgetary" Price:

Labor $17,160.00
Material.....$8,356.28
Total.....$25,516.28
(Plus 6.35% CT sales tax, if applicable)

The price provided in this Scope of Work is valid for a period of sixty (60) days

The labor price is based on standard NON-PREVAILING wage rates.

Terms
Net 30
½ payment due upon bid acceptance
½ payment due upon project completion & test results

-RESTRICTED-PROPRIETARY INFORMATION-
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Assumptions / Qualifiers:

1. The Northeastern Communications & Electrical LLC normal business hours are Monday through Friday 8:00 AM to 5:00 PM. This Scope of Work is based on all work being performed during normal business hours. The requiring of work to be preformed outside of this schedule or a shorter installation interval, causing work to be performed on "over-time" will be an additional cost to the customer and requires prior approval.
2. This Scope of Work does not include the cost of pulling a permit, if applicable.
3. Northeastern Communications & Electrical LLC assumes there are no abnormal environmental or hazardous conditions on the customer's premise which would require extraordinary safety and/or regulatory functions, activities, permits or certifications for Northeastern Communications & Electrical LLC to perform the required work.
4. This Scope of Work assumes that the customer will provide free and ready access to all work locations. Including, but not limited to, rooms, floors, ceiling spaces, and manholes.
5. All required moving of furniture, file cabinets, desks, and equipment will be the responsibility of others.
6. This Scope of Work assumes that the installation of all plywood backboards will be the responsibility of others and are not included in this proposal.
7. Northeastern Communications & Electrical LLC assumes no delays. Inaccessibility to the work areas may require additional man-hours charged to the customer.
8. This Scope of Work assumes that the installation of all cable tray, conduits, sleeves, Tele/power poles, and core boring not before mentioned, will be the responsibility of others and are not included in this proposal. It also assumes that they will be of sufficient size and design to accommodate all cables to be installed and properly fire-safed.
9. This Scope of Work assumes that prior to the start of work all conduits will have pull strings installed by others and are not included with this proposal.
10. Alterations or deviations, if any, from the above scope of work, or any delays or postponements of the work by the Customer or its agents which result in additional materials or labor costs, will become an extra charge which will be billed as an addition to this proposal amount. Any extra move on or off the job site due to circumstances beyond our control will be billed as an extra at hourly labor and equipment rates in effect at the time.

-RESTRICTED-PROPRIETARY INFORMATION-
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TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford IT Committee	**CONTACT PERSON** Brett Mahoney
PROJECT NAME Meraki	**DEPARTMENT PRIORITY**

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

The Town wide wifi is in the third and final phase of being installed. In five years the hardware and licensing for this project will need to be upgraded.

2 PROJECT STATUS IF IN PROGRESS

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)

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR						23,014
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	0	0	0	0	23,014

QUOTE CONFIRMATION

PEOPLE WHO GET IT

DEAR ED CRANE,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. Click here to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
JJLZ684	10/29/2017	WAP REPLACE TH,CC,YSB,EOC	0343169	$23,014.00

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Cisco Meraki MR33 Cloud Managed - wireless access point Mfg. Part#: MR33-HW UNSPSC: 43222631 Contract: Connecticut Cisco NVP Data Communications (AR233 (14-19) SO-98-15)	37	4401622	$383.00	$14,171.00
Meraki Cisco Meraki Enterprise Cloud Controller License 1 Access Point Mfg. Part#: LIC-ENT-5YR UNSPSC: 43232901 Electronic distribution - NO MEDIA Contract: Connecticut Cisco NVP Data Communications (AR233 (14-19) SO-98-15)	37	2021373	$239.00	$8,843.00

PURCHASER BILLING INFO		
Billing Address: TOWN OF WATERFORD ACCOUNTS PAYABLE 15 ROPE FERRY RD WATERFORD, CT 06385-2886 **Phone:** (860) 442-0553 **Payment Terms:** Net 30 Days-Govt State/Local	SUBTOTAL	$23,014.00
	SHIPPING	$0.00
	GRAND TOTAL	$23,014.00
DELIVER TO	**Please remit payments to:**	
Shipping Address: TOWN OF WATERFORD 15 ROPE FERRY RD WATERFORD, CT 06385-2886 **Phone:** (860) 442-0553 **Shipping Method:** DROP SHIP-GROUND	CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	

Need Assistance? CDW•G SALES CONTACT INFORMATION

Michelle Silva | (866) 806-4758 | michsil@cdw.com

This quote is subject to CDW's Terms and Conditions of Sales and Service Projects at http://www.cdwg.com/content/terms-conditions/product-sales.aspx
For more information, contact a CDW account manager

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TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford IT Committee	**CONTACT PERSON** Brett Mahoney
PROJECT NAME Town Wide camera system	**DEPARTMENT PRIORITY**

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

Cameras through Town will help agencies plan for issues in varied incidents. The First Selectman, BOE, PW and Youth/Senior Services can monitor conditions for school cancelation, plow routes, and other needs. Emergency Services can monitor traffic and criminal incidents, and replay traffic crashes. EM can monitor storm damage, flooding and wires down, etc. All cameras can be monitored live via phone, and videos can be saved for potential litigation issues should they arise. 2020 - three radio tower sites, fixed cameras at Parkways/Cross Road and the controller/head unit with 30 days of storage. 2021- two tower sites, 2 years worth of storage, and start a buildout of 25 camera sites in subsequent years. Approx 25k per radio tower site, 7k per fixed site.

2 PROJECT STATUS IF IN PROGRESS

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)

The type of cameras requested come with a $900/year software and maintenance package.

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR			95,000	97,200	77,000	77,000
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	0	95,000	97,200	77,000	77,000

New England
Traffic Solutions

160 Oak St. Unit 410 Glastonbury, CT. 06033
860-633-1768; 860-633-1796fax

Budgetary Wireless intersection Cameras

- Route 85/395 -Cam #20 (Fargo)
- Route 85/Cross Road -Cam#18 (Fargo)
- Route 85 at I-95 -Cam#19 (Cohanzie)
- Cross Road at I-95 -Cam#17 (Fargo)

For 4 sites above with wireless and 3 cameras at each site 1 PTZ and 2 Fixed at camera site
$81,200.00

Site survey per camera location $1,500.00 X 4
Site survey per Tower location $1,500.00 X 2
Wireless equipment per Tower location: $10,000.00 X 2 The Tower equipment at (Cohanzie) will pick up 3 more camera sites
Wireless equipment per Camera locations: $3,800.00 x 4
CCTV Pan Tilt zoom camera $1,600.00 X 4
CCTV Fixed camera $750.00 X 8
Mounts and cable per camera $450.00 X 12
Mounts and Cable per Tower site $1,000.00 X 2
Labor per Camera Site $1,800.00 X 4
Labor per Tower site $5,000.00 X 2

Site survey Visual Line of site
Site survey Wireless
On site to access the towers and camera locations, sniff the area for wireless channels to determine best unlicensed frequency to use includes and wireless design.

Site survey per camera location $1,500.00
Site survey per Tower location $1,500.00

Wireless equipment per Tower location: $10,000.00
Wireless equipment per Camera locations: $3,800.00

CCTV Pan Tilt zoom camera $1,600.00
CCTV Fixed camera $750.00
Mounts and cable per camera $450.00
Mounts and Cable per Tower site $1,000.00

Labor per Camera Site $1,800.00
Labor per Tower site $5,000.00

Above numbers are estimates

Claudio Vecchiarino (Cell 860-798-4769)

MECTRON
SECURITY DISTRIBUTORS

New England
Traffic Solutions

Date
November 21st 2017 Quote # MQ17 0012

Expiration Date: 11/21/2017 **FROM: William Palko**

CUSTOMER: Town of Waterford CT
Emergency Management Division
Waterford CT

Attention: Chief of Police Brett Mahoney

Reference: Town Traffic Surveillance System - VMS Surveillance Head end Equipment and Software

SCOPE: Provide Local Network Surveillance system VMS for Base System
Mectron will provide a turnkey VMS system sever Installed to capture general High Definition Video surveillance for the areas as discussed during our November 21st 2017 review.

Hardware and Software License for recording and control of approximately (25) Surveillance Cameras located on (4) Radio Towers local. Surveillance cameras (detailed separately in previous budget Proposal)

Equipment will be connected at the centrally located in the Emergency Operations building to an existing local fiber town network (furnished by other). Local Server was noted as capable of expansion of up to (50) requested cameras. Base Storage is based upon 30 days at 50% motion on average 15 Frames Per Second at 3MP resolution average. *Supplementation of long term storage may increase base storage resolution and FPS

EXCLUSIONS:
Field hardware and cameras, Server Storage Expansion from base 30 days*, License plate recognition Software, Network hardware outside of the proposed equipment, labor to configure the owner's network hardware for remote access, UPS Power, 120VAC power, Permits or local fees if applicable.

MATERIALS

Quantity 1 PART # NVR-R-1-1-36TB
Dell® R530, Single Xeon Processor, 8 GB of RAM, Dual 1 GB Ethernet Ports, Windows 10 Pro 64bit, Support for up to (2) 3.5 drives, 36TB Storage, DVD-RW Drive, Keyboard and Mouse, No Audio, Rails. NVR price includes 3 year hardware limited warranty
Quantity 50 PART # IPSVC-CUP-UL
Competitive Upgrade IPSVC Camera Software for (1) camera per server: Includes unlimited SUP (Software Upgrade Program) for all updates and major software releases.

PRICING
Materials noted above including all necessary Standard cable, connector, mounting hardware
15,480.00 (Fifteen Thousand Four Hundred Eighty Dollars)

MECTRON SECURITY DISTRIBUTORS

New England Traffic Solutions

Date
November 21st 2017

Quote # MQ17 0012

Professional Services Installation Labor and Materials as Noted for each of the locations noted:
Technical labor to Configure Setup System, train owner, Warranty Labor for 1 Year

Additional Product Support Cost: Provide additional (13) Camera Licenses Milestone Professional CL
$1,850.00 (One Thousand Eight Hundred Fifty Dollars)

Total Base Project Cost: $17,330.00 (Seventeen Thousand Three Hundred Thirty Dollars)

***OPTIONAL COSTS:**
Provide in Addition to 30 Days of Storage provide 2 Years Storage for 48 Channels of Recording on a single enterprise server up to 7 Frames Per Second 1080p (See Separate proposal Pro-active)

ACCEPTANCE

In accepting this Proposal, customer agrees to our terms and conditions mentioned and or attached to this Proposal. It is understood that these terms shall prevail over those of any subsequent purchase orders.

Individual/Company: _____ **Signature:** _____

Print Name: _____

Date: _____

MECTRON SECURITY DISTRIBUTORS

New England Traffic Solutions

Date
November 21st 2017

Quote # MQ17 0012

MECTRON Professional Support Services

Free Telephone Technical Support 9am to 5pm Mon thru Friday, *Online Support, **Pre -Project Programming and Configuration, and Design assistance thru our sales support and engineering team, Training and Documentation, 90 day Field Warranty assistance, Manufactures warranty as applied typically a Minimum of 2-3 years> Labor Beyond the 1 Year warranty will be billed at the current MECTRON Rate

*Customer must provide access to Teamviewer software ** Pre-Project support is based upon a signed purchase order and or agreed project terms and Conditions with MECTRON prior to assistance.

MECTRON Distribution Terms and Conditions

1. Payment Terms.

a. Payment terms are Net 30 days from invoice date. Late payments will bear interest at a rate of one and one half (1.5%) per month or the highest rate permitted by applicable law, whichever is greater, from the date payment is due, plus the costs of collection including without limitation, reasonable attorney's or agency's fees, court costs and other expenses incurred. Seller may suspend shipping material and Equipment and/or installation and/or training if your account is more than thirty (30) days past due.

b. Notwithstanding the above, and in addition thereto, you shall be responsible for the payment of (a) shipping and delivery charges; (b) charges (at Seller's then current labor and materials rates) for the performance of any Work authorized by you outside the scope of (i) the Work under this Agreement, (ii) Seller's obligations under this Agreement; (iii) the Limited Warranty, and (c) changes in the quantities of Equipment or materials; c) payment and performance bond, if required, and (d) all taxes and government charges imposed associated with the Work, including without limitation, licenses, permits, and code compliance.

2. Warranty and Disclaimer

Seller warrants that the services provided hereunder will be performed in accordance with generally accepted industry standards and practices by competent personnel. In the event that any services fail to comply with the foregoing standard within a one (1) year period from the date such services are completed, Seller will, at its option, provided it is promptly notified in writing upon the discovery of such failure, either re-perform such non-complying services at no additional charge or refund to Customer all fees theretofore paid by Customer with respect to such non-complying services. The foregoing remedies are the exclusive remedies for any breach of Seller's services warranty.

Seller warrants that any products supplied in connection with its services shall be free from defects in workmanship or material for a period of one (1) year from the date of delivery (the "Warranty Period"). During the Warranty Period, provided Seller is promptly notified in writing upon the discovery of any defect in workmanship or material and further provided that all costs of returning the defective products to Seller are pre-paid by Customer, Seller agrees to, at Seller's option, either repair or replace defective products, or refund Customer's fees paid for such products. Seller's sole liability with respect to equipment, materials, parts or software furnished to Customer by third party suppliers shall be limited to the assignment by Seller to Customer of any such third party supplier's warranty; to the extent the same is assignable. The foregoing remedies are the exclusive remedies for any breach of Seller's products warranty. In no event shall Seller have any obligation to make repairs, replacements or corrections required, in whole or in part, as the result of (i) normal wear and tear, (ii) accident, disaster or other event beyond the reasonable control or fault of Seller, (iii) misuse, fault or negligence of or by Customer, (iv) use of the products in a manner for which they were not designed, (v) causes external to the products such as, but not limited to, power failure or electrical power surges or (vi) use of the products in combination with equipment or software not supplied by the Company. Any installation, maintenance, repair, service, relocation or alteration to or of, or other tampering with, the products performed by any person or entity other than Seller without Seller's prior written approval, or any use of replacement parts not supplied by Seller, shall immediately void and cancel all warranties with respect to the affected products.

THE FOREGOING WARRANTIES ARE THE SOLE AND EXCLUSIVE WARRANTIES GIVEN BY SELLER IN CONNECTION WITH THE SERVICES PERFORMED AND PRODUCTS PROVIDED HEREUNDER, AND ARE IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, WHICH ARE HEREBY DISCLAIMED AND EXCLUDED BY SELLER, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE.

MECTRON
SECURITY DISTRIBUTORS

New England
Traffic Solutions

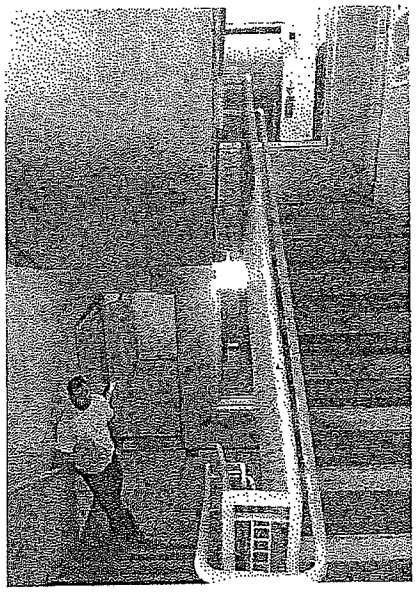
Date
November 21st 2017

Quote # MQ17 0012

DISPLAY/ IMAGE REFERENCES



GENERAL SITE VIEW



GENERAL STAIRWELL VIEW

MECTRON
SECURITY DISTRIBUTORS

New England
Traffic Solutions

Date October 24th 2017 Quote # MQ17 0017

Expiration Date: 11/21/2017 **FROM: William Palko**

CUSTOMER: Town of Waterford CT
Emergency Management Division
Waterford CT

Attention: Chief of Police Brett Mahoney

Reference: Town Traffic Surveillance System - VMS Surveillance Long Term Storage 2 Years 7fps 1080p

Every CCTV system is subject to missing data that was overwritten when it's needed. Data is usually overwritten after just a few weeks. The legal system has several years to file claims, and lawyers are not in any rush to lose their cases. They know that video data often reveals the truth. So, the longer they wait to file their case, the better their chances are of prevailing in court. Leading causes for this are: equipment malfunction, power anomalies, vandalism and outright theft of the recording device. Every CCTV dealer has frustrated clients that were unable to retrieve data to prove a legal case.

Without these recordings, the end user cannot pursue historical data of great importance to their business or organization. ProActive offers services that are revolutionizing the surveillance industry in technical stability and oversight of technology with two key platforms: VAULT DATA STORAGE and PULSE MONITORING. There is no other competitor coming even close to what ProActive is offering in price and in solution. ProActive has a pending patent on their process. They are innovating the way businesses approach storing security information at a fraction of the cost of other competitors out on the market. Clients save money while getting pertinent technology that will enhance the security of their business. Every CCTV system is under the same threat of not delivering data when needed.

Features

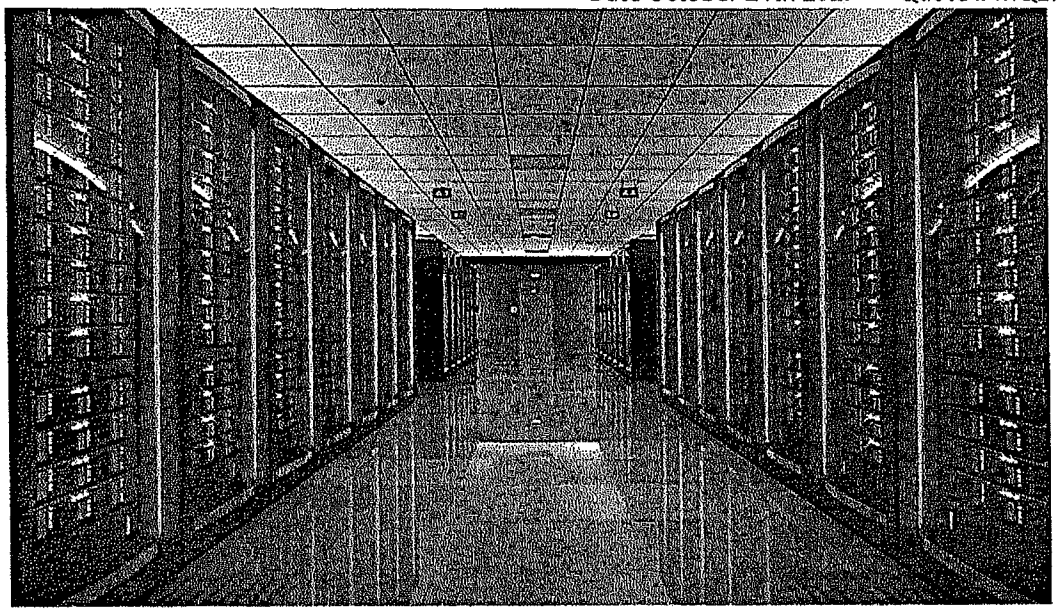
System Failure Alerts
Filtered health monitoring, alerting you when there is a problem, without the flooding of your email.
Triple Level Redundancy
DVR/NVR Storage, Local Compression Server, And Cloud 256 A.E.S. Encryption
At rest and transfer. Your data is SECURE Customization
Storage designed to meet the needs of your clients. For on and offsite storage, the options are. 3-month, 6-month, 1 year, 2-year 3 year, Each system is designed to order, based on client needs.

Minimum Bandwidth Requirements .7 mps upload speed required per 16 cameras at 1080p.
Compatibility Using the rstp (real time streaming protocol) has allowed us to be compatible with all technologies.

MECTRON
SECURITY DISTRIBUTORS

New England
Traffic Solutions

Date October 24th 2017 Quote # MQ17 0017



Vault Data Storage

This innovative data storage solution is changing the face of archiving security surveillance data. No longer will companies have to worry about their security system's data being overwritten due to lack of space. Vault Data offers up to 3 years of space on ProActive's external hard drive and unlimited space via the cloud.

MECTRON
SECURITY DISTRIBUTORS

New England
Traffic Solutions

Date October 24th 2017 Quote # MQ17 0017

Products	Qty	Unit Price	Amount
Subscription			
[SMA] Software Maintenance Agreement **Please Note: This Agreement is for Onsite Storage only and covers all remote maintenance and software updates.** **This is agreement is paid annually.**	**1**	**$ 900.00**	**$ 900.00**
The Below are One-time Fees - These products will not be part of your subscription			
Enterprise Level Server. Up to 48 cameras per server recording at 7 fps for a minimum of 2-year storage 3U Dual 2U Neutron Dual Xeon Rackmount Server - 8 Hot-Swap SAS/SATA Hard Drive Bays -740W Redundant (1+1) Power Supply - Quick Release Rackmount Rail Kit, Single Socket Xeon Motherboard (Intel C612 Chipset – Socket R3) 8 DIMM Slots (512GB Max Memory - DDR4) - 10 SATA3 Ports - Dual Gigabit Intel i210 LAN, (7) PCI-E Expansion Slots + IPMI Dedicated LAN. Intel Eight Core 2.1Ghz Xeon 20MB cache 8.0GT/s QPI (85W) (E5-2620v4) 4GB DDR4 2133Mhz ECC/REG (16GB Sys Total), LSI Mega RAID 9361-16i - 16-Port SAS 12Gb/s Low Profile Internal RAID Controller - 2GB Cache LSI Logic Mega RAID Cache Vault Flash Module (For 93xx series) PCI Remote Mounting Bracket for LSI Cache vault and BBU's 4-Post Slide Rail Kit	**1**	**$ 16,920.00**	**$ 16,920.00**
LABOR: Setup program to migrate stream transfer from (22) Local NVRs. Customization Storage designed to meet year Storage Parameters For onsite storage, the options for frame rate not to Exceed 5FPS Each system we designed for local access on client's LAN. **Minimum Bandwidth Requirements .7 mps upload speed required per 16 cameras at 1080p.**	**1**	**$1,800.00**	
		Total:	**$ 19,620.00**

MECTRON SECURITY DISTRIBUTORS

New England Traffic Solutions

Date October 24th 2017 Quote # MQ17 0017

ACCEPTANCE

In accepting this Proposal, customer agrees to our terms and conditions mentioned and or attached to this Proposal. It is understood that these terms shall prevail over those of any subsequent purchase orders.

Individual/Company:	**Signature:**
	Print Name:
Date:	

MECTRON Professional Support Service

Free Telephone Technical Support 9am to 5pm Mon thru Friday, *Online Support, **Pre -Project Programming and Configuration, and Design assistance thru our sales support and engineering team, Training and Documentation, 90-day Field Warranty assistance, manufactures warranty as applied typically a Minimum of 2-3 years> Labor Beyond the 1 Year warranty will be billed at the current MECTRON Rate

*Customer must provide access to TeamViewer software ** Pre-Project support is based upon a signed purchase order and or agreed project terms and Conditions with MECTRON prior to assistance.

MECTRON Distribution Terms and Conditions

1. Payment Terms.

a. Payment terms are Net 30 days from invoice date. Late payments will bear interest at a rate of one and one half (1.5%) per month or the highest rate permitted by applicable law, whichever is greater, from the date payment is due, plus the costs of collection including without limitation, reasonable attorney's or agency's fees, court costs and other expenses incurred. Seller may suspend shipping material and Equipment and/or installation and/or training if your account is more than thirty (30) days past due.

b. Notwithstanding the above, and in addition thereto, you shall be responsible for the payment of (a) shipping and delivery charges; (b) charges (at Seller's then current labor and materials rates) for the performance of any Work authorized by you outside the scope of (i) the Work under this Agreement, (ii) Seller's obligations under this Agreement; (iii) the Limited Warranty, and (c) changes in the quantities of Equipment or materials; c) payment and performance bond, if required, and (d) all taxes and government charges imposed associated with the Work, including without limitation, licenses, permits, and code compliance.

2. Warranty and Disclaimer

Seller warrants that the services provided hereunder will be performed in accordance with generally accepted industry standards and practices by competent personnel. In the event that any services fail to comply with the foregoing standard within a one (1) year period from the date such services are completed, Seller will, at its option, provided it is promptly notified in writing upon the discovery of such failure, either re-perform such non-complying services at no additional charge or refund to Customer all fees theretofore paid by Customer with respect to such non-complying services. The foregoing remedies are the exclusive remedies for any breach of Seller's services warranty.

Seller warrants that any products supplied in connection with its services shall be free from defects in workmanship or material for a period of one (1) year from the date of delivery (the "Warranty Period"). During the Warranty Period, provided Seller is promptly notified in writing upon the discovery of any defect in workmanship or material and further provided that all costs of returning the defective products to Seller are pre-paid by Customer, Seller agrees to, at Seller's option, either repair or replace defective products, or refund Customer's fees paid for such products. Seller's sole liability with respect to equipment, materials, parts or software furnished to Customer by third party suppliers shall be limited to the assignment by Seller to Customer of any such third party supplier's warranty; to the extent the same is assignable. The foregoing remedies are the exclusive remedies for any breach of Seller's products warranty. In no event shall Seller have any

obligation to make repairs, replacements or corrections required, in whole or in part, as the result of (i) normal wear and tear, (ii) accident, disaster or other event beyond the reasonable control or fault of Seller, (iii) misuse, fault or negligence of or by Customer, (iv) use of the products in a manner for which they were not designed, (v) causes external to the products such as, but not limited to, power failure or electrical power surges or (vi) use of the products in combination with equipment or software not supplied by the Company. Any installation, maintenance, repair, service, relocation or alteration to or of, or other tampering with, the products performed by any person or entity other than Seller without Seller's prior written approval, or any use of replacement parts not supplied by Seller, shall immediately void and cancel all warranties with respect to the affected products.

THE FOREGOING WARRANTIES ARE THE SOLE AND EXCLUSIVE WARRANTIES GIVEN BY SELLER IN CONNECTION WITH THE SERVICES PERFORMED AND PRODUCTS PROVIDED HEREUNDER, AND ARE IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, WHICH ARE HEREBY DISCLAIMED AND EXCLUDED BY SELLER, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE.

Gail Miller

From: Roslyn Rubinstein
Sent: Friday, October 20, 2017 9:40 AM
To: Dan Steward
Cc: Gail Miller
Subject: CIP 2019-2023

This is to confirm that the Library does not have any submission for 2019-2023 CIP.

Roz

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM-FY 2019-2023

	DEPARTMENT/ AGENCY: WATERFORD POLICE DEPARTMENT							
DEPT PRIORITY	**PROJECT NAME**	**FUNDING SOURCE**	**FISCAL YEAR 2018-2019**	**FISCAL YEAR 2019-2020**	**FISCAL YEAR 2020-2021**	**FISCAL YEAR 2021-2022**	**FISCAL YEAR 2022-2023**	**TOTAL**
1	Phase III Furniture & Flooring	1	82,799.00					**82,799.00**
2	Infrared cameras in cars	1,3	14,380.00	14,812.00	15,257.00	15,715.00		**60,164.00**
5	Locker Room Lockers	3		26,688.00	27,293.00	27,917.00		**81,898.00**
4	Accident Investigation Equipment	3		12,000.00				**12,000.00**
3	Unmanned Aerial Vehicle	3		20,000.00				**20,000.00**
6	Range improvements	1	14,000.00					**14,000.00**
7	Impound yard improvements	3		20,000.00	20,000.00	20,000.00		**60,000.00**
8	Utility Terrain Vehicle	3		7,500.00				**7,500.00**
9	Marine Outboard motors	3		8,000.00	8,000.00	8,000.00	8,000.00	**32,000.00**
	TOTALS		**111,179.00**	**93,500.00**	**42,550.00**	**43,632.00**	**8,000.00**	**224,861.00**

INDEX TO FUNDING SOURCES,

1 CURRENT YEAR CAPITAL IMPROVEMENTS
3 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

DEPARTMENT/AGENCY Waterford Police Department	**CONTACT PERSON** Brett Mahoney, Chief of Police
PROJECT NAME BUILDING FURNITURE PROJECT - PHASE III	**DEPARTMENT PRIORITY** 1

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

The majority of the Department's furniture is more than 25 years old, having been in use since the Police Station was built. As a result, numerous work stations, seating areas, and areas open to the community are broken or in a state of disrepair. We are proposing to change over the furniture in the Police Department in three phases. Phase I is completed (24 hour areas) Phase II (Training Room, Traffic Office, and Operations Lieutenant's Offices) is in progress, and we are requesting funding in FY 2018/2019 for Phase III, which will include Records, interview rooms, and the Administrative offices.

2 PROJECT STATUS IF IN PROGRESS

Phase I complete, Phase II is in progress.

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)

There should be no impact on the department operating budget.

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)

None.

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	FY2018	FY2019	FY2020	FY2021	FY2022
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR			82,799			
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	0	82,799	0	0	0

RED THREAD

Quotation

860.528.9981
www.red-thread.com

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Quote To

FINANCE OFFICE
TOWN OF WATERFORD
15 ROPE FERRY RD
TOWN HALL
WATERFORD, CT 06385-2806

Phone 1.860.440.0540

Fax 1.860.440.0579

Terms NET 30 DAYS

Ship To

FINANCE OFFICE
TOWN OF WATERFORD
15 ROPE FERRY RD
TOWN HALL
WATERFORD, CT 06385-2806

Phone 1.860.440.0540

Fax 1.860.440.0579

Sales Location E.Hartford -Furniture/Services

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		CT STATE CONTRACT 15PSX0041		
1	1	WW3066WSSL NATIONAL O WAVEWORKS,30DX66W,SURFACE, RECTANGULAR DESK,HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET G11SNL GROMMET SATIN NICKEL,LEFT TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	235.12	235.12
	Tag For	HARBOR MASTER		
2	1	WW2448WSSL NATIONAL O WAVEWORKS,24DX48W,SURFACE,RECTANGUL AR, HPL SUPPORT E EXTENSION RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET	141.07	141.07

This quotation is subject to Red Thread's standard terms and conditions which are available to the accepting party upon request.

Accepted by: _____ Title: _____ Date: _____

RED THREAD

Quotation

860.528.9981
www.red-thread.com

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		X NO GROMMET TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN		
	Tag For	HARBOR MASTER		
3	1	WW2915PUBBFL NATIONAL O WAVEWORKS,29DX15W,PEDESTAL,BOX/BOX/FIL E, UNDERSURFACE,LAM PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK KRB RANDOM CORE,INSTALLED,BLACK DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN	380.16	380.16
	Tag For	HARBOR MASTER		
4	1	WW2315PUFFL NATIONAL O WAVEWORKS,23DX15W,PEDESTAL,FILE/FILE, UNDERSURFACE,LAMINATE PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK KRB RANDOM CORE,INSTALLED,BLACK DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN	355.90	355.90
	Tag For	HARBOR MASTER		
5	1	WW6627MPL NATIONAL O WAVEWORKS,66WX27H,MODESTY PANEL,FULL, LAMINATE SUPPORT M MAIN GROMMET	127.71	127.71

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		X NO MODESTY GROMMET MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) CHASSIS LAMINATE COLOR CW CORDOVAN		
	Tag For	HARBOR MASTER		
6	1	WW3028STL NATIONAL O WAVEWORKS,30DX28H,T SUPPORT PANEL, LAMINATE CHASSIS LAMINATE COLOR CW CORDOVAN	174.73	174.73
	Tag For	HARBOR MASTER		
7	1	N30GU1UP NATIONAL O LAVORO,GUEST,UPH BACK,ARMLESS,UPH SEAT, BLACK,STATIC UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA GLIDE C52 SOFT GLIDE	322.74	322.74
	Tag For	HARBOR MASTER		
8	1	N22HMA NATIONAL O WANDER,HIGH MESH BACK,ARMS UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA CASTER STD STANDARD CASTER	359.37	359.37
	Tag For	HARBOR MASTER		
9	1	SS201810EF STEELCASE Stella Standard; Keyboard mechanism, 18 inch radius platform, Extended foam palm rest, 20L track BASIC :6288 CHARCOAL	293.13	293.13
	Tag For	HARBOR MASTER		
10	1	WW1842LFF3M NATIONAL O	608.21	608.21

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		WAVEWORKS,18DX42W LATERAL FILE, FREESTANDING,THREE DWR,METAL PULL 5 INTEGRATED LOCK KRB RANDOM CORE,INSTALLED,BLACK PAINT GROUP STDM STANDARD,METALLIC PAINT 503 SATIN NICKEL METALLIC		
	Tag For	HARBOR MASTER		
11	1	WW36CW2M NATIONAL O WAVEWORKS,COUNTERWEIGHT, 2 DRAWER LAT FILE	72.76	72.76
	Tag For	HARBOR MASTER		
12	2	WW15FFB NATIONAL O WAVEWORKS,15D FILE BAR,FRONT-TO-BACK, PKG 2	13.86	27.72
	Tag For	HARBOR MASTER		
13	1	WW3072WSSL NATIONAL O WAVEWORKS,30DX72W,SURFACE, RECTANGULAR DESK,HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET G11SNR GROMMET,SATIN NICKEL,RIGHT TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	254.43	254.43
	Tag For	COURT OFFICER		
14	1	WW2460WSSL NATIONAL O WAVEWORKS,24DX60W,SURFACE,RECTANGUL AR, HPL SUPPORT E EXTENSION RIM PROFILE VCW SOFTENED PVC,CORDOVAN	190.57	190.57

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		GROMMET G11SNC GROMMET,SATIN NICKEL,CENTER TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN		
	Tag For	COURT OFFICER		
15	1	WW2915PUBBFL NATIONAL O WAVEWORKS,29DX15W,PEDESTAL,BOX/BOX/FIL E, UNDERSURFACE,LAM PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK KRB RANDOM CORE,INSTALLED,BLACK DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN	380.16	380.16
	Tag For	COURT OFFICER		
16	1	WW2315PUFFL NATIONAL O WAVEWORKS,23DX15W,PEDESTAL,FILE/FILE, UNDERSURFACE,LAMINATE PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK KRB RANDOM CORE,INSTALLED,BLACK DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN	355.90	355.90
	Tag For	COURT OFFICER		
17	2	N30GU1UP NATIONAL O LAVORO,GUEST,UPH BACK,ARMLESS,UPH SEAT, BLACK,STATIC UPHOLSTERY GRADE	322.74	645.48

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687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		2 GRADE 2 22147 SEDONA MESA GLIDE C52 SOFT GLIDE		
	Tag For	COURT OFFICER		
18	1	N22HMA NATIONAL O WANDER,HIGH MESH BACK,ARMS UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA CASTER STD STANDARD CASTER	359.37	359.37
	Tag For	COURT OFFICER		
19	1	WW1842LFF3M NATIONAL O WAVEWORKS,18DX42W LATERAL FILE, FREESTANDING,THREE DWR,METAL PULL 5 INTEGRATED LOCK KRB RANDOM CORE,INSTALLED,BLACK PAINT GROUP STDM STANDARD,METALLIC PAINT 503 SATIN NICKEL METALLIC	608.21	608.21
	Tag For	COURT OFFICER		
20	1	WW36CW2M NATIONAL O WAVEWORKS,COUNTERWEIGHT, 2 DRAWER LAT FILE	72.76	72.76
	Tag For	COURT OFFICER		
21	3	WW15FFB NATIONAL O WAVEWORKS,15D FILE BAR,FRONT-TO-BACK, PKG 2	13.86	41.58
	Tag For	COURT OFFICER		
22	1	SS201810EF STEELCASE Stella Standard; Keyboard mechanism, 18 inch radius platform, Extended foam palm rest, 20L track BASIC :6288 CHARCOAL	293.13	293.13

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
	Tag For	COURT OFFICER		
23	1	11N72EXFP2 NATIONAL O EXHIBIT,72W EXTRUSION W/FACEPLATE, SET OF 2 PAINT COLOR 503 SATIN NICKEL METALLIC	122.76	122.76
	Tag For	COURT OFFICER		
24	2	11N3649MBP NATIONAL O EXHIBIT,36WX49H MARKER BOARD,PORCELAIN	293.04	586.08
	Tag For	COURT OFFICER		
25	2	11N52ETP NATIONAL O EXHIBIT,52H END TRIM,TACKBOARD PAINT COLOR 503 SATIN NICKEL METALLIC	40.59	81.18
	Tag For	COURT OFFICER		
26	1	WW3028STL NATIONAL O WAVEWORKS,30DX28H,T SUPPORT PANEL, LAMINATE CHASSIS LAMINATE COLOR CW CORDOVAN	174.73	174.73
	Tag For	COURT OFFICER		
27	1	WW7227MPL NATIONAL O WAVEWORKS,72WX27H,MODESTY PANEL,FULL, LAMINATE SUPPORT M MAIN GROMMET X NO MODESTY GROMMET MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) CHASSIS LAMINATE COLOR CW CORDOVAN	134.14	134.14
	Tag For	COURT OFFICER		
28	2	WW3048WSSDL NATIONAL O WAVEWORKS,30DX48W,SURFACE,WIRE MGR, RECTANGULAR,HPL	167.80	335.60

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET X NO GROMMET WIRE MANAGER COLOR X NO WIRE MANAGER MODIFIED DEPTH X NO MODIFIED DEPTH (STANDARD) MODIFIED WIDTH 42.0000 42 (1067 MM) TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN		
	Tag For	INTERVIEW ROOMS		
29	8	CBV0228COBP NATIONAL O CONFERENCE,2DIAX28H,COLUMN LEG,STATIC WIRE MGMT CUTOUT X NO CUTOUT PAINT COLOR 503 SATIN NICKEL METALLIC	49.50	396.00
	Tag For	INTERVIEW ROOMS		
30	6	N45APR NATIONAL O CINCH,PLASTIC BACK,PLASTIC SEAT,PKG 1 BACK PLASTIC COLOR P10 BLACK SEAT PLASTIC COLOR P10 BLACK PAINT 501 PLATINUM METALLIC GLIDE STD STANDARD GLIDE	132.66	795.96
	Tag For	INTERVIEW ROOMS		
31	1	WWN4896RT2L NATIONAL O WAVEWORKS,48DX96W,CONFERENCE TOP, RECTANGLE,HPL RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET	1,184.53	1,184.53

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		X NO GROMMET MODIFIED DEPTH X NO MODIFIED DEPTH (STANDARD) MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN		
	Tag For	CONF ROOM		
32	1	10N96PNKL NATIONAL O UNIVERSAL,FOR 96W TOP,PANEL BASE KIT, LAMINATE BASE PROFILE P1 BASIC MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) LAMINATE COLOR CW CORDOVAN	1,158.30	1,158.30
	Tag For	CONF ROOM		
33	8	N22HMA NATIONAL O WANDER,HIGH MESH BACK,ARMS UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA CASTER STD STANDARD CASTER	359.37	2,874.96
	Tag For	CONF ROOM		
34	1	WW2454WSSL NATIONAL O WAVEWORKS,24DX54W,SURFACE,RECTANGUL AR, HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET G11SNC GROMMET,SATIN NICKEL,CENTER TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	170.77	170.77

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
	Tag For	TRAFFIC OFFICE		
35	1	WW2315PUBBFL NATIONAL O WAVEWORKS,23DX15W,PEDESTAL,BOX/BOX/FIL E, UNDERSURFACE,LAM PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK KRB RANDOM CORE,INSTALLED,BLACK DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN	355.90	355.90
	Tag For	TRAFFIC OFFICE		
36	2	CBV0228COBP NATIONAL O CONFERENCE,2DIAX28H,COLUMN LEG,STATIC WIRE MGMT CUTOUT X NO CUTOUT PAINT COLOR 503 SATIN NICKEL METALLIC	49.50	99.00
	Tag For	TRAFFIC OFFICE		
37	1	CBV3066ABEN NATIONAL O BASE SUPPORT,FOR 30DX66W TOP, ADJBL HGT BASE,ELECTRIC,SATIN N	1,003.36	1,003.36
	Tag For	TRAFFIC OFFICE		
38	1	WW3066WSSL NATIONAL O WAVEWORKS,30DX66W,SURFACE, RECTANGULAR DESK,HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET X NO GROMMET TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	220.27	220.27

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
	Tag For	TRAFFIC OFFICE		
39	1	11N144EXFP2 NATIONAL O EXHIBIT,144W EXTRUSION W/FACEPLATE, SET OF 2 PAINT COLOR 503 SATIN NICKEL METALLIC	175.23	175.23
	Tag For	TRAFFIC OFFICE		
40	1	11N5436TB NATIONAL O EXHIBIT,54WX36H TACK BOARD TACKBOARD FABRIC GROUP A GRADE A 8606 DUNE PEBBLE	158.89	158.89
	Tag For	TRAFFIC OFFICE		
41	1	11N3649TB NATIONAL O EXHIBIT,36WX49H TACK BOARD TACKBOARD FABRIC GROUP A GRADE A 8606 DUNE PEBBLE	153.94	153.94
	Tag For	TRAFFIC OFFICE		
42	1	11N52ETP NATIONAL O EXHIBIT,52H END TRIM,TACKBOARD PAINT COLOR 503 SATIN NICKEL METALLIC	40.59	40.59
	Tag For	TRAFFIC OFFICE		
43	1	11N37ETP NATIONAL O EXHIBIT,37H END TRIM,TACKBOARD PAINT COLOR 503 SATIN NICKEL METALLIC	33.66	33.66
	Tag For	TRAFFIC OFFICE		
44	1	N30GU1UP NATIONAL O LAVORO,GUEST,UPH BACK,ARMLESS,UPH SEAT, BLACK,STATIC UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA	322.74	322.74

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		GLIDE C52 SOFT GLIDE		
	Tag For	TRAFFIC OFFICE		
45	1	N22HMA NATIONAL O WANDER,HIGH MESH BACK,ARMS UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA CASTER STD STANDARD CASTER	359.37	359.37
	Tag For	TRAFFIC OFFICE		
46	1	SS201810EF STEELCASE Stella Standard; Keyboard mechanism, 18 inch radius platform, Extended foam palm rest, 20L track BASIC :6288 CHARCOAL	293.13	293.13
	Tag For	TRAFFIC OFFICE		
47	4	N30GM1UP NATIONAL O LAVORO,GUEST,MESH BACK,ARMLESS,UPH SEAT, BLACK,STATIC MESH BACK COLOR 11 BLACK UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA GLIDE C53 HARD GLIDE	260.37	1,041.48
	Tag For	YOUTH OFFICE		
48	1	WW3066WSSL NATIONAL O WAVEWORKS,30DX66W,SURFACE, RECTANGULAR DESK,HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET X NO GROMMET TOP LAMINATE GROUP	220.27	220.27

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		STD STANDARD LAMINATE CW CORDOVAN		
	Tag For	YOUTH OFFICE		
49	1	CBV2128TL2BP NATIONAL O CONFERENCE,21WX28H,T LEG BASE,STATIC, PKG 2 WIRE MGMT CUTOUT X NO CUTOUT PAINT COLOR 503 SATIN NICKEL METALLIC FOOT PAINT COLOR 503 SATIN NICKEL METALLIC	247.50	247.50
	Tag For	YOUTH OFFICE		
50	1	WW3666WSSDL NATIONAL O WAVEWORKS,36DX66W,SURFACE,WIRE MGR, RECTANGULAR,HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET X NO GROMMET WIRE MANAGER COLOR X NO WIRE MANAGER MODIFIED DEPTH X NO MODIFIED DEPTH (STANDARD) MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	304.42	304.42
	Tag For	YOUTH OFFICE		
51	1	WW3628STL NATIONAL O WAVEWORKS,36DX28H,T SUPPORT PANEL, LAMINATE CHASSIS LAMINATE COLOR CW CORDOVAN	196.51	196.51
	Tag For	YOUTH OFFICE		
52	2	WW3028STL NATIONAL O	174.73	349.46

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687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		WAVEWORKS,30DX28H,T SUPPORT PANEL, LAMINATE CHASSIS LAMINATE COLOR CW CORDOVAN		
	Tag For	YOUTH OFFICE		
53	1	WW3072WSSL NATIONAL O WAVEWORKS,30DX72W,SURFACE, RECTANGULAR DESK,HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET G11SNR GROMMET,SATIN NICKEL,RIGHT TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	254.43	254.43
	Tag For	YOUTH OFFICE		
54	1	WW3072WSSL NATIONAL O WAVEWORKS,30DX72W,SURFACE, RECTANGULAR DESK,HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET G11SNL GROMMET SATIN NICKEL,LEFT TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	254.43	254.43
	Tag For	YOUTH OFFICE		
55	2	WW2915PUBBFL NATIONAL O WAVEWORKS,29DX15W,PEDESTAL,BOX/BOX/FIL E, UNDERSURFACE,LAM PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK	380.16	760.32

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		KRB RANDOM CORE,INSTALLED,BLACK DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN		
	Tag For	YOUTH OFFICE		
56	2	WW7227MPL NATIONAL O WAVEWORKS,72WX27H,MODESTY PANEL,FULL, LAMINATE SUPPORT M MAIN GROMMET X NO MODESTY GROMMET MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) CHASSIS LAMINATE COLOR CW CORDOVAN	134.14	268.28
	Tag For	YOUTH OFFICE		
57	1	WW3642BCOFM NATIONAL O WAVEWORKS,36WX42H BOOKCASE,OPEN, FREESTANDING,METAL PAINT GROUP STDM STANDARD,METALLIC PAINT 503 SATIN NICKEL METALLIC	296.21	296.21
	Tag For	YOUTH OFFICE		
58	2	N22HMA NATIONAL O WANDER,HIGH MESH BACK,ARMS UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA CASTER STD STANDARD CASTER	359.37	718.74
	Tag For	YOUTH OFFICE		
59	1	WW173029PUOSL NATIONAL O WAVEWORKS,17DX30WX29H,PEDESTAL,BOOKC ASE, UNDERSURFACE,LAM GROMMET X NO GROMMET	320.76	320.76

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687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		CHASSIS LAMINATE COLOR CW CORDOVAN		
	Tag For	CHIEF OFFICE		
60	1	WW1872WSSL NATIONAL O WAVEWORKS,18DX72W,SURFACE,RECTANGUL AR, HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET X NO GROMMET TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	186.12	186.12
	Tag For	CHIEF OFFICE		
61	1	WW1828STL NATIONAL O WAVEWORKS,18DX28H,T SUPPORT PANEL, LAMINATE CHASSIS LAMINATE COLOR CW CORDOVAN	151.96	151.96
	Tag For	CHIEF OFFICE		
62	1	WW3628STL NATIONAL O WAVEWORKS,36DX28H,T SUPPORT PANEL, LAMINATE CHASSIS LAMINATE COLOR CW CORDOVAN	196.51	196.51
	Tag For	CHIEF OFFICE		
63	1	WW2448WSSL NATIONAL O WAVEWORKS,24DX48W,SURFACE,RECTANGUL AR, HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET G11SNC GROMMET,SATIN NICKEL,CENTER	155.92	155.92

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN		
	Tag For	CHIEF OFFICE		
64	1	WW3684WSSDL NATIONAL O WAVEWORKS,36DX84W,SURFACE,WIRE MGR, RECTANGULAR,HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET G11SNL GROMMET SATIN NICKEL,LEFT WIRE MANAGER COLOR X NO WIRE MANAGER MODIFIED DEPTH X NO MODIFIED DEPTH (STANDARD) MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	395.01	395.01
	Tag For	CHIEF OFFICE		
65	1	WW8427MPL NATIONAL O WAVEWORKS,84WX27H,MODESTY PANEL,FULL, LAMINATE SUPPORT M MAIN GROMMET X NO MODESTY GROMMET MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) CHASSIS LAMINATE COLOR CW CORDOVAN	150.97	150.97
	Tag For	CHIEF OFFICE		
66	1	WW2915PUBBFL NATIONAL O WAVEWORKS,29DX15W,PEDESTAL,BOX/BOX/FIL E, UNDERSURFACE,LAM PULL	380.16	380.16

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK KRB RANDOM CORE,INSTALLED,BLACK DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN		
	Tag For	CHIEF OFFICE		
67	1	WWN3672BTL NATIONAL O WAVEWORKS,36DX72W,CONFERENCE TOP,BOAT, HPL RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET X NO GROMMET MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	883.57	883.57
	Tag For	CHIEF OFFICE		
68	1	10N72PNKL NATIONAL O UNIVERSAL,FOR 72W TOP,PANEL BASE KIT, LAMINATE BASE PROFILE P1 BASIC MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) LAMINATE COLOR CW CORDOVAN	1,100.88	1,100.88
	Tag For	CHIEF OFFICE		
69	1	N22HMA NATIONAL O WANDER,HIGH MESH BACK,ARMS UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA CASTER	359.37	359.37

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		STD STANDARD CASTER		
	Tag For	CHIEF OFFICE		
70	6	N30GU1UP NATIONAL O LAVORO,GUEST,UPH BACK,ARMLESS,UPH SEAT, BLACK,STATIC UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA GLIDE C52 SOFT GLIDE	322.74	1,936.44
	Tag For	CHIEF OFFICE		
71	2	WW2436LFF4L NATIONAL O WAVEWORKS,24DX36W,LATERAL FILE, FOUR DRAWER,HPL RIM PROFILE VCW SOFTENED PVC,CORDOVAN PULL 88SN LEVEL,SATIN NICKEL METALLIC LOCK KRB RANDOM CORE,INSTALLED,BLACK TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN	1,053.36	2,106.72
	Tag For	CHIEF OFFICE		
72	8	WW15FFB NATIONAL O WAVEWORKS,15D FILE BAR,FRONT-TO-BACK, PKG 2	13.86	110.88
	Tag For	CHIEF OFFICE		
73	1	WW1821EPL NATIONAL O WAVEWORKS,18DX21H,END PANEL,LAMINATE GROMMET X NO GROMMET CHASSIS LAMINATE COLOR CW CORDOVAN	100.48	100.48

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Accepted by: _____ Title: _____ Date: _____

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
	Tag For	CHIEF OFFICE		
74	1	WW3072WSSL NATIONAL O WAVEWORKS,30DX72W,SURFACE, RECTANGULAR DESK,HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET G11SNR GROMMET,SATIN NICKEL,RIGHT TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	254.43	254.43
	Tag For	MARLENA		
75	1	WW2460WSSL NATIONAL O WAVEWORKS,24DX60W,SURFACE,RECTANGUL AR, HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET G11SNC GROMMET,SATIN NICKEL,CENTER TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	190.57	190.57
	Tag For	MARLENA		
76	1	WW2915PUBBFL NATIONAL O WAVEWORKS,29DX15W,PEDESTAL,BOX/BOX/FIL E, UNDERSURFACE,LAM PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK KRB RANDOM CORE,INSTALLED,BLACK DRAWER/DOOR LAMINATE COLOR CW CORDOVAN	380.16	380.16

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Accepted by: _____ Title: _____ Date: _____

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		CHASSIS LAMINATE COLOR CW CORDOVAN		
	Tag For	MARLENA		
77	1	WW2315PUFFL NATIONAL O WAVEWORKS,23DX15W,PEDESTAL,FILE/FILE, UNDERSURFACE,LAMINATE PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK KRB RANDOM CORE,INSTALLED,BLACK DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN	355.90	355.90
	Tag For	MARLENA		
78	1	WW3028STL NATIONAL O WAVEWORKS,30DX28H,T SUPPORT PANEL, LAMINATE CHASSIS LAMINATE COLOR CW CORDOVAN	174.73	174.73
	Tag For	MARLENA		
79	1	WW7227MPL NATIONAL O WAVEWORKS,72WX27H,MODESTY PANEL,FULL, LAMINATE SUPPORT M MAIN GROMMET X NO MODESTY GROMMET MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) CHASSIS LAMINATE COLOR CW CORDOVAN	134.14	134.14
	Tag For	MARLENA		
80	2	WW1842LFF5DM NATIONAL O WAVEWORKS,18DX42W,LATERAL FILE,FRSTDG, FIVE DWR/DOOR,METAL PULL	962.13	1,924.26

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Accepted by: _____ Title: _____ Date: _____

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		5 INTEGRATED LOCK KRB RANDOM CORE,INSTALLED,BLACK PAINT GROUP STDM STANDARD,METALLIC PAINT 503 SATIN NICKEL METALLIC		
	Tag For	MARLENA		
81	2	WW36CW2M NATIONAL O WAVEWORKS,COUNTERWEIGHT, 2 DRAWER LAT FILE	72.76	145.52
	Tag For	MARLENA		
82	2	N30GU1UP NATIONAL O LAVORO,GUEST,UPH BACK,ARMLESS,UPH SEAT, BLACK,STATIC UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA GLIDE C52 SOFT GLIDE	322.74	645.48
	Tag For	MARLENA		
83	1	N22HMA NATIONAL O WANDER,HIGH MESH BACK,ARMS UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA CASTER STD STANDARD CASTER	359.37	359.37
	Tag For	MARLENA		
84	8	WW15FFB NATIONAL O WAVEWORKS,15D FILE BAR,FRONT-TO-BACK, PKG 2	13.86	110.88
	Tag For	MARLENA		
85	1	WW3654BCOFM NATIONAL O WAVEWORKS,36WX54H BOOKCASE,OPEN, FREESTANDING,METAL PAINT GROUP	340.86	340.86

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Accepted by: _____ Title: _____ Date: _____

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		STDM STANDARD,METALLIC PAINT 503 SATIN NICKEL METALLIC		
	Tag For	MARLENA		
86	1	SS201810EF STEELCASE Stella Standard; Keyboard mechanism, 18 inch radius platform, Extended foam palm rest, 20L track BASIC :6288 CHARCOAL	293.13	293.13
	Tag For	MARLENA		
87	1	WW3672DRFL1 NATIONAL O WAVEWORKS,36DX72W,DESK,RIGHT PEDESTAL, BBF,HPL RIM PROFILE VCW SOFTENED PVC,CORDOVAN PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET G11SNL GROMMET SATIN NICKEL,LEFT LOCK KRB RANDOM CORE,INSTALLED,BLACK TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN	959.31	959.31
	Tag For	EMPTY OFFICE		
88	1	WW2460RLEFL2 NATIONAL O WAVEWORKS,24DX60W,RETURN,LEFT,FILE/FILE , HPL RIM PROFILE VCW SOFTENED PVC,CORDOVAN PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK	632.11	632.11

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Accepted by: _____ Title: _____ Date: _____

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		KRB RANDOM CORE,INSTALLED,BLACK TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN		
	Tag For	EMPTY OFFICE		
89	2	N30GU1UP NATIONAL O LAVORO,GUEST,UPH BACK,ARMLESS,UPH SEAT, BLACK,STATIC UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA GLIDE C52 SOFT GLIDE	322.74	645.48
	Tag For	EMPTY OFFICE		
90	1	N22HMA NATIONAL O WANDER,HIGH MESH BACK,ARMS UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA CASTER STD STANDARD CASTER	359.37	359.37
	Tag For	EMPTY OFFICE		
91	2	WW1842LFF5DM NATIONAL O WAVEWORKS,18DX42W,LATERAL FILE,FRSTDG, FIVE DWR/DOOR,METAL PULL 5 INTEGRATED LOCK KRB RANDOM CORE,INSTALLED,BLACK PAINT GROUP STDM STANDARD,METALLIC PAINT 503 SATIN NICKEL METALLIC	962.13	1,924.26
	Tag For	EMPTY OFFICE		
92	2	WW36CW2M NATIONAL O	72.76	145.52

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Accepted by: _____ Title: _____ Date: _____

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		WAVEWORKS,COUNTERWEIGHT, 2 DRAWER LAT FILE		
	Tag For	EMPTY OFFICE		
93	8	WW15FFB NATIONAL O WAVEWORKS,15D FILE BAR,FRONT-TO-BACK, PKG 2	13.86	110.88
	Tag For	EMPTY OFFICE		
94	1	11N72EXFP2 NATIONAL O EXHIBIT,72W EXTRUSION W/FACEPLATE, SET OF 2 PAINT COLOR 503 SATIN NICKEL METALLIC	122.76	122.76
	Tag For	EMPTY OFFICE		
95	1	11N6036TB NATIONAL O EXHIBIT,60WX36H TACK BOARD TACKBOARD FABRIC GROUP A GRADE A 8606 DUNE PEBBLE	159.88	159.88
	Tag For	EMPTY OFFICE		
96	6	WW1836LFF3M NATIONAL O WAVEWORKS,18DX36W LATERAL FILE, FREESTANDING,THREE DWR,METAL PULL 5 INTEGRATED LOCK KRB RANDOM CORE,INSTALLED,BLACK PAINT GROUP STDM STANDARD,METALLIC PAINT 503 SATIN NICKEL METALLIC	557.02	3,342.12
	Tag For	RECORDS		
97	6	WW36CW2M NATIONAL O WAVEWORKS,COUNTERWEIGHT, 2 DRAWER LAT FILE	72.76	436.56
	Tag For	RECORDS		
98	18 T	WW15FFB NATIONAL O WAVEWORKS,15D FILE BAR,FRONT-TO-BACK,	13.86	249.48

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Accepted by: _____ Title: _____ Date: _____

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		PKG 2		
	Tag For	RECORDS		
99	5	N22HMA NATIONAL O WANDER,HIGH MESH BACK,ARMS UPHOLSTERY GRADE 2 GRADE 2 22147 SEDONA MESA CASTER STD STANDARD CASTER	359.37	1,796.85
	Tag For	RECORDS		
100	5	SS201810EF STEELCASE Stella Standard; Keyboard mechanism, 18 inch radius platform, Extended foam palm rest, 20L track BASIC :6288 CHARCOAL	293.13	1,465.65
	Tag For	RECORDS		
101	2	WW8572LRFL NATIONAL O WAVEWORKS,85DX72W,L UNIT,RIGHT,HPL RIM PROFILE V462 SOFTENED PVC,CINDER PULL 6MB NANTUCKET,BLACK DESK GROMMET X NO GROMMET RETURN GROMMET G1C GROMMET,CENTER LOCK KRB RANDOM CORE,INSTALLED,BLACK TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN	1,549.35	3,098.70
	Tag For	RECORDS		
102	2	WW7966LRFL NATIONAL O WAVEWORKS,79DX66W,L UNIT,RIGHT,HPL RIM PROFILE	1,509.25	3,018.50

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		V462 SOFTENED PVC,CINDER PULL 6MB NANTUCKET,BLACK DESK GROMMET X NO GROMMET RETURN GROMMET G1C GROMMET,CENTER LOCK KRB RANDOM CORE,INSTALLED,BLACK TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN		
	Tag For	RECORDS		
103	1	WW2484WSSL NATIONAL O WAVEWORKS,24DX84W,SURFACE,RECTANGUL AR, HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET X NO GROMMET TOP LAMINATE GROUP STD STANDARD LAMINATE CW CORDOVAN	258.39	258.39
	Tag For	RECORDS		
104	1	WW3054WSSL NATIONAL O WAVEWORKS,30DX54W,SURFACE, RECTANGULAR DESK,HPL SUPPORT M MAIN RIM PROFILE VCW SOFTENED PVC,CORDOVAN GROMMET X NO GROMMET TOP LAMINATE GROUP	184.63	184.63

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Accepted by: _____ Title: _____ Date: _____

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		STD STANDARD LAMINATE CW CORDOVAN		
	Tag For	RECORDS		
105	1	WW2315PUBBFL NATIONAL O WAVEWORKS,23DX15W,PEDESTAL,BOX/BOX/FIL E, UNDERSURFACE,LAM PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK KRB RANDOM CORE,INSTALLED,BLACK DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN	355.90	355.90
	Tag For	RECORDS		
106	1	WW2315PUFFL NATIONAL O WAVEWORKS,23DX15W,PEDESTAL,FILE/FILE, UNDERSURFACE,LAMINATE PULL 88SN LEVEL,SATIN NICKEL METALLIC GROMMET X NO GROMMET LOCK KRB RANDOM CORE,INSTALLED,BLACK DRAWER/DOOR LAMINATE COLOR CW CORDOVAN CHASSIS LAMINATE COLOR CW CORDOVAN	355.90	355.90
	Tag For	RECORDS		
107	1	WW8427MPL NATIONAL O WAVEWORKS,84WX27H,MODESTY PANEL,FULL, LAMINATE SUPPORT M MAIN GROMMET X NO MODESTY GROMMET MODIFIED WIDTH	150.97	150.97

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		X NO MODIFIED WIDTH (STANDARD) CHASSIS LAMINATE COLOR CW CORDOVAN		
	Tag For	RECORDS		
108	1	WW2428STL NATIONAL O WAVEWORKS,24DX28H,T SUPPORT PANEL, LAMINATE CHASSIS LAMINATE COLOR CW CORDOVAN	162.36	162.36
	Tag For	RECORDS		
109	1	WW6027MPL NATIONAL O WAVEWORKS,60WX27H,MODESTY PANEL,FULL, LAMINATE SUPPORT M MAIN GROMMET X NO MODESTY GROMMET MODIFIED WIDTH X NO MODIFIED WIDTH (STANDARD) CHASSIS LAMINATE COLOR CW CORDOVAN	117.81	117.81
	Tag For	RECORDS		
110	1	11N144EXFP2 NATIONAL O EXHIBIT,144W EXTRUSION W/FACEPLATE, SET OF 2 PAINT COLOR 503 SATIN NICKEL METALLIC	175.23	175.23
	Tag For	RECORDS		
111	2	11N4836TB NATIONAL O EXHIBIT,48WX36H TACK BOARD TACKBOARD FABRIC GROUP A GRADE A 8606 DUNE PEBBLE	143.55	287.10
	Tag For	RECORDS		
112	6	11N39ETP NATIONAL O EXHIBIT,39H END TRIM,TACKBOARD PAINT COLOR	35.64	213.84

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Accepted by: _____ Title: _____ Date: _____

RED THREAD

Quotation

860.528.9981
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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		503 SATIN NICKEL METALLIC		
	Tag For	RECORDS		
113	8	CT INS1 RT INSTALL CUSTOM CUTTING WALL TRACKS	48.00	384.00

QUOTATION TOTALS

Sub Total	**57,402.09**
Grand Total	**57,402.09**

End of Quotation

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Accepted by: _____ Title: _____ Date: _____

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
687271	11/21/2017		TOW036	McElrath, Mark	

Standard Terms and Conditions

These Standard Terms and Conditions are hereby incorporated into any order, quotation, proposal or agreement (hereinafter "Order") for goods and/or services from Red Thread Spaces LLC d/b/a Red Thread (hereinafter "Seller") to the party identified as the customer, buyer or purchaser in the Order (hereinafter, "Buyer"). By accepting or entering into the Order, Buyer agrees to be bound by all of the terms and conditions stated herein.

1. **Payment Terms.** Except as otherwise expressly stated in the Order, a deposit of at least 33% of the Order price is required, and payment of the balance is due and payable 10 days after invoice date. Goods and/or services will be invoiced as delivered and/or provided to Buyer. Buyer is required to pay all sales, use and other taxes on all goods and services provided, and promptly reimburse Seller for such taxes even if not shown on the Order or invoice. Any Buyer claiming to be exempt from taxes must provide Seller with a valid exemption certificate. Buyer must notify Seller within 10 days after the invoice date setting forth in detail the basis of any disputed item. Notwithstanding the existence of any disputed item, payment for all items not so disputed within said 10-day period shall be due and payable 10 days after the invoice date. Interest at the rate of 1.5% per month will accrue on outstanding monthly balances after the date payment is due until paid, and accrued but unpaid interest will be added to the outstanding balance on a monthly basis. Buyer agrees to pay all costs incurred by Seller in collecting any outstanding balances, including but not limited to reasonable attorney's fees.

2. **Cancellations and Changes.** All Orders are firm and not subject to cancellation or change without Seller's written agreement. If Seller agrees to cancellation or change, Buyer shall pay all cancellation, restocking and handling charges.

3. **Delivery Dates and Schedule Changes.** If Buyer is unable to receive goods as scheduled, Seller will arrange for storage of goods, if required. All costs of double handling, demurrage, extra trucking, storage, risk of loss and insurance incurred by Seller as a result of such changes or delays will be borne by Buyer. In the event that goods must be stored beyond 10 days, Seller will invoice Buyer for goods as though the Order was delivered to Buyer and such invoice shall be due and payable 10 days after invoice date. Placement of the goods in storage by Seller is deemed delivery by Seller and receipt by Buyer.

4. **Conditions of Job Site.** At time of delivery or installation, the job site must be clear and free of all debris and other tradespeople. Electric current, heat, hoisting and/or elevator service, and adequate facilities for off-loading, staging, storing, moving and handling of goods to be delivered and installed must be provided by Buyer without charge to Seller. Failure of the job site to conform to these requirements may result in project delays and additional costs and expenses, which shall be borne by Buyer.

5. **Delivery and Installation.** Unless otherwise stated in the Order, delivery and installation will occur during Seller's normal work hours using non-union labor, paid at non-prevailing wages. Buyer shall be responsible for payment of all costs incurred as a result of Buyer's request for delivery or installation outside of Seller's normal work hours, including but not limited to overtime and any other additional labor costs. Buyer shall pay all costs of job-site trade regulations enforced at the time of delivery and/or installation, including any requirement that delivery and/or installation be completed by on-site tradesman.

6. **Work by Others.** Buyer shall be responsible for connection of electrical panels or components to the building power source unless separately stated. Buyer shall be responsible for structural integrity of any walls in which product will be mounted, effects of building vibrations on electrical components and for measurements that can't be verified at time of Order placement.

7. **Responsibility for Delivered Goods.** Goods shall be deemed delivered to Buyer upon delivery to the job site. Buyer shall thereafter bear all risk of loss. Buyer is responsible to receive, unload and inspect product for damage and notify Seller of damage within two days of product receipt if Buyer requested that product be drop shipped directly to Buyer. Damaged goods and packaging must be retained for inspection by the carrier. Seller shall not be responsible for any losses sustained due to Buyer's failure to notify Seller timely. Seller's invoices shall be paid in full by Buyer when due irrespective of pending freight claims.

8. **Acceptance of Installed Items.** All goods installed by Seller shall be conclusively deemed to be in accordance with Buyer's specifications and accepted by the Buyer upon completion of installation unless written notice to the contrary is furnished to Seller within 3 business days after completion of installation.

9. **Warranty.** Seller will, to the extent assignable, assign any product warranties supplied or furnished by the manufacturer to the Buyer. Seller will provide labor at no charge to correct any labor deficiency for 60 days from date of installation. Seller will provide labor at no charge to repair or replace defective products and parts during the first 60 days of the manufacturer's warranty period. After 60 days, Seller shall provide labor at no charge to Buyer to repair or replace defective products and parts only if and to the extent such labor is included in the manufacturer's warranty.

NO OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, ARE EXTENDED BY SELLER. SELLER HEREBY DISCLAIMS ALL OTHER WARRANTIES EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE.

10. **Limitation of Liability.**

A. **Delays and Extensions of Time.** No liability shall accrue against Seller from any act or neglect of Buyer, any Order changes requested by Buyer, any delay authorized or caused by Buyer, any strike, lockout, work stoppage or other labor dispute, any fire, accident or other casualty, any unusual delay in deliveries or inability to obtain goods or materials, any act of God, or any other cause beyond Seller's control.

B. **SELLER'S LIABILITY FOR GOODS AND SERVICES PROVIDED SHALL BE LIMITED TO THE INVOICED VALUE OF SUCH GOODS AND SERVICES AND IN NO EVENT SHALL SELLER'S TOTAL LIABILITY TO BUYER FOR ALL DAMAGES, LOSSES AND CAUSES OF ACTION (REGARDLESS OF THE LEGAL THEORY) EXCEED THE AMOUNT PAID BY BUYER (IF ANY) FOR SUCH GOODS AND SERVICES. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL SELLER BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, DIRECT, INDIRECT, SPECIAL, PUNITIVE, OR OTHER DAMAGES WHATSOEVER (INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF INCOME, LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, LOSS OF BUSINESS REPUTATION, OR OTHER PECUNIARY LOSS) ARISING OUT OF ANY GOODS OR SERVICES PROVIDED BY SELLER TO BUYER, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

11. **Miscellaneous**

A. **Governing Law; Severability.** These Standard Terms and Conditions shall be governed by and construed in accordance with the laws of the Commonwealth of Massachusetts, excluding that body of law applicable to choice of law. Any suit by either party shall be brought only in Massachusetts. The parties hereto waive all rights, if any, to a jury trial in any disputes arising from or relating to Order and waive any argument that venue is not appropriate or convenient. If any provision is found to be unenforceable, the remainder of these Standard Terms and Conditions shall continue in full force and effect.

B. **Complete Understanding; Modification.** These Standard Terms and Conditions supersede all prior agreements and understandings between the parties with respect to its subject matter. Any amendments to these Standard Terms and Conditions must be in writing and shall not take effect unless signed by an authorized officer of each of the parties.

C. **Security Interest.** Buyer grants Seller a security interest in products sold until payment in full is received by Seller. Buyer grants Seller all of the rights and remedies of a secured party under the Uniform Commercial Code. Buyer appoints Seller as its attorney-in-fact for the purpose of executing a UCC-1 Financing Statement or other documents as may be necessary to perfect this security interest.

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Accepted by: _____ Title: _____ Date: _____

RED THREAD

Quotation

860.528.9981
www.red-thread.com

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
686338	11/10/2017		TOW036	Meucci, Tom	

Quote To

FINANCE OFFICE
TOWN OF WATERFORD
15 ROPE FERRY ROAD
TOWN HALL
WATERFORD, CT 06385

Phone 1.860.440.0540

Fax 1.860.440.0579

Ship To

Marlena Montgomery
Police Station Phase 3
41 AVERY LN
WATERFORD, CT 06385-2202

Phone 1.860.447.9074

Fax 1.860.440.0579

Terms NET 30 DAYS

Sales Location E.Hartford -Furniture/Services

Line	Quantity	Catalog Number / Description	Unit Price	Extended Amount
		Prices include material, labor, freight, and no tax. ** Work quoted normal hours ** Includes Ripout of existing Carpet ** Furniture moved by customer *** Pricing based on State Contract #12PSX0307 Scope of Work: 98 Youth Offices Interview Rooms A&B 2nd Sargent's Office Records 118 Court Office 115 Copy Room 119 Traffic Office Executive Conference Room Administration Area Library #12 Harbor Maintenance Office Peters Office #7 Training Room Annex		
1	488	S/YARDS BEAULIEU Bolyu Aerial Map Carpet Tile AER34 Terrain	19.05	9,296.40

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Accepted by: _____ Title: _____ Date: _____

RED THREAD

Quotation

860.528.9981
www.red-thread.com

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
686338	11/10/2017		TOW036	Meucci, Tom	

Line	Quantity	Catalog Number / Description		Unit Price	Extended Amount
2	5	PAIL Pressure Sensitive Adhesive	BEAULIEU	79.00	395.00
3	48	INSFLOOR1 Labor to install Carpet Tile	RT FLOOR	62.50	3,000.00
4	24	INSFLOOR1 Labor to Ripout Existing Carpet	RT FLOOR	62.50	1,500.00
5	320	CARTONS Bolyu Natural Wood Series LVT Flooring BLVTP-008 Willow	BEAULIEU	2.86	915.20
6	1	PAIL Bolyu LVT Adhesive	BEAULIEU	85.00	85.00
7	10	INSFLOOR1 Labor to install LVT Plank	RT FLOOR	62.50	625.00
8	4	INSFLOOR1 Labor to Prep LVT Plank Floors	RT FLOOR	62.50	250.00
9	320	INSFLOOR1 Labor to Ripout existing Vct	RT FLOOR	0.92	294.40
10	6	BAGS Featheredge Patch	RT FLOOR	18.00	108.00
11	11	CARTONS Johnsonite Vinyl Base 4" Cove 1/8"	MICHAEL HA	80.00	880.00
12	16	INSFLOOR1 Labor to Install Vinyl Base	RT FLOOR	62.50	1,000.00
13	2	PAILS Cove Base Adhesive	RT FLOOR	47.50	95.00

QUOTATION TOTALS

Sub Total	18,444.00
Grand Total	18,444.00

End of Quotation

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RED THREAD

Quotation

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Quote	Quote Date	Customer Order	Customer	Account Representative	Project
686344	11/10/2017		TOW036	Meucci, Tom	

Quote To

FINANCE OFFICE
TOWN OF WATERFORD
15 ROPE FERRY ROAD
TOWN HALL
WATERFORD, CT 06385

Phone 1.860.440.0540

Fax 1.860.440.0579

Ship To

Marlena Montgomery
Police Station Computer Room
41 AVERY LN
WATERFORD, CT 06385-2202

Phone 1.860.447.9074

Fax 1.860.440.0579

Terms NET 30 DAYS

Sales Location E.Hartford -Furniture/Services

Line	Quantity	Catalog Number / Description		Unit Price	Extended Amount
		Prices include material, labor, freight, and no tax. ** Work quoted normal hours ** Includes Ripout of existing VCT ** Furniture moved by customer *** Pricing based on State Contract #12PSX0307 *** Computer Room			
1	8	CARTONS Armstrong Static Disapative Tile	BELKNAP WH	319.50	2,556.00
2	1	PAIL Armstrong S202 Adhesive	BELKNAP WH	428.05	428.05
3	8	INSFLOOR1 Labor to Install SDT Tile	RT FLOOR	62.50	500.00
4	6	INSFLOOR1 Labor to Ripout Existing VCT	RT FLOOR	62.50	375.00
5	1	CARTONS Johnsonite Vinyl Base 4" Cove 1/8"	MICHAEL HA	80.00	80.00

This quotation is subject to Red Thread's standard terms and conditions which are available to the accepting party upon request.

Accepted by: _____ Title: _____ Date: _____

RED THREAD

Quotation

860.528.9981
www.red-thread.com

Quote	Quote Date	Customer Order	Customer	Account Representative	Project
686344	11/10/2017		TOW036	Meucci, Tom	

Line	Quantity	Catalog Number / Description		Unit Price	Extended Amount
6	1	PAIL Mapei Cove Base Adhesive	MICHAEL HA	47.50	47.50
7	6	BAGS Featheredge Patch	RT FLOOR	18.00	108.00
8	4	INSFLOOR1 Labor to Prep Floors	RT FLOOR	62.50	250.00
9	1.50	INSFLOOR1 Labor to install Vinyl Base	RT FLOOR	62.50	93.75

QUOTATION TOTALS

Sub Total	4,438.30
Grand Total	4,438.30

End of Quotation

This quotation is subject to Red Thread's standard terms and conditions which are available to the accepting party upon request.

Accepted by: _____ Title: _____ Date: _____

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford Police Department	**CONTACT PERSON** Brett Mahoney, Chief of Police
PROJECT NAME **Infrared Cameras in Cars**	**DEPARTMENT PRIORITY** 2

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

The WPD has used infrared devices on their cruisers in the past with much success. This request seeks to re- incorporate infrared technology into the cars to maximize officer effectiveness while on patrol. These cameras can be used day or night to locate missing, endangered, or suspected persons in places of dense brush or wooded areas, while allowing the officer to stay in the mobile patrol car. Evidence retrieval and tracking is an added benefit as any of the persons or items mentioned leave a heat signature which is detected by this equipment. See attached sheet for added description and recent cases/personnel used where infrared would have benefited us immensly.

2 PROJECT STATUS IF IN PROGRESS

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)

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR		14,380	14,812	15,257	15,715	
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	14,380	14,812	15,257	15,715	0

Infrared Thermal Imaging Camera:

The incorporation of the infrared thermal camera to the patrol vehicle will increase the effectiveness of community patrol efforts in both residential and business areas.

- Devices such as the NOPTIC © Thermal Camera are incorporated onto the police spot light, requiring minimal modification to the vehicle and only a minor training is needed for effective use by an officer.
- These cameras can be used in both day and night environments to locate missing or endangered persons quicker than the naked eye, as the device can see heat signatures even in places with dense brush or other visual obstacles.
- Officers can turn off the spot light and use the thermal camera to locate suspects without giving away their position. In contrast to hand-held thermal imaging devices, which can spend 99% of their time in the trunk, devices like the NOPTIC® Thermal Camera are always on and ready to help locate victims or suspects.
- While on patrol, officers can scan large areas in complete darkness all from the safety of their patrol vehicle.
- Additionally the camera is designed to work with our existing Windows based MDT configuration and includes everything needed to record video when necessary on the MDT.

Recent Waterford Police Department Cases –

Suicidal Male from out of state who leaves a note.

- Resources – 4 Patrol Officers, 1 Supervisor, Officer and WPD K9, State Police (Trooper and K9), Fire Department.
- 3 hours into search WPD K9 Officer uses hand held infrared device to locate subject in water.

Alzheimer's resident walks away from house in torrential down pour and high winds.

- Resources – 6 Patrol Officers, 2 Patrol Supervisors, 2 Paid Firemen, 8 Volunteer Firemen
- Subject located with hand held Infrared device by FD 3 hours later

Motor cycle Accident – Motorcycle in roadway with damage and no operator present.

- FD used infrared to search for operator.

Wanted Male runs from Car Stop -

- Officer stops car for equipment violation. Passenger flees from vehicle with unknown object in his hand.
- Resources: 4 patrol officers, 1 Supervisor, 3 mutual Aid officers, 2 WPD K9's. K9 located suspect, but officer was injured during the search. Object never located.

Potential Uses -

- Runaway/Missing juveniles (Waterford Country School)
- Shoplifting suspects
- Neighborhood Patrol Checks
- Day or Night uses for general patrol effectiveness.
- Car breaks

M S Martin Enterprises, Inc.
NOPTIC National Master Distributor
1319 Sacandaga Rd.
West Charlton, NY 12010
(518) 441-9480
mike@msmpublicsafety.com

Estimate

MSM PUBLIC SAFETY

ADDRESS
Lt. Tim Silva Waterford Police Dept. 41 Avery Ln. Waterford, CT 06385

SHIP TO
Lt. Tim Silva Waterford Police Dept. 41 Avery Ln. Waterford, CT 06385

ESTIMATE #	DATE	EXPIRATION DATE
1252	11/15/2017	02/15/2018

SALES REP
MM

ACTIVITY	QTY	RATE	AMOUNT
NOPTIC Camera NV3-001-LED-MM NOPTIC complete system	4	3,595.00	14,380.00

TOTAL **$14,380.00**

Accepted By

Accepted Date

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford Police Department	**CONTACT PERSON** Brett Mahoney, Chief of Police
PROJECT NAME Locker Room Lockers	**DEPARTMENT PRIORITY** 5

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

The locker systems in the police department are as old as the building (built in 1992). The lockers are dealt with on a 24/7/365 basis, and house all of the Officer's equipment. This equipment has grown over the years, to include gear bags, uniforms, boots, bulletproof vests, patrol rifles, tasers, and other items that must be brought to the cruisers on each shift. The lockers are not vented, and allow sweat and mold to build up. The requested lockers have an attached bench, allowing for more room in between, as well as a bottom trayed drawer, which lets bulletproof vests (sweaty) and boots (wet/snow) to be separate from the rest of the equipment. Most importantly, the requested lockers tie into the current HVAC system, allowing for ventilation to the uniforms and equipment. Also included are electrical outlets and USB connections for mobile electonic items that officers now take on patrol daily.

2 PROJECT STATUS IF IN PROGRESS

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)

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR		19,575	20,163	20,768	21,392	
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**	**19,575**	**20,163**	**20,768**	**21,392**	**0**

Tiffin Metal Products
450 Wall Street, Tiffin, OH 44883
Phone: (800) 537-0983 Fax: (419) 447-8512
www.tiffinmetal.com

Quotation

BH11162016A

Project: Mens and Womens Locker Room Remodel

Quoted By: Brett Hossler
Phone: 8005370983
Email: bhossler@tiffinmetal.com
Date Created: 11/16/2016
Expiration: 03/31/2017

Submitted To:
Waterford CT PD
Brett Mahoney

Waterford , CT

F.O.B. 44883 | **Ship Method:** 1 Truck | **Terms:** 50% Down Payment; Net 30

Line #	Part Number	Product	Description	Qty	UOM	Unit Price	Ext. Price
1	PLK24246601	Personnel Lkr 24W X 24D X 66H	Combo, Keyed, Or Hasp - Single Door	66	Ea.	$470.00	$31,020.00
2	WBDA243318AA	Wardrobe Base Dwr 24Wx33Dx18H	Adder - Mechanical Lock - Drawer Base For Bench	66	Ea.	$240.00	$15,840.00
3	BENCHSEAT24AA	24W X 9.5D X 1.25H Hardwood	Standard Maple Finish	66	Ea.	$35.00	$2,310.00
4	TMP Electrical	3-3-2 Dedicated Neutral	Plug and Play System	66	Ea.	$110.00	$7,260.00
5	End panels			6	Ea.	$130.00	$780.00
6	Installation	Week Day Prevailing Wage		1		$18,430.00	$18,430.00
						Freight Charge	**$2,630.00**
						Total Price	**$78,270.00**

Notes: Quote is for :

66 - 24 x 24 x 66 Tiffin Metal Sentinel Personnel Lockers/ 24x36x18 base drawer with bench seat At 24 inches wide features single door opening and 16 gauge steel. All internal components are standard with every unit.Internal componets:1 shelf with integral hangbar, 1 large open cubbies, 1 lockable compartment, double hanging hook at cubbie, peg board with hooks on door back, internal release for drawer unit.
66 - 24 x 33 x 18 base drawers with bench seats

Lockers to included TMP Electrical 3-3-2 Plug and Play System

LIMITED WARRANTY

Tiffin Metal Products, Co. (TMP) warrants the good quality of the materials, workmanship and that its products are merchantable and fit for their intended purpose. This Limited Warranty for the Sentinel ® Locker Line expires of five (5) years after the date of product purchase. TMP does not provide any other express or implied warranties of any kind or nature. There are no warranties which extend beyond the description on the face of this Limited Warranty. The terms, conditions and operations of this Limited Warranty are available upon request prior to purchase.

Line #	Part Number	Product	Description	Qty	UOM	Unit Price	Ext. Price

Locking and Color TBD

Shipping to Waterford CT as 1 Truck

Installation is included

Accepted By: _____ **Date:** _____

LIMITED WARRANTY

Tiffin Metal Products, Co. (TMP) warrants the good quality of the materials, workmanship and that its products are merchantable and fit for their intended purpose. This Limited Warranty for the Sentinel ® Locker Line expires of five (5) years after the date of product purchase. TMP does not provide any other express or implied warranties of any kind or nature. There are no warranties which extend beyond the description on the face of this Limited Warranty. The terms, conditions and operations of this Limited Warranty are available upon request prior to purchase.

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford Police Department	**CONTACT PERSON** Brett Mahoney, Chief of Police
PROJECT NAME Accident Investigation Equipment	**DEPARTMENT PRIORITY** 4

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

As part of our police department's obligation, we must investigated fatal and serious injury accidents. The current accident investigation equipment we use to map out scenes, and it's accompanying software, is 7 years old (8 at time of replacement) and needs to be upgraded. This request seeks to upgrade our equipment and software, and then train members of our accident investigation team to utlize the new equipment.

2 PROJECT STATUS IF IN PROGRESS

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)

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		12,000				
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**	**12,000**	**0**	**0**	**0**	**0**

QUOTATION

LASER TECHNOLOGY
Measurably Superior®

6912 S. Quentin Street
Centennial, CO 80112
P: (303) 649-1000
F: (303) 649-1066

DATE: 3/16/2017

TO: **Waterford Police Department**
41 Avery Lane
Waterford, CT 06385

SALES REP: Kevin Fremont (518) 461-0164
CONTACT: Julie Nangle / 303.705.0053

ATTN: Sergeant Andrew Farrior
PHONE: 860.447.1456
FAX:
EMAIL: afarrior@waterfordct.org

SHIPPING METHOD		FOB POINT	PAYMENT TERMS	
FED EX Ground		Centennial, CO	NET 30	
QTY	ITEM #	DESCRIPTION	UNIT PRICE	LINE TOTAL
1	7035168	TRUPOINT 300 INCIDENT MAPPING PACKAGE	$3,825.00	$ 3,825.00
	INCLUDES:	TRUPOINT 300, QUICKMAP SOFTWARE 3D V.7 (ANDROID),		
		CT7" RUGGED TABLET (ANDROID), MOUNTING CLAW BASE,		
		7" TABLET XGRIP CRADLE, LASER AMING ASSIST, TRIPOD &		
		PREMIUM HARD CASE		
1	7006875	TRUPULSE 200X (MAPPING UNIT)	$1,795.00	$ 1,795.00
1	7006000	MAPSTAR TRUANGLE	$1,295.00	$ 1,295.00
1	3204652	CRASHZONE 10 w/ 3D VIEWER	$1,995.00	$ 1,995.00
1	7035070	TRUANGLE AI KIT	$1,075.00	$ 1,075.00
	INCLUDES:	8'.5" PRISM POLE, STROBE PRISM ASSY W/ 6 BATTERIES		
		SURVEY TRIPOD, SHERPA BAG HOLDS TRIPOD & PRISM		
		TRUPULSE 200X MOUNTING BRACKET, PLUMB BOB & FOLIAGE FILTER		
1	7035166	PREMIUM HARD CASE UPGRADE FOR TRUANGLE KIT	$ 100.00	$ 100.00
1	3004670	TRIBRACH ADAPTER	$ 47.25	$ 47.25
1	3003255	TRIBRACH	$ 199.00	$ 199.00
1	3014653	TWO DAY ON SITE TRAINING UP TO 8 ATTENDEES FOR HOST	$1,500.00	$ 1,500.00
		DEPARTMENT ONLY		
			SUBTOTAL	$11,831.25
			SALES TAX	
			FREIGHT	$ 150.00
			TOTAL	$11,981.25

LEASE TO OWN OPTIONS NOW AVAILABLE!
Ask your Sales Representative for more details.

TERMS AND CONDITIONS:
Prices noted above are not valid with any other quotes or offers. Pricing does not include applicable sales tax. A 15% restocking fee will be added to all cancelled or returned orders. Shipping charges are estimated and subject to change. Please allow 3-4 weeks for delivery, unless otherwise specified. Quotation expires after 30 Days.

Authorized By *Date*

Authorized By *Date*

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	CONTACT PERSON
Waterford Police Department	Brett Mahoney, Chief of Police
PROJECT NAME	**DEPARTMENT PRIORITY**
Range Improvements	6

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

The Waterford Police Department range trailer has been in place at the range at the Municipal Complex since the early 1990s. The range trailer is a former construction trailer which has rot in the floor and metal supports, and is increasingly unstable for Waterford and area police personnel that utlize the trailer. We seek to replace this trailer with a wooden shed trailer of approximately the same size, and purchase a carport for the officers to stay out of the elements when necessary. The remaining money will be utilized for site alterations to set both items, and to put lighting and receptacles in for electric needs.

2 PROJECT STATUS IF IN PROGRESS

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)

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		14,000				
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**	**14,000**	**0**	**0**	**0**	**0**

Brett Mahoney

From: James Dimmock
Sent: Wednesday, November 15, 2017 2:25 PM
To: Brett Mahoney; Marlena Montgomery
Subject: FW: Carefree Buildings

Here is the range building capitol improvement quote from carefree buildings

Sergeant James Dimmock
Waterford Police Department, Training Officer
41 Avery Lane
Waterford Connecticut, 06385
860-442-9451, Ext. 2304
jdimmock@waterfordct.org

-----Original Message-----
From: Matt [mailto:matt@carefreebuildings.com]
Sent: Wednesday, November 15, 2017 2:24 PM
To: James Dimmock
Subject: Carefree Buildings

Good afternoon Sgt. Dimmock and thank you for the phone call.

As we discussed over the phone, we can build you our 14'x36' Carefree Cape with vinyl siding, four 24"x36" windows and an overhead garage door. The building will also include a 4' loft for extra storage, and your choice of a 30" or 36" entry way door.

Regular price for this building is $13,930, but for being used for the Waterford Police Department your discounted price is $11,500 a savings of $2,430. We have a lead time of 5-7 weeks right now weather permitting. If you have any questions please feel free to call or email me back, thank you and have a great day.

--
Matt Gustafson
Matt@CarefreeBuildings.com
860-267-7600

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Staples

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Law Enforcement, Fire & Security
Alarm systems

Manufacturers/Brands

HORIZON STRUCTURES
HORIZON STRUCTURES, LLC
HORIZON STRUCTURES LLC
HORIZONS STRUCTURES, LLC

Photos

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- See All

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Green/Special Programs

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< Previous Page 1 | 2



8X10 SECURITY SHELTER - GUARD HOUSE - WO
GP0810SEC-W
$5,859.09 EA
30 days delivered ARO
From 1 source

8x10 Pre-Built Security Shelter - Guard House - WOOD

Mfr: HORIZON STRUCTURES LLC

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



10X26 SINGLE GARAGE
GP1026SW
$4,490.83 EA
30 days delivered ARO
From 1 source

SINGLE WIDE GARAGE: 10 x 26 CONSTRUCTION: 7' side walls, 10' base to roof ROOF: wood sheathing, asphalt shingle WALLS: wood grain residential exterior siding, painted, built on 4x4...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)

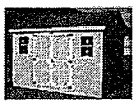


24X24 DOUBLE GARAGE - VINYL SIDING
GP2424DWV
$11,971.31 EA
30 days delivered ARO
From 1 source

DOUBLE WIDE GARAGE: 24 x 24 ROOF: 4/12 Pitch, 1x2" wood sheathing, asphalt shingle WALLS: 7' side walls, residential vinyl exterior siding, built on 4x4 pressure-treated skids FLOO...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



12X16 STORAGE SHED / A-FRAME
GP1216AF
$3,318.04 EA
30 days delivered ARO
From 1 source

STORAGE SHED: 12 x 16, "A-Frame" style CONSTRUCTION: 7' side walls, 10' base to roof ROOF: wood sheathing, asphalt shingle WALLS: wood grain residential exterior siding, painted, b...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



10X24 RUN-IN SHED
GP1024RI

$3,904.43 EA
30 days delivered ARO
From 1 source

10 x 24 Run-In Shed. Perfect 3-sided shelter for horses or other livestock. Ideal for storage, too. 4' high oak kickboard, wood grain exterior siding - painted, 16" space rafter sp...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



12X24 SINGLE GARAGE
GP1224SW

$4,543.61 EA
30 days delivered ARO
From 1 source

SINGLE WIDE GARAGE: 12 x 24 CONSTRUCTION: 7' side walls, 10' base to roof ROOF: wood sheathing, asphalt shingle WALLS: wood grain residential exterior siding, painted, built on 4x4...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



12X16 STORAGE SHED / MINI BARN
GP1216MB

$3,175.35 EA
30 days delivered ARO
From 1 source

STORAGE SHED: 12 x 16, "Mini Barn" style CONSTRUCTION: 4' side walls, 8' base to roof ROOF: wood sheathing, asphalt shingle WALLS: wood grain residential exterior siding, painted, ...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



12X24 RUN-IN SHED
GP1224RI

$4,543.61 EA
30 days delivered ARO
From 1 source

12 x 24 Run-In Shed. Perfect 3-sided shelter for horses or other livestock. Ideal for storage, too. 4' high oak kickboard, wood grain exterior siding - painted, 16" space rafter sp...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



20X24 DOUBLE GARAGE
GP2024DW

$8,550.66 EA
30 days delivered ARO
From 1 source

DOUBLE WIDE GARAGE: 20 x 24 ROOF: 4/12 Pitch, 1x2" wood sheathing, asphalt shingle WALLS: 7' side walls, wood grain 1/2" residential exterior siding - painted, built on 4x4 pressur...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



8X10 STORAGE SHED / A-FRAME
GP0810AF

$2,002.55 EA
30 days delivered ARO
From 1 source

STORAGE SHED: 8 x 10, "A-Frame" style CONSTRUCTION: 7' side walls, 10' base to roof ROOF: wood sheathing, asphalt shingle WALLS: wood grain residential exterior siding, painted, bu...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



36X24 LOW PROFILE BARN
GP3624LP
$23,699.27 EA
30 days delivered ARO
From 1 source

36 x 24 Horse Barn. Portable structure. Animal shelter. Livestock housing. Agricultural shelter. Portable barn. Temporary barn. Equine housing. Stalls. 3 12x12 stalls, 12x12 storag...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



10X12 STORAGE SHED / A-FRAME
GP1012AF
$2,536.17 EA
30 days delivered ARO
From 1 source

STORAGE SHED: 10 x 12, "A-Frame" style CONSTRUCTION: 7' side walls, 10' base to roof ROOF: wood sheathing, asphalt shingle WALLS: wood grain residential exterior siding, painted, b...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



10X20 SHEDROW HORSE BARN
GP1020HB
$5,077.23 EA
30 days delivered ARO
From 1 source

10 x 20 2-Stall Shedrow Horse Barn Wood grain exterior siding - painted, 16" space rafter spacing, 2x4 wall studs - 16" on center covered by plywood sheeting (above 4' high solid o...

Mfr: HORIZONS STRUCTURES, LLC

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



36X24 MONITOR BARN
GP3624MN
$32,690.71 EA
30 days delivered ARO
From 1 source

36 x 24 Horse Barn with Loft. Portable structure. Animal shelter. Livestock housing. Agricultural shelter. Portable barn. Temporary barn. Equine housing. Stalls. 2 12x12 stalls, 12...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



10X38 SHEDROW HORSE BARN
GP1038HB
$9,182.02 EA
30 days delivered ARO
From 1 source

10 x 38 Shedrow Horse Barn. 3 10x10 stalls & 8x10 storage room. Stalls include: 4' high oak kickboard, Dutch door with steel chew guard, window with powder-coated steel bars, parti...

Mfr: HORIZON STRUCTURES, LLC

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



12X24 SINGLE GARAGE - VINYL SIDING
GP1224SWV
$5,423.20 EA
30 days delivered ARO
From 1 source

SINGLE WIDE GARAGE: 12 x 24 CONSTRUCTION: 7' side walls, 10' base to roof ROOF: wood sheathing, asphalt shingle WALLS: residential vinyl exterior siding, built on 4x4 pressure-trea...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



20X24 DOUBLE GARAGE - VINYL SIDING
GP2024DWV
$10,896.25 EA
30 days delivered ARO
From 1 source

DOUBLE WIDE GARAGE: 20 x 24 ROOF: 4/12 Pitch, 1x2" wood sheathing, asphalt shingle WALLS: 7' side walls, residential vinyl exterior siding, built on 4x4 pressure-treated skids FLOO...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



24X30 DOUBLE GARAGE
GP2430DW
$11,384.92 EA
30 days delivered ARO
From 1 source

DOUBLE WIDE GARAGE: 24 x 30 ROOF: 4/12 Pitch, 1x2" wood sheathing, asphalt shingle WALLS: 7' side walls, wood grain 1/2" residential exterior siding - painted, built on 4x4 pressur...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



10X32 SHEDROW HORSE BARN
GP1032HB
$7,573.33 EA
30 days delivered ARO
From 1 source

10 x 32 Shedrow Horse Barn - 2-10x12 Stalls and 8 x 10 Storage Room. Stalls include: 4' high oak kickboard, Dutch door with steel chew guard, window with powder-coated steel bars, ...

Mfr: HORIZON STRUCTURES, LLC

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



12X48 SHEDROW HORSE BARN
GP1248HB
$13,046.38 EA
30 days delivered ARO
From 1 source

12 x 48 Shedrow Horse Barn. 4 12x12 stalls. Stalls include: 4' high oak kickboard, Dutch door with steel chew guard, window with powder-coated steel bars, partition with powder-coa...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



36X36 LOW PROFILE BARN
GP3636LP
$33,863.51 EA
30 days delivered ARO
From 1 source

36 x 36 Horse Barn. Portable structure. Animal shelter. Livestock housing. Agricultural shelter. Portable barn. Temporary barn. Equine housing. Stalls. 5 12x12 stalls, 12x12 storag...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



12X36 RUN-IN SHED
GP1236RI
$6,791.47 EA
30 days delivered ARO

12 x 36 Run-In Shed. Perfect 3-sided shelter for horses or other livestock. Ideal for storage, too. 4' high oak kickboard, wood grain exterior siding - painted, 16" space rafter sp...

From 1 source

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



14X24 SINGLE GARAGE
GP1424SW

$5,468.16 EA

30 days delivered ARO

From 1 source

SINGLE WIDE GARAGE: 14 x 24 CONSTRUCTION: 7' side walls, 10' base to roof ROOF: wood sheathing, asphalt shingle WALLS: wood grain residential exterior siding, painted, built on 4x4...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)



20X20 DOUBLE GARAGE - VINYL SIDING
GP2020DWV

$9,527.99 EA

30 days delivered ARO

From 1 source

DOUBLE WIDE GARAGE: 20 x 20 ROOF: 4/12 Pitch, 1x2" wood sheathing, asphalt shingle WALLS: 7' side walls, residential vinyl exterior siding, built on 4x4 pressure-treated skids FLOO...

Mfr: HORIZON STRUCTURES

Contractor: HORIZON STRUCTURES [GS-07F-0630W] (s)

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Found 4 products matching the following criteria.

Criteria: GS-07F-0216L in contract number and 361 10A in Special Item Number (SIN)

Sort by: Most relevant | Limit by price: ---------- | Search within results: Find any of these words GO



8,000 SQ FT WAREHOUSE
NWHS8
$86,835.00 EA
60 days delivered ARO
From 1 source

80' wide, 100' long PEMB with 16' eave height and a 2:12 roof pitch, two 14' x 14' coiling overhead doors & framed openings, three 3'x7' framed openings & personnel doors with comm...

Mfr: NUCOR

Contractor: K-CON INC. [GS-07F-0216L] (s)



PEB 8,000
NPEB8
$215,993.00 EA
60 days delivered ARO
From 1 source

80' wide, 100' long PEMB with 16' eave height and a 2:12 roof pitch with eight translucent panels, one 14' x 14' opening coiling overhead door with chain hoist and two bollards. On...

Mfr: NUCOR

Contractor: K-CON INC. [GS-07F-0216L] (s)

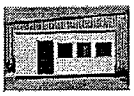


5,000 SQ FT WAREHOUSE
NWHS5
$61,708.00 EA
60 days delivered ARO
From 1 source

50' wide, 100' long PEMB with 16' eave height and a 2:12 roof pitch, two 14' x 14' coiling overhead doors & framed openings, two 3'x7' framed openings & personnel doors with commer...

Mfr: NUCOR

Contractor: K-CON INC. [GS-07F-0216L] (s)



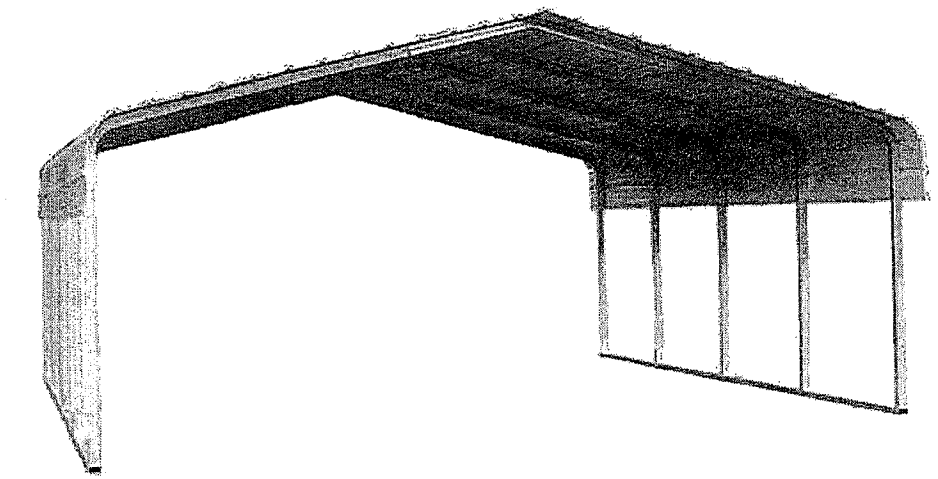
EXTERIOR BUILDING 10 X 20
E200G
$19,218.19 EA
60 days delivered ARO
From 1 source

Exterior building consists of A/A gable roof with 9" overhang, polystyrene pellet insulated walls, aluminum/board exterior with board/gypsum interior. Fire-rated. System includes i...

Mfr: PANEL-BUILT

Contractor: K-CON INC. [GS-07F-0216L] (s)

Store SO SKU #1000947257



VersaTube

18 ft. W x 20 ft. L x 7 f

★★★★½ (15) Write a Review Que

- 360 sq. ft. storage area with 18 ft. frame
- Higher snow and wind loads require a St
- Home freight delivery requires unloadin

$1594.44 /each

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	CONTACT PERSON
Waterford Police Department	Brett Mahoney, Chief of Police
PROJECT NAME	**DEPARTMENT PRIORITY**
Utility Terrain Vehicle	8

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

The Waterford Police Department currently utlizes a Kawasaki "Mule" UTV that was purchased through a grant opportunity in 2006. The UTV has been utilized numerous times for search and rescue incidents, crowd control including parades and the Waterford Speedbowl, as well as patrolling the Waterford Town Beach, which resulted in transports from the beach for medical issues. The potential exists to trade in our current Mule and a jet-ski to save money on this purchase, if that is acceptable to the Finance Department.

2 PROJECT STATUS IF IN PROGRESS

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)

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital			12,000			
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	0	12,000	0	0	0

MOTORSPORTS NATION

110 Cross Road
Waterford, CT 06385
860-439-0110

Sales Deal Summary

Deal Number: 1006939
Date: 11/22/2017
Delivery Date: 11/22/2017
Finalized Date:
First Payment Due: 12/22/2017

Customer:

WATERFORD, TOWN OF
15 ROPE FERRY RD
WATERFORD, CT 06385
h:860-917-5807 w:8604445842

Major Units	Stock #	Year	Make	Model	Model Name	VIN
	TBD WPD	2018	POLARIS	R18RNE57BV	RGR 4	

Trades	Stock #	Year	Make	Model	Model Name	VIN
		2008	KAWASAKI			
		2006	SEA DOO			

Major Units

Unit Price	$11,995.00
Freight	$0.00
Handling	$0.00
Total Unit	**$11,995.00**
Parts and Accessories	$0.00
Installation	$0.00
Total Parts and Install	**$0.00**
Prepaid Maintenance	$0.00
Delivery	$0.00
VSI Insurance	$0.00
UCC Fee	$0.00
Parts & Accessories	$0.00
RI Rebate	$0.00
Total Dealer Defined	**$0.00**

Fees & Insurance

Vehicle Tax	$0.00
Sales Tax	$0.00
Doc Fees	$149.00
License Fees	$0.00
Total Fees	**$149.00**
Service Contract	$0.00
Prop / Liab Insurance	$0.00
Credit Life	$0.00
Accident / Health	$0.00
Total Insurance Taxes	$0.00
Total Insurance	**$0.00**
Theft Protection	$0.00
GAP Insurance	$0.00
Tire & Wheel	$0.00
Total Dealer Defined	**$0.00**

Down Payment

Total Previous Payments	$0.00
Additional Pmt Today	$0.00
Deferred Payment	$0.00
Financing	$0.00
Manuf to Cust Rebate	$0.00
Total Down Payment	**$0.00**
Trade Allowance	$5,000.00
Less Trade Payoff	$0.00
Trade Equity	**$5,000.00**

Financing

Total Price	$12,144.00	Term	1
Less Down	$5,000.00	APR	0.000%
Amount Financed	$7,144.00	Add-on	0.0%
Finance Charge	$0.00	Extra	0.0%
Total of Payments	$7,144.00	**Monthly Payment**	$7,144.00

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford Police Department	**CONTACT PERSON** Brett Mahoney, Chief of Police
PROJECT NAME **Marine Outboard Motors**	**DEPARTMENT PRIORITY** 9

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

The Waterford Police Department currently utilizes a Sea Arc marine vessel on a grant in 2012. The vessel will need to be repowered in 2023, two Yamaha 300 engines are requested as these were the specc'ed engines when purchased. This vessel is split with the Town of East Lyme, so only one of the two engines should be purchased by Waterford, the East Lyme Police Chief is aware of their responsibility for purchase. The quotes shown are from the GSA contract.

2 PROJECT STATUS IF IN PROGRESS

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)

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR			9,250	9,250	9,250	9,250
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**	**0**	**9,250**	**9,250**	**9,250**	**9,250**

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Found **153,674** products matching the following criteria.

Criteria: GS-07F-0072N in contract number and 260 09 in Special Item Number (SIN) and " outboard " and " 300hp outboard "

Sort by: Most relevant | Limit by price: ---------- | Search within results: Find any of these words GO

1 | 2 | 3 | 4 | 5 Next Page >



300HP 4 STROKE OUTBOARD MOTOR
F300XCA
$18,373.32 EA
15 days delivered ARO
From 2 sources
300HP 4 Stroke Outboard Motor
Mfr: YAMAHA
Contractor: CENTRAL FLORIDA YAMAHA [GS-07F-0072N] (s v h)



300HP 4 STROKE OUTBOARD MOTOR
F300UCA
$18,655.39 EA
15 days delivered ARO
From 2 sources
300HP 4 Stroke Outboard Motor
Mfr: YAMAHA
Contractor: CENTRAL FLORIDA YAMAHA [GS-07F-0072N] (s v h)



300HP 4 STROKE OUTBOARD MOTOR
LF300XCA
$18,874.76 EA
15 days delivered ARO
From 2 sources
300HP 4 Stroke Outboard Motor
Mfr: YAMAHA
Contractor: CENTRAL FLORIDA YAMAHA [GS-07F-0072N] (s v h)



300HP 4 STROKE OUTBOARD MOTOR
LF300UCA
$19,170.08 EA
15 days delivered ARO
From 2 sources
300HP 4 Stroke Outboard Motor
Mfr: YAMAHA
Contractor: CENTRAL FLORIDA YAMAHA [GS-07F-0072N] (s v h)

HONDA 20HP OUTBOARD MOTOR BF20D3SH
BF20D3SH
$2,816.88 EA
15 days delivered ARO
Honda 20HP Outboard Motor BF20D3SH
Mfr: HONDA

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	CONTACT PERSON
Waterford Police Department	Brett Mahoney, Chief of Police
PROJECT NAME	**DEPARTMENT PRIORITY**
Impound yard improvements	7

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

The Waterford Police Department seeks to improve the impound yard at the Police Department, which is overcrowded and hard to operate within. A two story building with a three bay garage, properly functioning gates, adequate lighting, additional security cameras and privacy netting for the fencing would be purchased over a span of years. We do not currently have quotes for these items but will procure them, this request is a placeholder.

2 PROJECT STATUS IF IN PROGRESS

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)

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR			20,000	20,000	20,000	
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**	**0**	**20,000**	**20,000**	**20,000**	**0**

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	CONTACT PERSON
Waterford Police Department	Brett Mahoney, Chief of Police
PROJECT NAME	**DEPARTMENT PRIORITY**
Range Improvements	6

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

The Waterford Police Department range trailer has been in place at the range at the Municipal Complex since the early 1990s. The range trailer is a former construction trailer which has rot in the floor and metal supports, and is increasingly unstable for Waterford and area police personnel that utlize the trailer. We seek to replace this trailer with a wooden shed trailer of approximately the same size, and purchase a carport for the officers to stay out of the elements when necessary. The remaining money will be utilized for site alterations to set both items, and to put lighting and receptacles in for electric needs. Two "quotes" are attached - one the GSA contract, the second a local company. The GSA contract does not include delivery and setup, the local company does.

2 PROJECT STATUS IF IN PROGRESS

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)

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		14,000				
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**	**14,000**	**0**	**0**	**0**	**0**

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford Police Department	**CONTACT PERSON** Brett Mahoney, Chief of Police
PROJECT NAME Unmanned Aerial Vehicle	**DEPARTMENT PRIORITY** 3

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

Unmanned Aerial Vehicles (UAV) or "Drones" have become a very useful tool for law enforcement. The Waterfofrd Police Department seeks to purchase a UAV, and train several officers on varying shifts to use this technology. The UAV will be used in conjunction with the requested in car infrared technology to locate missing persons, fleeing suspects, and mapping of motor vehicle crashes. Other uses include Emergency Management for disaster recovery, flooding, etc, as well as radiation detection for the nuclear power facility.

2 PROJECT STATUS IF IN PROGRESS

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

Infrared cameras in cars, Accident and crime scene mapping.

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

Training will need to be kept updated yearly.

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		20,000				
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**	**20,000**	**0**	**0**	**0**	**0**

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM-FY 2019-2023

	DEPARTMENT/ AGENCY:	Waterford Recreation & Parks Commission						
DEPT PRIORITY	PROJECT NAME	FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTAL
1	Veteran's Field Irrigation	1	13,700.00					13,700.00
2	Leary Park Irrigation	1	47,300.00					47,300.00
3	Children's Playground	1,8	25,000.00					25,000.00
4	Stenger Farm Park Restrooms	1	87,000.00					87,000.00
5	Veteran's Field Lighting	3		306,000.00				306,000.00
								0.00
								0.00
								0.00
								0.00
	TOTALS		173,000.00	306,000.00	0.00	0.00	0.00	479,000.00

INDEX TO FUNDING SOURCES,

1 CURRENT YEAR CAPITAL IMPROVEMENTS
3 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

DEPARTMENT/AGENCY	CONTACT PERSON
Waterford Recreation & Parks Commission	Brian W. Flaherty
PROJECT NAME	**DEPARTMENT PRIORITY**
Veteran's Field Irrigation	1

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

*The purpose of this project will be to install a field irrigation system for the Veteran's softball field. The first stage would be establishing the required connection to the existing water system by a pit tap and installation of a back flow preventer. It would also include running a main line to the field and installation of the irrigation lines in zones, sprinkler heads, valves, master control unit and water sensors. All parts, labor, and training would be included, such as initial start-up and winterizing. It is well documented that irrigation is vital for healthy turf. It allows measured amounts of water to sustain the turf. The result is a safe playing surface.
Accomplishments to include:
• Our current amount of practice and sport fields in town is not meeting demand. This can be shown by new sports requiring fields such as the emergence of lacrosse and the continued interest in traditional sports in recent years, as well as the loss of some field space at Oswegatchie School several years ago. With improved turf that the irrigation will help provide, additional field rental income is expected.
• Infield surfaces such as clay also benefit by way of dust control.
Currently, this field hosts WHS Freshman, JV, and Varsity WHS Girls softball (Home field), WHS Track & Cross Country, our Men's softball league, sport camps, general public use, and various public rentals. Estimated budget project cost: $13,700 (5% contingency)

2 PROJECT STATUS IF IN PROGRESS

*The irrigation system plan has been completed in the past and will be checked for any cost savings and new technologies, such as less expensive material options.

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

*A plan including this area of the Civic Triangle Park is being developed with the planning department and other town departments. The accessible sidewalk by the bathrooms along with drainage and landscaping improvements, should be completed prior to the start of this project. We've been informed by the BOE Finance Director that they may have funds to do field improvements such as new dugouts. The result will be a much improved park and recreation area.

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

• Healthy turf requires less fertilizer, weed/pest control, overseeding, and basic maintenance. Estimated water cost will be approximately $800. Water sensors will conserve water.

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)

Town match would include our maintenance staff involved with part of the installation. We would also request the assistance of the BOE plumber and electrician for water source connection and electrical service required.

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

Original irrigation plan available at the Recreation & Parks office. Due to it's large size, it was not included.

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		13,700				
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	13,700	0	0	0	0

426 Boston Post Road, Waterford, CT 06385
(860) 525-7000
HIC # 0646757/CT P1 LIC # 281770
www.maxumirrigation.com

November 14, 2017

Brian Flaherty
Town of Waterford
Parks and Recreation

Sent via email: BFlaherty@waterfordct.org
Phone: 860-444-5881

PROPOSAL

Maxum Irrigation Group, LLC greatly appreciates the opportunity to quote your irrigation system. We pride ourselves on exceeding customer expectations. The majority of our new customers are referred by existing customers.

Our quote is for a complete system, including permits, internal plumbing, spray heads, valves, piping, valve box (s), controller, rain sensor and back flow preventer. There are no additional costs. Our job isn't completed until you are 100% satisfied and fully understand your new irrigation system.

Leary Park:
Parts: $30,850.00
Labor: $14,150.00
Total: $45,000.00

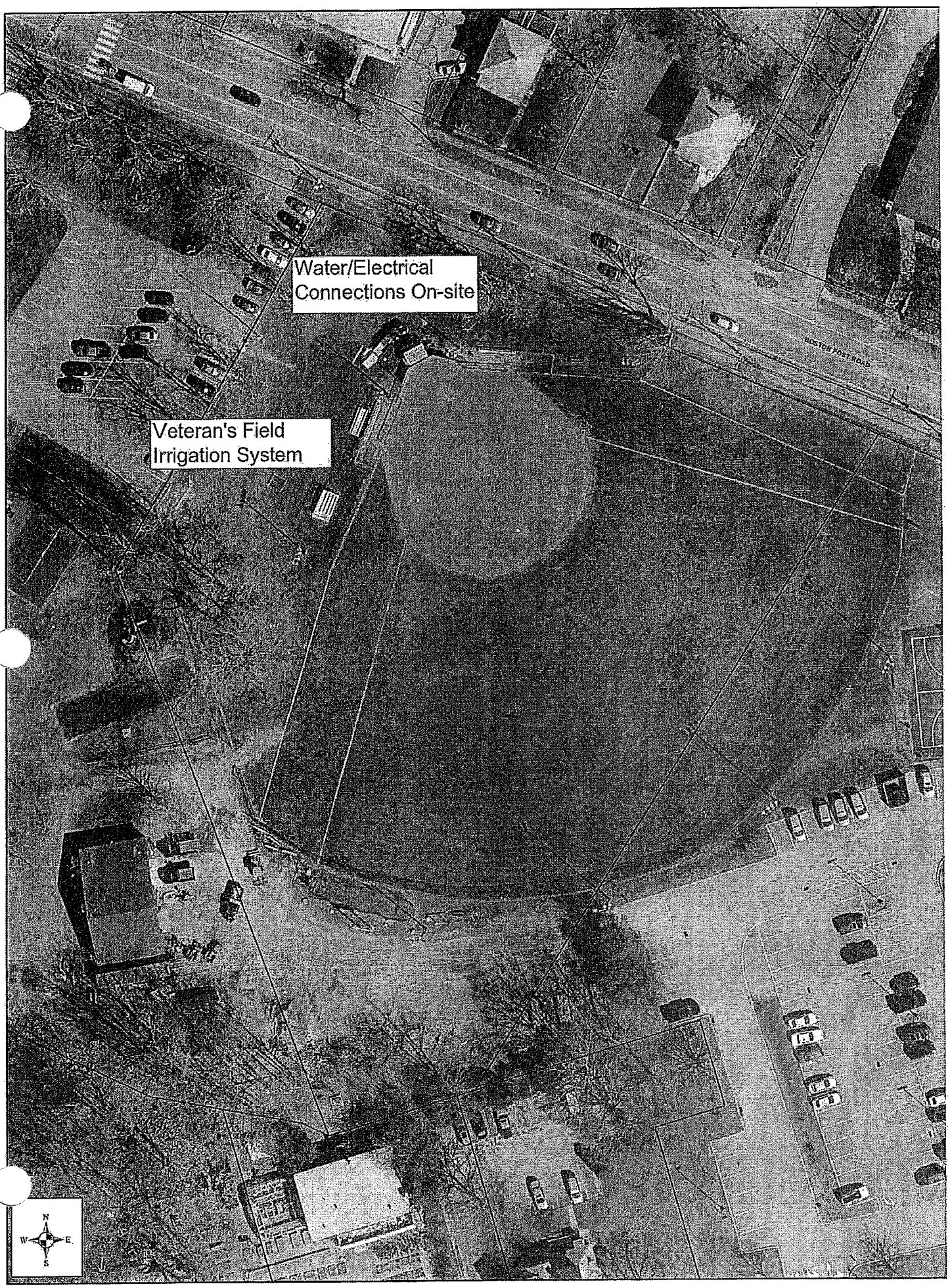
Veterans Park:
Parts: $6,190.00
Labor: $6,810.00
Total: $13,000.00

The aforesaid estimate is assuming The Town of Waterford will provide plumbing for the water source and electrical service.

This estimate is for the purpose of providing an estimated cost to install irrigation systems as per the aforementioned plans for budge purposes only, and, as such, is a non-binding basis for discussion and is not to be construed as a contract of any sort.

Note: This Quote is valid for thirty (30 days). All underground obstacles not identified by C.B.Y.D. (Call-Before-You-Dig) on the property must be identified by the authorized signer. Property owner is responsible for identifying all underground wire, septic systems, invisible dog fence, etc. The company is not responsible for damages to dog fences, unidentified underground wire, septic systems, or a change in water volume or pressure, which may affect the performance of the system design. Permits, if required, are billed as an extra cost, unless specially included in the proposal. Large volume rock removal and additional topsoil, if required, is an additional cost. Quote is based upon customer providing electrical service, water source and additional meters, if required and not specifically mentioned above. Unless specifically identified in our quote, all piping is synthetic and specifically excludes any copper materials. Parts and items listed above are subject to change based upon adjustments during installation.

Accepted by Date Printed Name


Water/Electrical
Connections On-site
Veteran's Field
Irrigation System
BOSTON POST ROAD
N
W
E
S

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford Recreation & Parks Commission	**CONTACT PERSON** Brian W. Flaherty
PROJECT NAME Leary Park Irrigation System	**DEPARTMENT PRIORITY** 2

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

The purpose of this will be to install a athletic field irrigation system for the baseball, softball, and multi-purpose fields at the park. The first stage would be establishing the required connection to the existing water system by a pit tap and installation of a back flow preventer. It would also include running a main line to the field and installation of the irrigation lines in zones, sprinkler heads, valves, master control unit and water sensors. All parts, labor, and training included, such as initial start-up and winterizing. It is well documented that Irrigation is vital for healthy turf. It allows measured amounts of water to sustain the turf. The result is a safe playing surface. Accomplishments to include:

- Our current amount of practice and sport fields in town is not meeting demand. This can be shown by new sports requiring fields such as the emergence of lacrosse and the continued interest in traditional sports in recent years, as well as the loss of some field space at Oswegatchie School several years ago.
- Healthy turf requires less fertilizer, weed/pest control, overseeding, and basic maintenance.
- Infield surfaces such as clay also benefit by way of dust control.

Currently, these fields hosts WHS Freshman, JV, and Varsity Baseball, Babe Ruth Baseball, American Legion Baseball, WHS Girls Soccer, Senior/Big League Girls Softball League, Little League Baseball, Waterford Soccer Club, Waterford Lacrosse League, general public use, and various public rentals. Estimated budget project cost: $45,000(Tap & pit modification, mainline & wire, soccer field) + 5% contingency of $2250: Total: $47,300

Cost savings will occur byway of our staff assisting with some excavation for the system. Cost reduction can be achieved byway of utilizing new technology, and additional cost savings will occur by completing in the same year.

2 PROJECT STATUS IF IN PROGRESS

*The irrigation system plan has been completed in the past and will be checked for any cost savings and new technologies, such as less expensive material options.

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)

Labor and material cost savings since irrigated turf requires less maintenance. Approximately $1500 in yearly utility costs. Rain sensors will conserve water.

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)

Town match would include our maintenance staff involved with part of the installation. We would also request the assistance of the BOE plumber and electrician for water source connection and electrical service required.

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

Original irrigation plan available at the Recreation & Parks office. Due to it's large size, it was not included.

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		47,300				
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	47,300	0	0	0	0

426 Boston Post Road, Waterford, CT 06385
(860) 525-7000
HIC # 0646757/CT P1 LIC # 281770
www.maxumirrigation.com

November 14, 2017

Brian Flaherty
Town of Waterford
Parks and Recreation

Sent via email: BFlaherty@waterfordct.org
Phone: 860-444-5881

PROPOSAL

Maxum Irrigation Group, LLC greatly appreciates the opportunity to quote your irrigation system. We pride ourselves on exceeding customer expectations. The majority of our new customers are referred by existing customers.

Our quote is for a complete system, including permits, internal plumbing, spray heads, valves, piping, valve box (s), controller, rain sensor and back flow preventer. There are no additional costs. Our job isn't completed until you are 100% satisfied and fully understand your new irrigation system.

Leary Park:
Parts: $30,850.00
Labor: $14,150.00
Total: $45,000.00

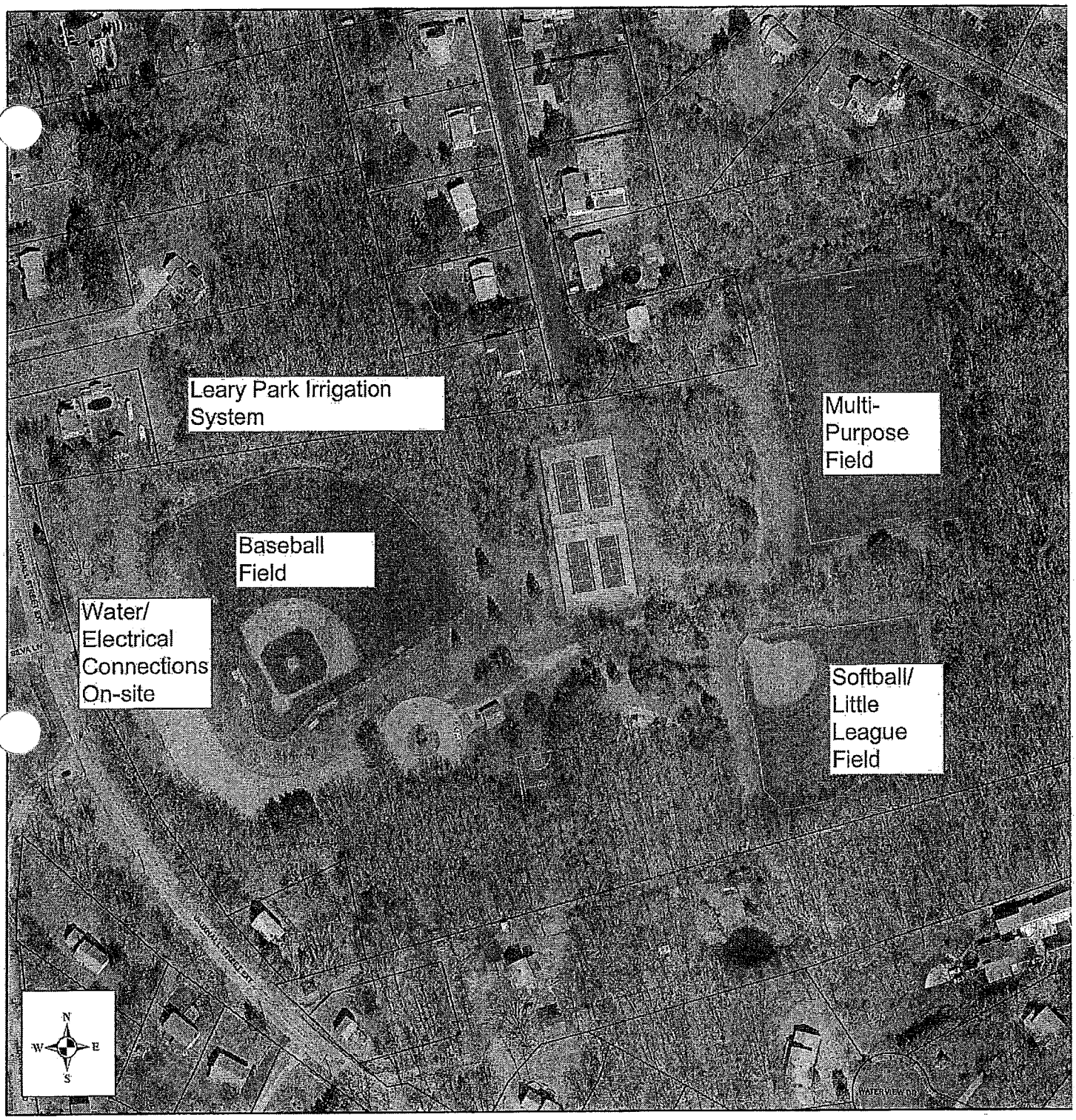
Veterans Park:
Parts: $6,190.00
Labor: $6,810.00
Total: $13,000.00

The aforesaid estimate is assuming The Town of Waterford will provide plumbing for the water source and electrical service.

This estimate is for the purpose of providing an estimated cost to install irrigation systems as per the aforementioned plans for budge purposes only, and, as such, is a non-binding basis for discussion and is not to be construed as a contract of any sort.

Note: This Quote is valid for thirty (30 days). All underground obstacles not identified by C.B.Y.D. (Call-Before-You-Dig) on the property must be identified by the authorized signer. Property owner is responsible for identifying all underground wire, septic systems, invisible dog fence, etc. The company is not responsible for damages to dog fences, unidentified underground wire, septic systems, or a change in water volume or pressure, which may affect the performance of the system design. Permits, if required, are billed as an extra cost, unless specially included in the proposal. Large volume rock removal and additional topsoil, if required, is an additional cost. Quote is based upon customer providing electrical service, water source and additional meters, if required and not specifically mentioned above. Unless specifically identified in our quote, all piping is synthetic and specifically excludes any copper materials. Parts and items listed above are subject to change based upon adjustments during installation.

Accepted by Date Printed Name


Leary Park Irrigation System
Multi-Purpose Field
Baseball Field
Water/ Electrical Connections On-site
Softball/ Little League Field
N
W
E
S

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Waterford Recreation & Parks Commission	**CONTACT PERSON** Brian W. Flaherty
PROJECT NAME Children's Playground at Civic Triangle Park	**DEPARTMENT PRIORITY** 3

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

The Children's Playground continues to grow thanks to the generosity of the Gardiner's Family Foundation, town capital funding, volunteer and staff efforts. It was opened in May of 2011 and continues to serve many families in our community. Children of all abilities can enjoy utilizing the playground. The intent from the beginning was to add equipment to the playground as funds become available. As shown on the conceptual plan, the existing playground will be enhanced with a GeoPlex Climbing Net Structure along with a climbing wall, lolliladder, tightrope bridge, blender spinner, and geoplex climber. Price includes all equipment, installation, and poured-in-place rubber safety surfacing. The contributed gift fund balance as of 11/17 is approximately $20,000. The Gardiner Family Foundation will be donating another $10,000 as of 7/18. We are requesting a $25,000 designation of town capital funds to bring the project budget estimate total to $55,000(CT State Contract Pricing/Contract#17PSX0081).

2 PROJECT STATUS IF IN PROGRESS

Project is reviewed yearly. In November of 2017, a We-Saw and Pointe Rock Climber were installed along with poured in place safety surfacing.

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

*A plan including this area of the Civic Triangle Park is being developed with the planning department and other town departments. The accessible sidewalk by the bathrooms along with drainage and landscaping improvements, should be completed prior to the start of this project. The result will be a much improved and accessible park and recreation area in the Town's Civic Triangle.

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

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)

Continued donations by the Gardiner Family Foundation will allow us to continue this worthwhile project. The contributed gift fund balance designated for this project stands at $20,000, with an additional pledge of $10,000 from the foundation in 7/18.

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		25,000				
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	25,000	0	0	0	0

O'BRIEN & SONS
ELEMENTS FOR A GREAT OUTDOORS

M.E. O'BRIEN & SONS, INC.
93 West Street - P O Box 650 / Medfield MA 02052
508-359-4200 (phone) / 508-359-2817 (fax)
SDO Certified WBE (MA Only)

QUOTATION

Date: November 16, 2017

Job: Triangle Park

Location: Waterford, CT

Salesman: Peter Wallace, CPSI / Phone: 203-805-4325 / Fax: 203-805-4265
Peter_Wallace@obrienandsons.com

Attention: Brian Flaherty, Director / bflaherty@waterfordct.org

---

We are pleased to offer our quotation on the following for the above subject job:

CT STATE CONTRACT PRICING / CONTRACT #17PSX0081

QTY	DESCRIPTION	TOTAL
	Play Equipment by Landscape Structures, Inc. - #MEO17560	
1	GeoPlex Climbing Net Structure with attached components: ▪ Climbing Wall ▪ Lolliladder ▪ Tightrope Bridge ▪ Blender Spinner ▪ GeoPlex Climber	
		$23,335 less 5% **$22,168.00**

Surface America – PlayBound Poured-In-Place

- Materials and installation of rubber only
- Sub-base is by others
- 50% black, 50% tan, speckled mix
- 1,000 square feet
- 4-1/2" thick system for 10' fall height
- Standard aromatic binder is included
- ***M.E. O'Brien & Sons is NOT responsible for plan take-offs. It is the responsibility of the purchaser to approve/purchase items "per plan". All quantities, square footages, thicknesses, etc. are the responsibility of the purchaser. Please confirm and double check quantities quoted. Any changes to quantity may impact price quoted.***
- If installation is included, please note the following: Prevailing wages are included. Installation is to take place over a prepared sub-base by others. Installation lead-time is to be determined and is weather dependent. Site security is the responsibility of owner/contractor until the product is cured.

$19,350.00 less 3% **$18,770.00**

Re: **Triangle Park**
Waterford, CT
November 16, 2017

QTY	DESCRIPTION	TOTAL
	Installation Services to Include:	$12,500.00
	• Excavate play area, dispose of material offsite	
	• Receive/off-load play equipment delivery	
	• Layout, augur holes	
	• Install Landscape Structures equipment, pour concrete footers	
	• Supply and install stone base required under rubber	
	• Top soil and seed damaged areas	

TOTAL PROJECT PRICE **$53,438.00**

Date: _____ Signature of Approval: _____

PO# (if any): _____ Printed Name: _____

Bill to name: _____

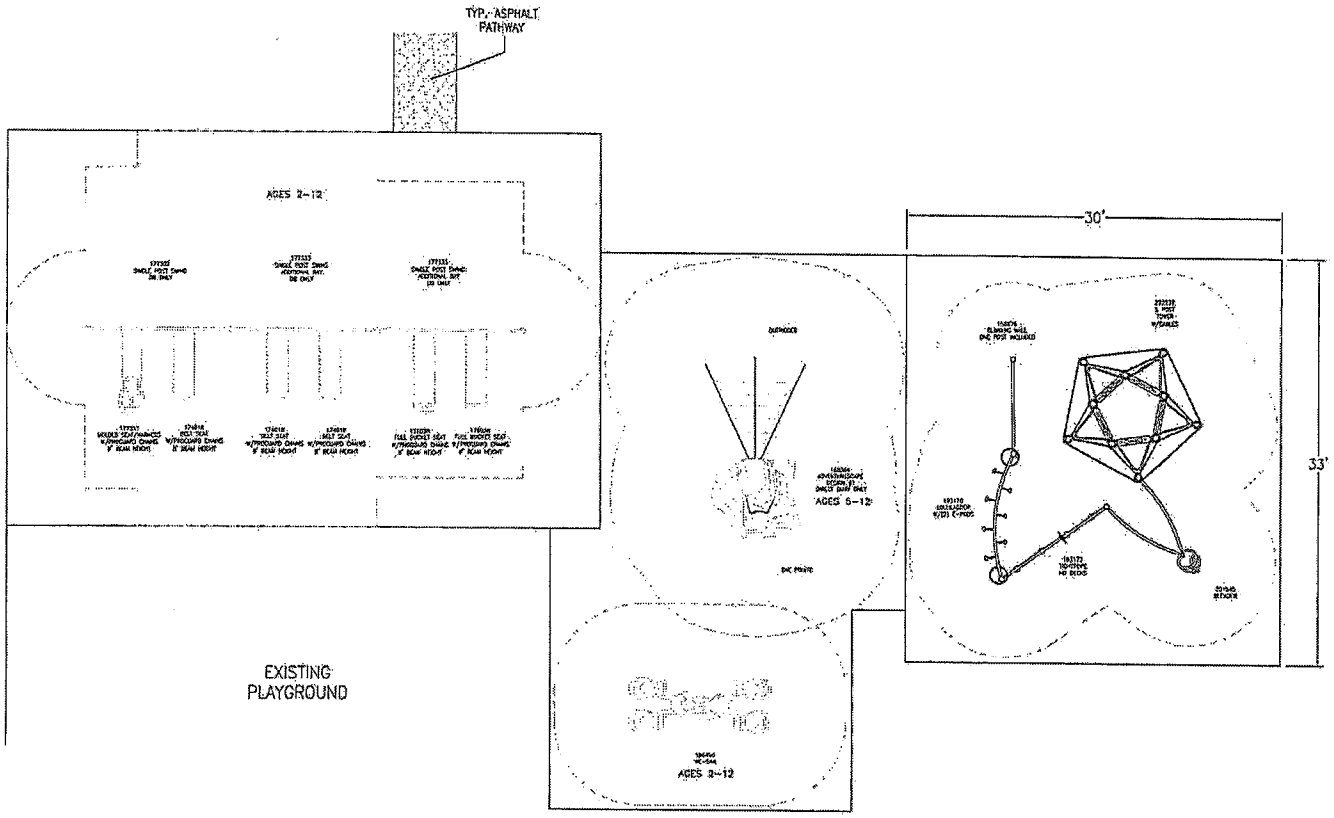
Bill to address: _____

****PLEASE READ – IMPORTANT NOTES – PLEASE READ****

- **Contractor/Customer is responsible for quantity, color, and product confirmation.**
- **Prices based on quantities listed. Any change to quantities may impact prices quoted.**
- **Prices are quoted for 2017, are firm for 30 days only and are subject to review thereafter.**
- **Prices are for materials only unless otherwise noted.**
- **Prices do NOT include sales tax.**
- **If installation is included, M.E. O'Brien & Sons is NOT responsible for buried underground hazards including, but not limited to: ledge, unsuitable bearing soils, unmarked utilities, boulders, construction debris and any other conditions beyond our control. Additional cost will be required to rectify these situations.**
- **Standard manufacturer's design, colors, specifications, and construction apply.**
- **Retainage does not apply.**
- **Returns must be made within 30 calendar days of receipt of order. Customer is responsible for re-stocking fee plus shipping charges (to and from) for all returned items. Poured-In-Place is NOT returnable.**
- **Our terms are: net 30 days.**
- **Allow 4 to 6 weeks for delivery of materials after receipt of order and architectural approval if required. Installation to take place as soon as possible after receipt of materials and according to installer's schedule; prevailing wage rates do not apply unless otherwise noted.**

If we can be of further assistance, please do not hesitate to contact us. Thank you!


GoogleEarth_Placemark



NEW ITEMS ONLY

TOTAL ELEVATED PLAY COMPONENTS	0		
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	0	REQUIRED	0
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	0	REQUIRED	0
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	6	REQUIRED	0
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	4	REQUIRED	4

landscape structures

IPEMA CERTIFIED

THIS PLAY AREA & PLAY EQUIPMENT IS DESIGNED FOR AGES 5-12 YEARS UNLESS OTHERWISE NOTED ON PLAN.

IT IS THE MANUFACTURERS OPINION THAT THIS PLAY AREA DOES CONFORM TO THE A.D.A. ACCESSIBILITY STANDARDS, ASSUMING AN ACCESSIBLE PROTECTIVE SURFACING IS PROVIDED, AS INDICATED, OR WITHIN THE ENTIRE USE ZONE.

THIS CONCEPTUAL PLAN WAS BASED ON INFORMATION AVAILABLE TO LSI. PRIOR TO CONSTRUCTION, DETAILED SITE INFORMATION INCLUDING SITE DIMENSIONS, TOPOGRAPHY, EXISTING UTILITIES, SOIL CONDITIONS, AND DRAINAGE SOLUTIONS SHOULD BE OBTAINED, EVALUATED, & UTILIZED IN THE FINAL DESIGN. PLEASE VERIFY ALL DIMENSIONS OF PLAY AREA, SIZE, ORIENTATION, AND LOCATION OF ALL EXISTING UTILITIES, EQUIPMENT, AND SITE FURNISHINGS PRIOR TO ORDERING. SLIDES SHOULD NOT FACE THE HOT AFTERNOON SUN.

CHOOSE A PROTECTIVE SURFACING MATERIAL THAT HAS A CRITICAL HEIGHT VALUE TO MEET THE MAXIMUM FALL HEIGHT FOR THE EQUIPMENT PER ASTM F1487 STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATION FOR PLAYGROUND EQUIPMENT FOR PUBLIC USE, SECTION 8, CURRENT REVISION. THE SUBSURFACE MUST BE WELL DRAINED. IF THE SOIL DOES NOT DRAIN NATURALLY IT MUST BE TILED OR SLOPED 1/8" TO 1/4" PER FOOT TO A STORM SEWER OR A "FRENCH DRAIN".

IT IS THE MANUFACTURER'S OPINION AND INTENT THAT THE LAYOUT OF THESE COMPONENTS CONFORM WITH THE U.S. CONSUMER PRODUCT SAFETY COMMISSION'S (CPSC) "HANDBOOK FOR PUBLIC PLAYGROUND SAFETY".

DESIGNED BY: JRA

COPYRIGHT 11.14.2017 LANDSCAPE STRUCTURES, INC.

601 7th STREET SOUTH – P.O. BOX 188 DELANO, MINNESOTA 55328
PH: 1-800-328-0035 FAX: 1-763-972-6021

Date	Previous Drawing #	Initials

O'BRIEN & SONS
93 West Street
PO Box 630
Medfield, MA 02052-0630
Phone 508-359-4200
Fax 508-359-2817

TRIANGLE PARK

WATERFORD, CT

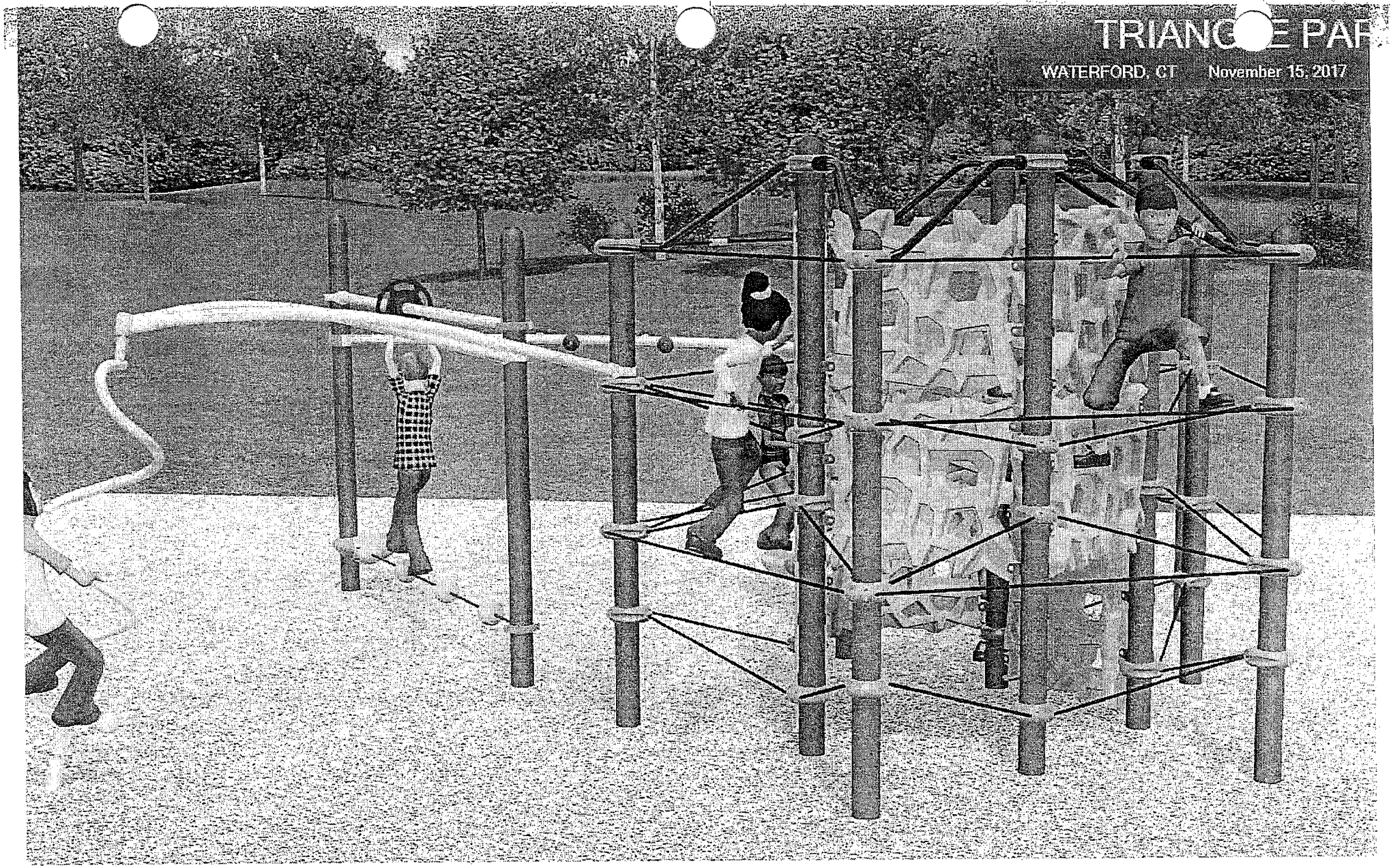
M.E. O'BRIEN & SONS, INC.
PETER WALLACE

SYSTEM TYPE: PLAYBOOSTER

DRAWING #: ME017560

ISO 14001:2004 TESTED

ISO REGISTERED





FOR A BETTER TOMORROW
WE PLAY TODAY

shapedbyplay.com

Proudly presented by:
PETER WALLACE

CONTRIBUTED GIFTS FUND
FUND # 212
10/31/2017

FISCAL YEAR 2018	R&P HELMET RODEO DONATIONS	R&P ACCESSIBLE MAT DONATIONS	R&P FRANCES X. SWEENEY MEMORIAL DONATIONS	R&P DOG PARK DONATIONS	R&P PLAYGROUND DONATIONS	R&P CIVIC TRIANGLE MEMORIAL DONATIONS	FINANCE DEPT. AUDITORIUM A/V UPGRADE	POLICE DEPT. VEHICLE CHALLENGE	POLICE DEPT. K-9 PROGRAM	POLICE DEPT. GENERAL DONATIONS	P.D. PUBLIC SAFETY DOCK	TOTAL
REVENUES												
REC & PARKS HARRY NEILAN MEMORIAL DONATIONS												
REC & PARKS ACCESSIBLE MAT DONATIONS												
REC & PARKS DOG PARK DONATIONS												
REC & PARKS PLAYGROUND DONATIONS					$10,000.00							
REC & PARKS HELMET RODEO DONATIONS	$3,000.00											
POLICE DEPT. GENERAL DONATIONS										$150.00		
TOTAL REVENUES	$3,000.00	$0.00	$0.00	$0.00	$10,000.00	$0.00	$0.00	$0.00	$0.00	$150.00	$0.00	$13,150.00
EXPENDITURES												
08/14/17 NIANTIC BAY BICYCLES	$399.00											
08/14/17 NIANTIC BAY BICYCLES	$1,204.52											
08/28/17 KEVIN JOHNSON	$390.29											
08/31/17 VERONICA DASTA	$129.99											
09/13/17 DNA K9, LLC									$5,250.00			
09/29/17 JP MORGAN CHASE										$501.22		
09/22/17 NIANTIC BAY BICYCLES	$1,894.53											
10/25/17 VCA INV# 5244195									$519.05			
10/23/17 JP MORGAN CHASE	$447.00											
TOTAL EXPENDITURES	$4,465.33		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$5,769.05	$501.22	$0.00	$10,735.60
NET CURRENT YEAR ACTIVITY	($1,465.33)	$0.00	$0.00	$0.00	$10,000.00	$0.00	$0.00	$0.00	($5,769.05)	($351.22)	$0.00	$2,414.40
PRIOR YEAR BALANCE	$6,331.70	$2,000.00	$25.00	$760.94	$20,875.81	$300.00	$151.00	$780.11	$10,468.28	$4,263.92	$7.04	$45,963.80
CURRENT YEAR BALANCE	$4,866.37	$2,000.00	$25.00	$760.94	$30,875.81	$300.00	$151.00	$780.11	$4,699.23	$3,912.70	$7.04	$48,378.20

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	**CONTACT PERSON**
Waterford Recreation & Parks Commission	Brian W. Flaherty
PROJECT NAME	**DEPARTMENT PRIORITY**
Stenger Farm Park Restrooms	4

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

This project scope will be to have a pre-cast concrete restroom facility installed, which will meet all required building and ADA accessibility requirements. The structure can be installed on a compacted stone base, which eliminates the need for a concrete slab/foundation. It's designed to be vandal resistant and would require minimal maintenance. Over two decades ago, residents on the Stenger Farm Advisory Committee recommended a restroom facility for this widely used town park. Parks of 100 acres in size, along with the amount of visitors using this park, justifies having a restroom facility. It would make this park consistent with other large town parks which have restroom facilities. Outdoor recreation (hiking, fishing, running, dog walking, bicycling, photography, nature appreciation) increase each year at this facility, as well as special events such as the Fishing Derby and Cross Country races. Clark Lane Middle School's athletic and educational programs utilize the park on a year round basis, as well as scout groups. The Clark Lane Middle School Cycling Club held a very successful event in the Fall of 2017. The Waterford High School Cross Country Team also uses the park on a regular basis. Revenue could be generated by renting the park for special events. The town's dog park is located here which is extensively used by the public. Approximate costs: Building $73,000. Site/utility prep: $5,000. Crane rental $4,000. Contingency: $5,000. Tl. approximate budget cost: $87,000. The cost estimate raised from what was presented in the past due to the increase in the required restroom size and site preparation. More details are coming from United Concrete which should lower the price. They do offer Connecticut contract pricing.

2 PROJECT STATUS IF IN PROGRESS

A location near utilities has been located. This has been confirmed by Utility Commission staff. They are willing to assist with the utility hook-ups. We will request that A BOE electrician make the required electrical connections.

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

A capital project request to replace the dog park fence.

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

Estimated utility costs: $400 ($175 electric, $125 water, $175 sewage). Janitorial: $100. Miscellaneous: $100. TL: $600

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)

The federal Land & Water Conservation fund was the grant program that helped acquire the park in 1979. Our staff will research if any funds are available to assist with this project.

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	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		87,000				
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	87,000	0	0	0	0

Brian Flaherty

From: Robert Mcguigan [RMcguigan@unitedconcrete.com]
Sent: Tuesday, November 21, 2017 10:31 AM
To: Brian Flaherty
Subject: Stenger Farm Restroom

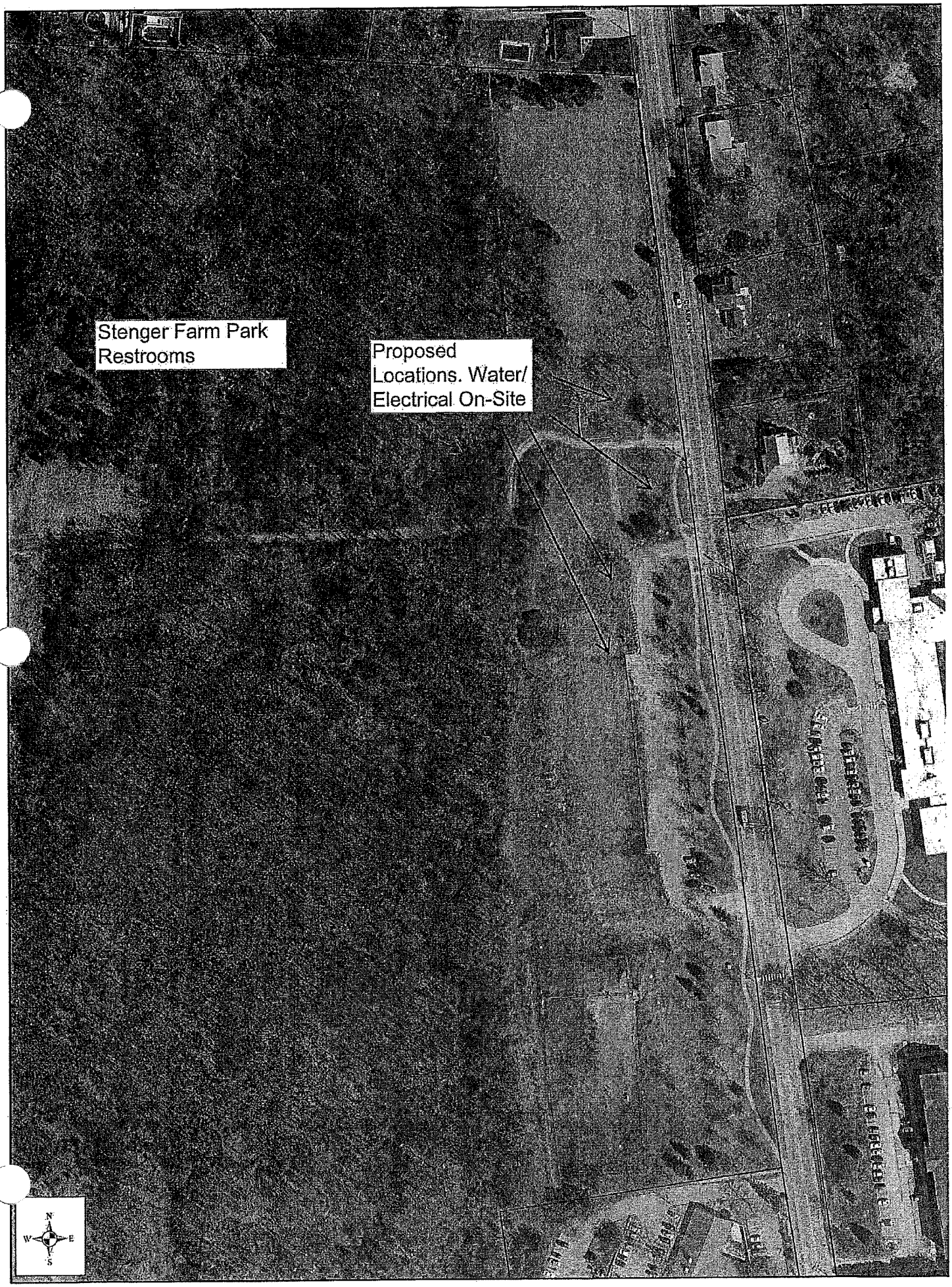
Brian

Sorry for the delay , we are trying to complete drawings and budgets for all (3) Restrooms
United Concrete Products is registered with CT Department of Administrative Services.

I would use $87K for Stenger Farm Restroom Budget . I will try and wrap this up this Wednesday but can't make any promises with a short week.
I'm at a the CPRA Conference this week and currently out of the office until Wed am

Regards,

Robert McGuigan
Sales Manager
United Concrete Products Inc
69 North Plains Hwy.
Wallingford, CT 06492
(203)- 530-2716
rmcguigan@unitedconcrete.com


Stenger Farm Park
Restrooms
Proposed
Locations. Water/
Electrical On-Site
N
W
E
S

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	CONTACT PERSON
Waterford Recreation & Parks Commission	Brian W. Flaherty
PROJECT NAME	**DEPARTMENT PRIORITY**
Veteran's Field Lighting	5

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

This project will replace the 1960's era lighting at Veteran's Field in the Civic Triangle Park. The current lights are outdated, do not properly illuminate the field, and we continue to have difficulty in finding replacement parts. It will include a total of six light poles (reduced from the current 8) with 26 1500W MZ luminaries. The estimated budget price includes installation and removal of the existing light structures. Musco lighting is the industry leader. Their quality products, energy savings, and customer service is impressive. This field currently is the home field for Waterford High School Freshmen, JV, and Varsity Softball. WHS Track utilizes the field as well as our men's softball league, general public use, and various public rentals. After speaking with the Musco representative, he advised that many customers reduce their cost by doing some of the installation themselves. We would expect to use town staff to reduce the installation cost. We plan on approaching the Board of Education and High School Booster Organizations for a contribution to this project. Estimated budget cost is $306,000(Six poles and twenty-six fixtures, LED light source, and installation). We would administer this project through the KPN Cooperative purchasing contract which would lower the cost.

2 PROJECT STATUS IF IN PROGRESS

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

This is part of the plan being developed for the Civic Triangle Park with the Planning Department, our department, and other town staff.

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

Cost savings byway of reduced energy costs due to LED technology. The warranty period is twenty-five years that includes on-site maintenance, which will also allow for cost savings. We expect an increase in field rentals as well.

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)

We have had preliminary discussions with Board of Education staff for possible funding from them. Once we get closer to project implementation, the capital funds needed may decrease.

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	FY2018	FY2019	FY2020	FY2021	FY2022
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR				306,000		
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	0	0	306,000	0	0

Budget Estimate

Veterans Field Softball - Waterford, CT
November 21, 2017
Brian Flaherty

Keystone Purchasing Network
Master Project: 161988, **Contract Number:** KPN-201302-01, **Expiration:** 02/28/2018
Commodity: Athletic & Parking Lot Lighting

Budget Estimate – Materials and Installation

Musco's Light-Structure™ as described below, and delivered to the job site:

Softball Field *(LED Light Source - Materials & Installation)* **$340,000 plus/minus 10%**

Equipment Description

Light-Structure™ in 5 Easy Pieces™

- Pre-Cast concrete bases
- Galvanized steel poles
- Remote electrical component enclosures
- Pole length wire harnesses
- Factory-aimed and assembled LED luminaries

Benefits of Light-Structure™ System with TLC for LED™

- Reduction of energy and maintenance costs by 50% to 85% over typical 1500w HID equipment
- Reduction of spill light and glare by 50% or more
- Guaranteed light levels of 50 foot-candles infield and 30 foot-candles outfield
- An unmatched warranty for up to 25 years that includes onsite maintenance
- Includes our Control-Link® System for remote on/off control and performance monitoring with 24/7 customer support

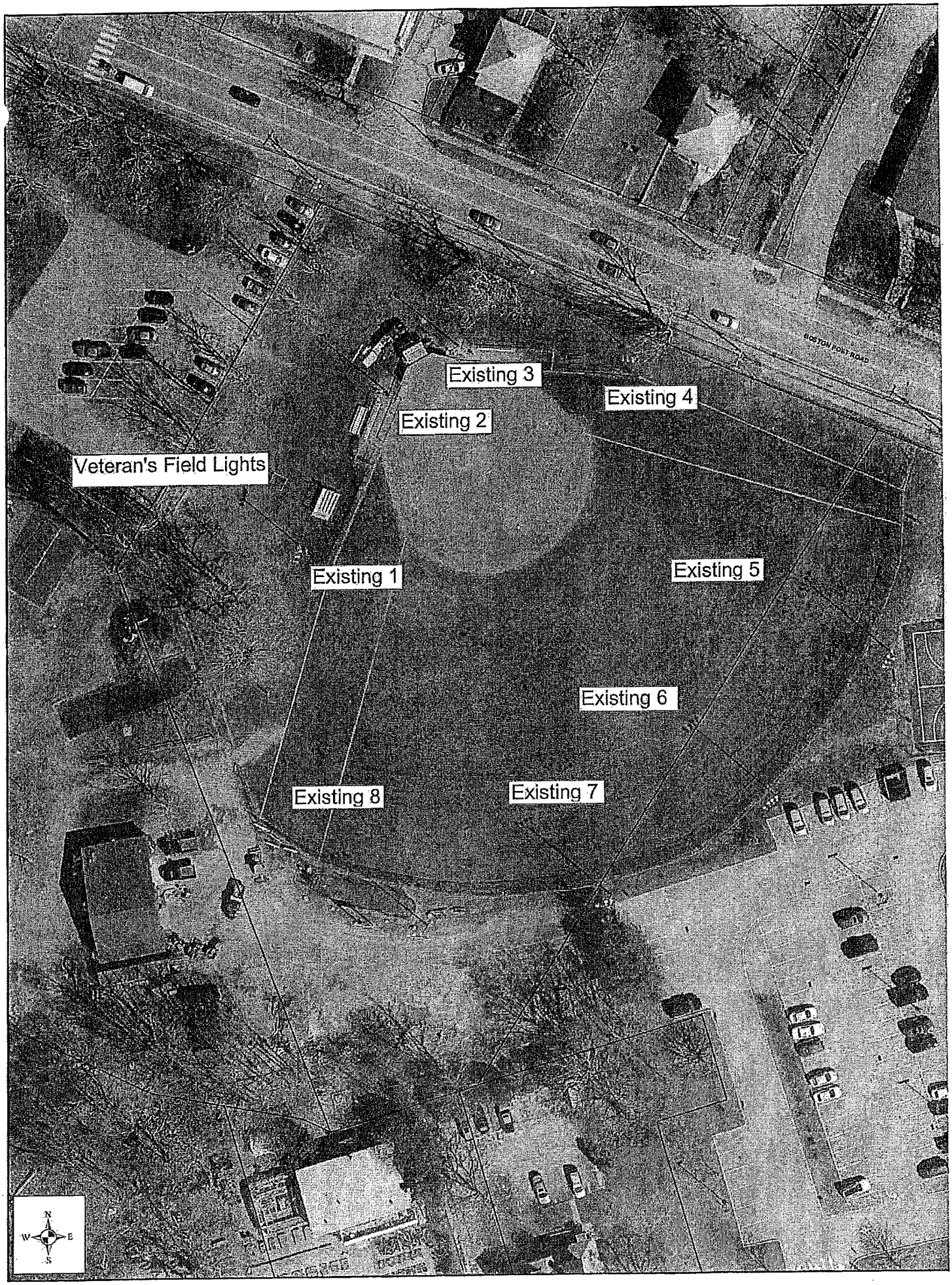
Notes

- Requires confirmation of field dimensions, pole locations, and Musco lighting design prior to providing quote(s)
- All purchase orders should note the following: Keystone Purchasing Network purchase – Contract Number: KPN-201302-01
- Estimate includes demolition/disposal of existing lighting equipment and Musco project management services
- Assumes field dimensions of 60'/265'/280'/265'
- Based upon projects similar in scope, and is intended for preliminary planning purposes only
- Pricing is based on November 2017 pricing and is subject to change
- Owner is responsible for coordination with local utility company regarding left field "B" pole location
- Getting electrical power to the site, coordination with the utility, and any power company fees are the responsibility of the owner
- Assumes standard soil conditions – rock, bottomless, wet or unsuitable soil may require additional engineering, special installation methods and additional cost
- Assumes building code and wind speed – 2012 IBC, 140mph

Please feel free to contact us with any questions you may have.

Mike Mahoney, Sales Representative
Phone: 614-352-7438
Email: mike.mahoney@musco.com

Cally Sytsma, Project Planning Specialist
Phone: 800/825-6030
Email: cally.sytsma@musco.com


Existing 3
Existing 4
Existing 2
Veteran's Field Lights
Existing 1
Existing 5
Existing 6
Existing 8
Existing 7
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TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM-FY 2019-2023

	DEPARTMENT/ AGENCY:	Eugene O'Neill Theater Center Waterford Campus						
DEPT PRIORITY	PROJECT NAME	FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTAL
1	Fire Apparatus Access Road Improvement	1	14,250.00					14,250.00
2	Installation of Lighting System On Waterford Campus to replace inadequate exisitng fixtures as well as add new lighting for the safety of students and for emergency vehicles on on Fire Apparatus Access Road	3		60,000.00				60,000.00
3	Copper Beech Trees Root Airspade and Edith Oliver Theater Sweet Peat Application	1	11,628.00					11,628.00
								0.00
								0.00
								0.00
								0.00
								0.00
								0.00
	TOTALS		25,878.00	60,000.00	0.00	0.00	0.00	85,878.00

INDEX TO FUNDING SOURCES,

1 CURRENT YEAR CAPITAL IMPROVEMENTS
3 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

DEPARTMENT/AGENCY	CONTACT PERSON
Eugene O'Neill Theater Center	Bonnie Kramm
PROJECT NAME	**DEPARTMENT PRIORITY**
Fire Apparatus Access Road Repair	1

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

This project is to reconstruct and repair the crushed stone section of the existing fire apparatus access road (the Road) located on the Eugene O'Neill Theater Campus. Over the last 10 years, the surface of the Road has eroded significantly due to weather. The Road surface has rutting in multiple areas, continual wash out of finer sediment materials, and pooling of water. This creates a treacherous walking and driving surface during the cold winter months when the Road becomes a sheet of sheer ice. Additionally, the failing surface of the Road allows for water run off which regularly floods the basement of the Dina Merrill Theater. This project will re-grade and install 3/4" crushed stone/pave the existing gravel section of Road. Another necessary component of this project will be to repair

2 PROJECT STATUS IF IN PROGRESS

n/a

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)

n/a

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)

Vendor Estimate attached

Northeast Paving	14,000.00					

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		14,000				
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	14,000	0	0	0	0

NORTHEAST PAVING LLC
419 Montauk Avenue
New London, CT 06320
Phone: 860/447-1518
FAX: 860/447-1535

* * *PROPOSAL* * *

November 11, 2016

Eugene O'Neill Theatre
305 Great Neck Road
Waterford, CT 06385

ATTN: Eric Bemont (860) 443-5378

PROPOSAL FOR: Access road (approx. 6100 sf) and small parking areas as walked with Eric Bemont.

Northeast Paving LLC is pleased to quote you the following for the above referenced work:

1. Excavate and remove unsuitable material as needed to prepare for base (up to 6")
2. Install process stone base as needed for positive drainage and stabilization (up to 6"). Fine grade and compact base.

OPTION 1: Install ¾" crushed stone grade and compact
Price: $6,800.00, plus sales tax

OPTION 2: Install bituminous concrete pavement, Class 2, (2-2.5")
Price: $14,000.00, plus sales tax

PAYMENT TERMS: balance due upon completion

NOTE:
a. Any material or time needed which exceeds the above stated specifications will be charged as a change order to this contract.
b. Excavation of unsuitable soil which exceeds 6" base material, and/or installation of process stone base in excess of 6", will charged as extra work

All agreement dates contingent upon strikes, accidents, weather or delays beyond our control.

All work to be completed in a workmanlike manner according to standard practices. Any alterations or deviation from above specifications involving extra cost will be executed only upon written orders, and will become an extra charge over and above the estimate. Any service will be fixed at no charge upon written orders only. Not responsible for concrete sidewalks that are not state and/or town reinforced approved driveway sidewalks. We are not responsible for removal or disposal of contaminated materials. All rock or ledge excavation over 1 cy will be billed at an additional charge of $230.00/hour, minimum of 3 hrs. Our workers are fully covered by Workmen's Compensation Insurance.

Acceptance of Proposal: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. In the event of default by buyer, buyer agrees to pay all costs of collection including reasonable attorneys' fees in addition to other damages incurred by seller and carrying charge of 1.5% per month (18% per year).

Authorized Signature: Gina M. Phillips, owner **Gina@NortheastPavingLLC.com** **Date**

Acceptance of Proposal **Date**

CT D.A.S. Certified W.B.E.

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Eugene O'Neill Theater Center	**CONTACT PERSON** Bonnie Kramm
PROJECT NAME Installation of Exterior Lighting System on Campus	**DEPARTMENT PRIORITY** 2

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

Installation of Exterior Lighting System on Waterford Campus to replace inadequate existing fixtures and the addition of new fixures to make the Fire Apparatus Access Road Access Road well lit and safe for pedestrians and emergnecy vehicles.

2 PROJECT STATUS IF IN PROGRESS

n/a

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

na/

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

n/a

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)

Estimate for this project from Sanders Electric for $60,000 is attached.

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED	FY2019	FY2020	FY2021	FY2022	FY202
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund			60,000			
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	0	60,000	0	0	0

SANDERS ELECTRIC LLC
11 West Rd
Niantic, CT 06357

Invoice

Date	Invoice #
11/14/2017	143

Bill To
Eugene O'neill Theater Center 305 Great Neck Rd Waterford, CT 06385

P.O. No.	Terms
	Due on receipt

Description	Qty	Rate	Amount
Work Completed: -Troubleshoot Steamer -Rewire for proper voltage -Replace faulty control circuit board			
LABOR E2 1.5hrs 2-tech, 6hrs 1-tech	7.5	85.00	637.50T
LABOR C APPRENTICE	1.5	55.00	82.50T
MATERIAL TOTAL		680.00	680.00
1-Steamer circuit board misc hardware 5'-3/4 Greenfield 1-conn 1-90conn 1-4" blank 1-3p 40 qo 25'-#8 thhn			

Thank you for your business.

Subtotal	$1,400.00
Sales Tax (0.0%)	$0.00
Total	$1,400.00
Payments/Credits	$0.00
Balance Due	$1,400.00

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	CONTACT PERSON
Eugene O'Neill Theater Center	Bonnie Kramm
PROJECT NAME	**DEPARTMENT PRIORITY**
Copper Beech Root Airspade And Edith Oliver Theater Sweet Peat App.	3

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

This project is to perform necessary maintenance on the two Copper Beech Trees located next to the Edith Oliver Theater on the Eugene O'Neill Campus. Over the years, the soil surrounding the trees has become compacted and cement-like which is slowly killing the trees according to the tree experts we've consulted. This project will entail airspading to remove existing turf and moss in the Copper Beech drip line, to grade the soil and then apply Sweet Peat and Peat Moss. This will serve as a protectant for the tree's roots, aerate the soil, and provide ongoing organic feed for the trees. Additionally, this project will treat the uneven stone, gravel and compacted soil areas upon which the Edith Oliver Theater bleachers sit. It is important to extend airspading and Sweet Peat application to this area since it is

2 **PROJECT STATUS IF IN PROGRESS**

n/a

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

na/

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

n/a

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)**

Estimate for this project from SavATree for $11,628 is attached.

7 **COST/FUNDING SOURCE**

	FUNDING SOURCE	APPROVED	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital		11,628				
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	11,628	0	0	0	0

Savatree Logo SavATree & SavaLawn
P.O. Box 1189 4 Center Rd, Old Saybrook CT 06475
P: 860-395-0780 F: (860) 395-0263
E: Saybrook@savatree.com
Business #: CT Saybrook Office # B-1804

Estimate # 89609 Prepared By Peter Edmondson
Connecticut Licensed Arborist
pedmondson@savatree.com

Estimate for
Bonnie Kramm The Eugene O'neil Theater Center
For Service At:
305 Great Neck , Waterford CT 06385
Account Key: 1472476

Recommendations

General Tree Care

Root Zone Excavation with Crew $11,628.00

(2) Copper Beech trees near out door stage. With use of air Spade remove turf and Moss from determined perimeter to include under and around bleachers and stage area. Amend soil with Peet Moss, grade level, and cover with aprox 4" of Sweet Peat (compost mulch). To aid in the health of understory root systems.
All debris generated disposed of in designated area.
30 yards of Sweet Peat, and Peet Moss included in total. Additional Sweet Peat if needed charged at $50. Per yard.

General Tree Care	$10,534.00
Recycling	$0
Cabling & Bracing	$0
Special Work / Special Equipment	$1,094.00

Stump Grinding	$0
Permit(s)	$0
Plant Health Care	$0
Lawn Care	$0
Irrigation	$0

This proposal has been provided to you on a confidential basis. We kindly request that neither this proposal nor any of its contents be reproduced or shared with any competitor without the prior written consent of SavATree.

Sales tax, if applicable, will be added to the amounts of this estimate per your local and state tax jurisdiction.

If you wish to pay via credit card, please enter deposit amount and click button to pay. A deposit of 50% may be required prior to the commencement of General Tree Care work. Thank you!

Note: Included in this program is 1 service for a total of $11,628.00.

5814

Pay Pay

OUR UNCONDITIONAL GUARANTEE
Should our service fall short of your expectations, please contact us immediately and we'll make it right! Rev. 10-2016

Fully Licensed & Insured

Tree Care Industry Accredited
Accredited Logo

Testimonials

www.savatree.com

VIEW FULL TERMS AND CONDITIONS

loading

Town of Waterford

Utility Commission



Capital Improvement Plan

FY 2019 to FY 2023

TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM - FY 2019 -2023

DEPARTMENT/AGENCY: Utility Commission

DEPT PRIORITY	PROJECT NAME	FUNDING SOURCE	FISCAL YEAR 2018-2019	FISCAL YEAR 2019-2020	FISCAL YEAR 2020-2021	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	TOTAL
	WW INFRASTRUCTURE PROJECTS							
1	In-line Wastewater Solids Grinders	1	$ 85,000	$ 85,000	$ 85,000	$ 85,000	$ 85,000	$ 425,000
2	Grinder Pumps Replacement	2	$ 28,000	$ 29,000	$ 30,000	$ 31,000	$ 32,000	$ 150,000
3	Old Norwich PS (Station Rehab)	3	$ 475,000	$ 375,000				$ 850,000
5	Wastewater Pump Stations - Flood Protection	3	$ 100,000	$ 130,000	$ -	$ -	$ -	$ 230,000
6	Replace Marilyn Rd, Wiemes Ct. Ejectors	3		$ 475,000	$ 500,000			$ 975,000
7	Cross Rd. PS Partial Upgrade	3	$ -	$ 491,000				$ 491,000
8	Stoney Brook PS Partial Upgrade	3	$ -	$ 511,000				$ 511,000
10	Remaining 17 Pump Stations	3	$ -	$ 400,000	$ 400,000	$ 400,000		$ 1,200,000
9	Eval. & Replace Force Main Air Release Valves	3	$ 13,000	$ 13,000	$ 14,000	$ 15,000	$ -	$ 55,000
11	Inflow and Infiltration Mitigation & Control	3	$ -	$ -	$ 350,000	$ 275,000.00		$ 625,000
12	Future SSES/CMOM	2	$ 33,000	$ 33,000	$ 33,000	$ 33,000	$ 33,000	$ 165,000
13	NLWWTP CTDEP Draft Order	3	$ -	$ -	$ 300,000		$ -	$ 300,000
Commitment	LI Sound Nitrogen Reduction Pmt. To New London	2	$ 44,600	$ 43,900	$ 43,200	$ 42,500	$ 41,800	$ 216,000
	Co-Op Sewer Lateral Extension ****	4	$ -	$ -	$ 375,000	$ 375,000	$ 350,000	$ 1,100,000
14	NLWWTP Sludge Storage tanks	2	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 230,000
								$ -
	WATER INFRASTRUCTURE PROJECTS							$ -
4	Fargo Lane/Douglas Hill Water Tank Rehab	3	$ 400,000	$ 450,000				$ 850,000
15	Pleasure Beach Water Lines Replacement	3	$ -			$ 175,000	$ 400,000	$ 575,000
16	Barlett Corner PS Decommission	3	$ -				$ 60,000	$ 60,000
								$ -
	TOTALS		**$ 1,224,600**	**$ 3,081,900**	**$ 2,176,200**	**$ 1,477,500**	**$ 1,047,800**	**$ 9,008,000**

INDEX TO FUNDING SOURCES

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

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY
Utility Commission

CONTACT PERSON
Neftali Soto - Chief Engineer

PROJECT NAME
In-line Solids Grinders

DEPARTMENT PRIORITY
1

1	**DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)**
	This project entails the installation and construction of in-line grinders. The purpose if in-line grinders is to grind and shred large quantities of solid materials such as: sanitary products, pampers, garbage, and other solid waste that are (unlawfully) discharged into our collection system. We are experiencing a large amount of these products being discharged at our pumping stations. Our big pump stations are already equipped with in line grinders (aka Muffin Monsters). However, our smaller (package) stations such as the Gorman-Rupp stations, do not have this capability. The Crystal Mall station is one example, where the amount of these solids generate excessive maintenance requirements. Furthermore, by grinding such solids the life expectancy of the station, as well as other of its mechanical components is expected to be extended. Failure of the pumps due to these materials clogging the pumps will create dangerous conditions that will jeopardize public health in the event of flooding to basements and adjacent properties. It is our intention to implement this, much needed, capital program for a period of 5-7 years. Expected cost - $31,000 ea. Installation cost - $5-$6,000/ea.
2	**PROJECT STATUS IF IN PROGRESS**
	Evaluation of the stations that will get installation priority.
3	**LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANTOHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST**
	None at this time. Operating and maintenance annual expenses for this facility will be funded under the Wastewater Enterprise Fund.
4	**DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)**
	Annual operating and maintenance expenses estimated at less than $5,000/yr./ea. (mainly electricity), to be funded by the WW Enterprise Fund.
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)**
	None known.
6	**ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION**
7	**COST/FUNDING SOURCE**

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital	$ -	$ 85,000	$ 85,000	$ 85,000	$ 85,000	$ 85,000
2	Utility Budget/Sewer Cap Maint Fund						
3	CNR						
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	Undesignated CNR fund balance						
7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS	**$ -**	**$ 85,000**	**$ 85,000**	**$ 85,000**	**$ 85,000**	**$ 85,000**

Vendor's Name and other info. deleted, since this procurement will go out for bids

Quote # **27824 RevA**

To Waterford, Town Of
15 Rope Ferry Rd
Waterford, CT 06385-2806
Attn: Rick Vose

Contact

FOR INTERNAL . DO NOT DISTRIBUTE!

All orders will be billed the applicable sales tax, based on the "ship to address", unless a valid tax exemption certificate is provided prior to shipment.

Project	Crystal Mall Pump Station	**Bid Date**	
Quote Date	11/22/2017	**FOB**	Origin
Submittals	4 weeks after receipt of order	**Expire Date**	01/22/2018
Ship Equipment	6 weeks after approval/release	**Terms**	Net 30 Days
Consulting Engineer			
Spec. Section	No Plans, No Specifications		

LINE ITEMS

Line No	Qty	Part/Description
1	1	**30005-0012-DI** 30005-0012 Wipes ®grinder suitable for up to 490 gpm in a wet well under conditions of unrestricted discharge (refer to flow curves for additional performance data). Scope of supply to include: Grinder with 12" cutter stack using 17-tooth serrated cam cutters in knurled spaces in 4130 alloy steel, tungsten carbide mechanical seals with BUNA-N elastomers rated for 90 psi, Cork & Rubber gaskets, hunter green epoxy coated housings with delta-p siderails, 29:1 speed reducer and 3 hp XPNV immersible 230/460v/3ph/60Hz electric motor with 40' cable
2	1	**PC2200 Motor Controller** Model PC2200 motor controller in a NEMA 4X fiberglass enclosure accepting 480V/3PH/60HZ input power for use with a 3HP motor. Controller includes an IEC starter with over-current protection, jam-sensing current transformer, one set of spare fuses and micro-PLC, with motor overtemp option (if applicable).
3	1	**Frame Assembly** Wall-mounting frame assembly fabricated in 304 stainless steel
4	1	**Lifting Bail** Lifting bail assembly fabricated in 316 stainless steel
5	4	**Operation & Maintenance Manuals**
6	1	**Shipping & Handling**
7	1	**Start Up** Day of start-up supervision by a factory-authorized representative

Price $30,305.00

Clarification
1. See attached flow curve & general arrangement drawing.

Quote # **27824 RevA**

2. See attached standard Terms and Conditions of Purchase.
3. Standard one year warranty is included.
4. Lead time is number of weeks after contracts and credit approval and customer approval/release to production.
5. This quotation is offered without reference to any written specifications, contract drawings, or formal bid documents.
6. Scope and pricing based on limited information. Any deviation in original information provided will require a complete re-evaluation of equipment, scope and pricing.

Exclusions
Unless specifically stated above, this quotation does not include installation, bonds, sales taxes, use taxes, disconnect switches, anchor bolts, hydraulic fluid, mounting frames, guide rails, field wiring, spare parts, or special tools.

Authorized J

Drawings

Typical Grinder - Not necessarily the one to be procured. N.S.

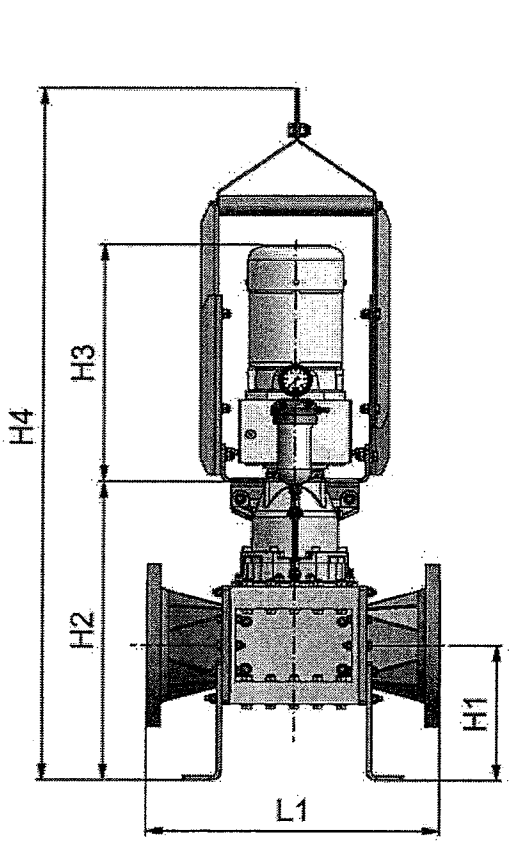
VOGELSANG

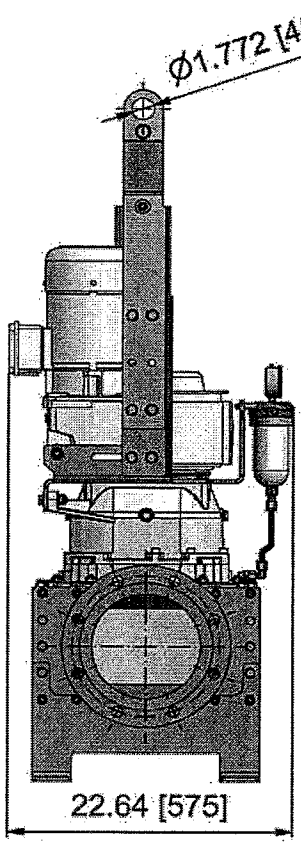
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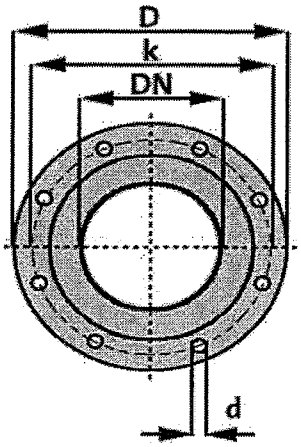
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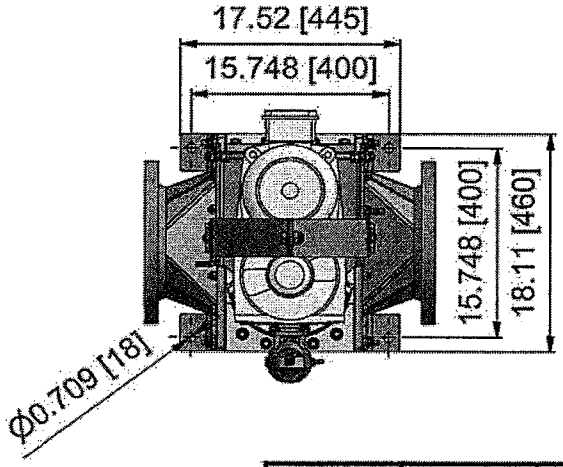
Twin Shaft Grinder

Raised-Face Flange Data Inches	
Norm	ANSI (ASA) B 16.5
DN	8
D	13 1/8
k	11 3/4
d	7/8
Hole number	8









Dimensions: inches [mm]

Unit Weight: 635 lbs. (288.0)

Drop-In Replacement for:

JWCE®	30001-1208
JWCE®	30004T-1208
Franklin Miller®	TM851208
Sewer Chewer®	SC-8

Dimension	inch	mm
L1	23.31	592.00
H1	11.26	286.00
H2	24.84	631.00
H3	19.72	501.01
H4	60.28	1,531.00

sales@vogelsangusa.com

PO Box 751, Ravenna, OH 44266-0751

Phone: +1 (330) 510-1556

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TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Utility Commission	**CONTACT PERSON** Neftali Soto - Chief Engineer
PROJECT NAME Grinder Pumps Replacement	**DEPARTMENT PRIORITY** 2

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

This activity entails the securing funds through the WW Enterprise Fund for the replacement of individual grinder pumps that the Utility Commission has the responsibility to maintain. At this time, we are still responsible for 120 grinder pumps located on private property. Due to age, many of them fail and repairs are not justified. This is a continuation of our annual program of grinder pumps replacement, and it is funded through the Enterprise Fund.

2 PROJECT STATUS IF IN PROGRESS

This is an annual program.

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

None.

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

This will optimize the utilization of our staff in other [more pressing] tasks. It will also the reduce the [out of working hours] call outs due to failure of pumps. Grinder pumps is an appliance which, as we know, have a certain life expectancy and after that time repairs are not justified.

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)

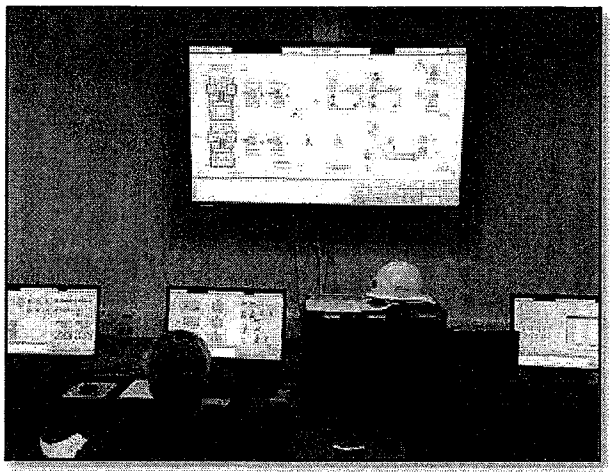
6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund		$ 28,000.00	$ 29,000.00	$ 30,000.00	$ 31,000.00	$ 32,000
3	CNR						
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	Undesignated CNR fund balance						
7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS	**0**	**$ 28,000.00**	**$ 29,000.00**	**$ 30,000.00**	**$ 31,000.00**	**$ 32,000.00**

the need to budget approximately $65,000 over the next 10 years (not including inflation).

- **SCADA System Equipment Upgrades –** The Waterford Utility Commission is currently in the process of installing an upgraded SCADA system to monitor and remotely control their sewer pump stations. Funding has been procured, RFPs have been received, and a contract award is anticipated in 2015. As technology progresses, hardware, such as the programmable logic controllers (PLCs), and software are no longer supported and require replacement. The Utility Commission should be planning on the need to budget approximately $200,000 in 10 years (not including inflation) to purchase newer more efficient hardware and software packages for their SCADA system.



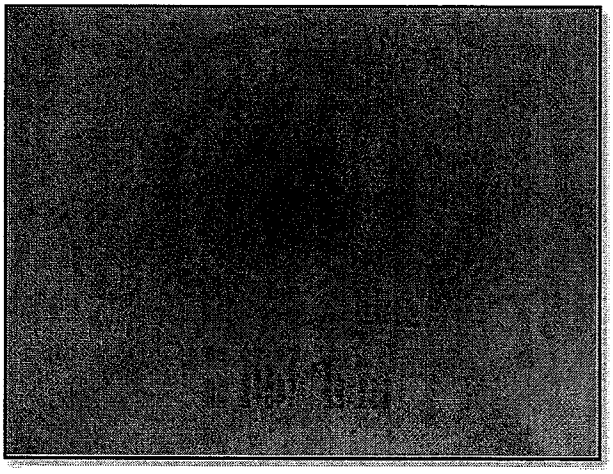
Typical SCADA System Server/Central Station

- **Individual Property Grinder Style Pump Stations** - The Waterford Utility Commission is also responsible for the operation and maintenance of approximately 135 individual property grinder style pump stations. This number will continue to reduce based on a May 2004 ordinance changing the responsibility of the operation and maintenance of these grinder stations to the property owner. The Utility Commission also provides a user fee credit to each property for the electrical cost to operate each town owned station. Utility Commission staff routinely addresses equipment problems with these stations and reportedly have the equivalent of 0.5 staff members dedicated to this effort. Based on our current understanding of this program, it appears that it results in an overall lower equivalent user fee for properties with pumping systems, compared to those without pumping systems.

As with the rest of the collection system, the mechanical, electrical and structural components of these systems are aging, and it is projected that major components will need to be replaced over the next 10 to 15 years. Based on an assumed replacement cost of $2,500 for each individual unit, the Utility Commission should be planning on the need to budget approximately $338,000 over the next 10 to 15 years (not including inflation). Upon replacement of the remaining 135 stations, this CIP line item will be phased out.

- **Sewer Pipe/Manhole Repairs and I/I Remediation** - One of the goals of the SSES program will be to identify sewer improvements and repair needs. This can include a variety of spot repairs up to full replacement of sewers and manholes. Until specific needs are identified, it is difficult to determine when the repairs will be needed, and what the cost will be to perform the repairs. One approach to determine the budget costs for sewer repair over time is to assume that all the sewers will eventually need to be replaced. Sewer replacement costs can vary considerably depending on size, depth, groundwater elevation and location.

Assuming an overall current average cost of $150/foot for sewer construction, the 142 miles of sewers in Waterford have an approximate replacement cost value of $112 million, not including the pump stations. If it is assumed that the sewers will be gradually replaced over a period of 500 years, this would equate to an annual budget of approximately $225,000 per year which could be allocated to sewer repair or replacement or approximately $3.40 million over 15 years (not including inflation). This line item can also be used to fund emergency repairs and sewer manhole lining, raising or replacement as a supplement to repairs that the WUC cannot complete on their own. Additional



Pipe Infiltration

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY Utility Commission	**CONTACT PERSON** Neftali Soto - Chief Engineer
PROJECT NAME Old Norwich PS - Station Rehabilitation	**DEPARTMENT PRIORITY** 3

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

The WUC has conducted comprehensive upgrades to the Evergreen, Mago Pump, Bolles Court and Blue Hills Sewer Pump Stations. We have also performed a cursory inspections of the remaining 24 pump stations. These stations are well maintained by Utility Commission staff and they are generally in good condition. **The Old Norwich station built in 1976 must be given a higher priority for rehab.** The electro-mechanical components of these stations are aging, using old technology for which parts are more difficult to procure, out of code and NFPA compliance, and various components are in need to be upgraded or replaced, prior to encountering a critical situation. The time frame and costs for the upgrade of the pump stations vary depending on the type of station, age, and use. A typical useful lifespan is 30-years. The Old Norwich Rd. PS is one of our major cast-in-place stations. Current needs for this station include the replacement of variable frequency drives (VFDs), replacement (with energy efficient) of the main electrical service panel, replacement of the pumps control panel and instrumentation, replacement of the old inefficient main pumps, upgrading of the climate control components, replacement of driveway, and replacement of roofing. **Climate control air exchangers do not meet NFPS requirements at the present.** There is no need to replace the emergency generator of this station. Based on actual expenditures for other cast-in-place stations, an estimate of $950,000 is a reasonable request for the rehab of this station.**A $100,000 CNR designation was secured last year, and in order to complete the program the First Selectman recommended designations as shown below.**

2 PROJECT STATUS IF IN PROGRESS

A proposal (attached) was requested from our wastewater consultant to initiate the design of the needed rehabilitation.

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

None

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

More efficient, safe, and reliable operation of the station with expected energy savings and operational reliability.

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)

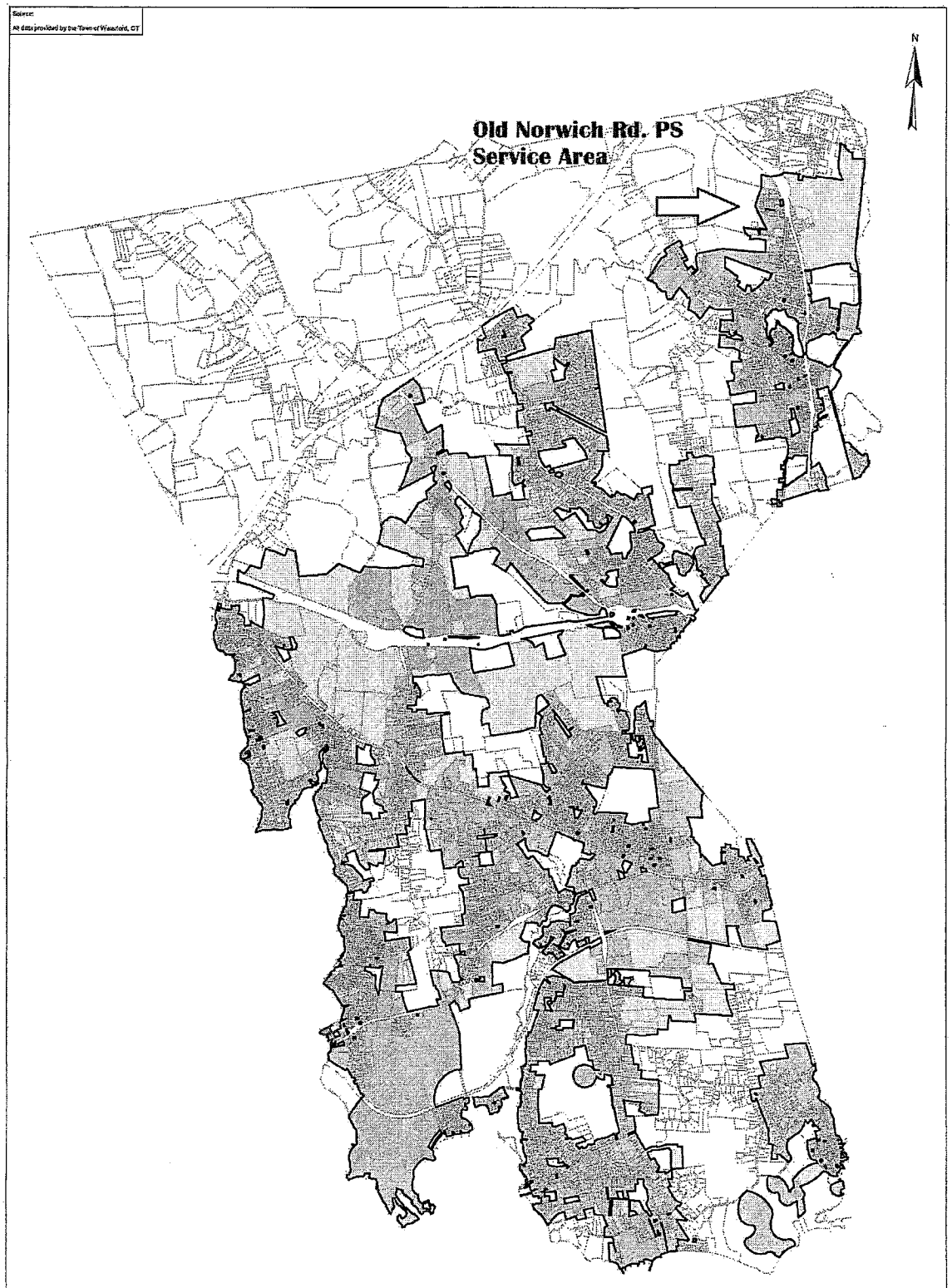
None.

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION

See Wright- Pierce Evaluation supporting documentation.

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	CNR	$ 100,000.00	$ 475,000	$ 375,000			
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	Undesignated CNR fund balance						
7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS	$ 100,000.00	$ 475,000	$ 375,000	$ -	$ -	$ -



Legend

- Sewer Service Area
- Parcels Eligible to Connect
- Parcels Connected

0 5,500 11,000 Feet

Sewer Service Area Table

	Total	Connected	Eligible	Not Sewered
Parcels	8,659	6,176	852	1,631
Acreage	20,165	5,609	3,147	11,409

Waterford, CT

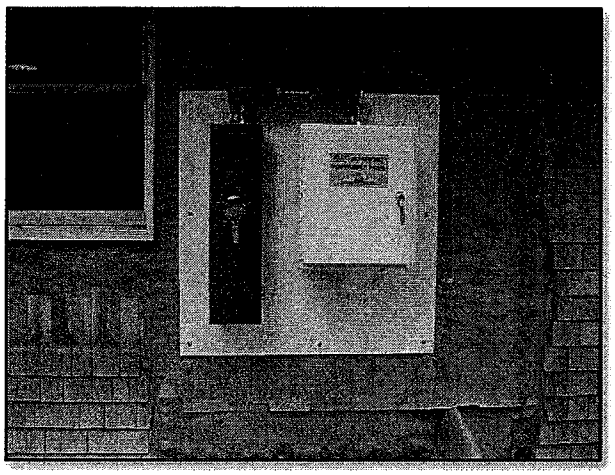
Sewer Service Area

PROJ NO: 10232T | DATE: Aug 2011 | FIGURE: 3-2

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Engineering a Better Environment

update. Although this equipment can be used for emergency repairs, it can also be used by WUC staff to make scheduled repairs and conduct sewer rehabilitation to structural and infiltration related deficiencies identified in the gravity sewer piping during annual CCTV operations. Depending on the level of effort, additional WUC field staff may or may not be needed.

- **Portable Emergency Generator Receptacles** - Several of the existing sewer pump station are not equipped with a manual transfer switch and portable emergency generator connector panel to allow for the station to be readily operated off of the WUCs portable trailer mounted generator. All of the WUC major stations have been retrofit with this feature. It is recommended that all 18 remaining sewer pump station be equipped with this equipment regardless of size. The cost for this equipment is estimated at approximately $20,000 per station. The remaining receptacles at the cast-in-place stations should be installed within the next 5 years in order to ensure reliable emergency power for all sewer pump stations, with the balance spread across the next 10 years.



Typical Manual Transfer Switch and Connector Panel Under Construction at Old Norwich Road Pump Station

- **Sewer Pump Stations** – The WUC has conducted comprehensive upgrades to the Evergreen, Mago Pump, Bolles Court and Blue Hills Sewer Pump Stations as described above, and has also performed a cursory inspection of the remaining 24 pump stations. These stations are well maintained by Utility Commission staff and they are generally in good condition. However, the mechanical, electrical and building system components of these stations are aging and all the components will eventually need to be repaired, upgraded or replaced. The time frame and costs for the upgrade of these stations will vary depending on the age and use. A typical useful lifespan is 30-years.

Current needs include replacement of variable frequency drives (VFDs) at the Old Norwich Road Pump Station and a condition assessment including non-destructive testing of the below-grade structural steel enclosures at the Marilyn and Weims Court Ejector stations to determine future upgrade needs. The Utility Commission should be planning on the need to budget approximately $350,000 in FY 2016/2017 to complete these tasks. **NOTE: The current needs for the ONR PS were re-assessed.**

- **Intra-Municipal Flow Metering Stations** - Currently wastewater flows from New London which flow into the Waterford Collection System are not metered. New London utilizes individual household water meter readings to determine the wastewater flow into the Waterford Collection System. The equivalent sewer use fee is then "credited" by New London. Since the New London sewers are subject to significant I/I flow, it is likely that the current billing method does not accurately reflect actual wastewater flows and the corresponding fees. An evaluation of flow metering alternatives recommended installation permanent flow metering stations at four locations in order to ensure that New London is paying their fair share of costs to convey wastewater through the Waterford Collection system. The project was designed and bid in 2009. The low-bid price to install the permanent flow metering stations was $234,000. It is recommended that these stations be re-bid and installed in FY 2020/2021.

2.2 Long Term Anticipated Needs

As discussed above, all wastewater collection systems require continuous repair and upgrade, along with routine maintenance. Items that will eventually need to be addressed in the Waterford system include:

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Engineering a Better Environment

Water
Wastewater
Infrastructure

October 17, 2016
W-P Project No. MCI14

Mr. Neftali Soto, PE
Chief Engineer
Town of Waterford Utility Commission
15 Rope Ferry Road
Waterford, CT 06385

Subject: Proposal for Engineering Services
Old Norwich Road Pump Station Upgrade - Design Plans and Specifications

Dear Tali:

As requested by the Water Utility Commission (WUC), this letter presents our proposed scope and budget to prepare design drawings and specifications for the upgrade of the Old Norwich Road Pump Station including the following major renovations:

- Replacement of three variable frequency drives
- Replacement of main electrical service breaker
- Replacement of the Pump Control Panel and level instruments including gas detection
- Replacement of the three influent pumps with three new dry-pit submersible pumps
- Upgrade to heating and ventilation in the wet well and drywell
- Replacement of driveway
- Replacement of building roofing

Wright-Pierce proposes to perform the following final design phase services:

Final Design Phase

1. Conduct a one-day site visit with the design team and WUC Staff to gather pertinent information at the pump station and available drawings/as-builts.
2. Prepare Final Design Documents consisting of final design criteria, drawings and specifications, and incorporate into construction Contract Documents for the pump station upgrade.
3. Prepare a construction sequencing plan including bypass pumping and temporary electrical requirements.
4. Develop a hydraulic model of the pump station system curve to verify anticipated flows and force main velocities when sizing the new pumps.
5. Prepare for review and approval, contract agreement forms, general conditions and supplementary conditions and (where appropriate) bid forms, invitations to bid and instructions to bidders (all of which will be generally consistent in form and substance with the

169 Main Street, 700 Plaza Middlesex
Middletown, CT 06457 USA
Phone 860.343.8297 | Fax 860.343.9504

forms and pertinent guide sheets prepared by the Engineers Joint Contract Documents Committee) and assist in the preparation of other related documents.

6. Furnish drafts of the Drawings and Specifications to, and review them with the WUC at the 50% and 90% submissions.
7. Assist the CLIENT with public meetings, as necessary.
8. Submit four (4) copies of the final documents, Drawings and Specifications and a final construction cost estimate after receiving the WUC's and all other reviewing agencies comments.

Proposed Fee

Wright-Pierce proposes to complete the above scope of work on a time-charge basis with a not to exceed fee of $43,500.00 without written authorization from the WUC. This fee includes the engineering for the renovation items listed in this proposal. This fee does not include any additional effort that may be requested by the WUC for bidding or construction phase services. A separate proposal will be submitted following the design phase efforts. A copy of our estimated engineering fee and associated man-hours to complete the design is enclosed for your review.

If the proposed scope and fee are acceptable, please sign where indicated below and return one signed copy of this proposal to Wright-Pierce. We are prepared to begin this work immediately upon WUC authorization and would conduct this effort as an Additional Service under the terms and conditions of our existing Engineering Agreement.

Should you have any questions or desire additional information, please call.

Very truly yours,

WRIGHT-PIERCE

Christopher Pierce, PE
Vice-President

_____

Accepted by Waterford Utility Commission
Peter M. Green, Chairman

FIFTEEN ROPE FERRY ROAD WATERFORD, CT 06385

TO: Ms. Maryanna Stevens, CPA – Director of Finance
FROM: Neftali Soto, PE - Chief Engineer
DATE: December 6, 2016

RE: Utility Commission – Support Narrative Old Norwich Road PS Rehab

Hello, Maryanna.

This supplemental narrative is intended to provide additional support to the [Capital Project Request Form] included in the 2018-22 CIP package previously submitted for the Old Norwich Road pumping station (ONR PS) funding request. See attached map. The funding request remains as shown on the Project Consolidation Form.

The cast-in-place Old Norwich Road pumping station collects wastewater from the whole Quaker Hill area. See attached map. Five pumping stations discharge into the ONR PS as follows: Richards Grove PS, Thames Landing PS, Quaker Hill PS, Bolles Ct. PS, and Harrisons Landing PS. The station was built 40 years ago in 1977, under Contract 7, and with the proper maintenance provided by the UC, it has been operating for more than 10 years past its service life expectancy. However, it is in dire need for a rehab. Last year we completed the rehab of the Harvey Avenue PS which is the same age. The pumps at the station are three [old technology, energy inefficient, and very tired] 85 hp each, 1450 gpm each, Allis Chalmers centrifugal pumps.

It is our plan to replace the old pumps with new dry-submersible, energy efficient pumps with new variable frequency drives (VFDs), a new motor control center (MCC), and appurtenant instrumentation. Other rehab work needed is the construction of a new main panel, the upgrading of climate control components to meet NFPA code requirement, the replacement of the driveway, and the replacement of the building roof. There is no need for a new generator.

Also attached is a revised Project Consolidation Form and Request Form showing the upcoming additional capital expenditure related to the New London Wastewater Plant. It is intended for documentation purposes as follows:

> The City of New London is planning for the upgrade of their sludge storage tanks. See attached email from the NL Director of Utilities. As per the NL/EL/Waterford Wastewater agreement, Waterford is responsible for 30% of the final capital cost (about

$900,000). New London contributes 55% and East Lyme 15% of the capital cost. New London is planning to float a 20 yr. bond for this project. Annual payments for the Waterford contribution will be billed by NL to the UC. Please note that annual payments are currently made to NL by the UC for the installation of the nitrogen reduction infrastructure that was built about 17 year ago. **Waterford's share of the debt service is paid through the wastewater enterprise fund and does not affect the taxpayers, only the ratepayers.** This payment may be made through the depreciation fund account established by New London to which Waterford makes contributions on an annual basis as part of the treatment cost. It is estimated that once the annual payments are prorated, our annual contribution payment would be in the neighborhood of $46,000/yr.

If there are any questions, please do not hesitate to contact this office.

Submitted for Your Consideration,

Neftali Soto, P.E.
Chief Engineer

Cc: Dan Steward
Gail Miller
Utility Commission

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY
Utility Commission

CONTACT PERSON
Neftali Soto - Chief Engineer

PROJECT NAME
Wastewater Pump Stations Flood Protection

DEPARTMENT PRIORITY
5

1	**DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)**
	The flooding vulnerability and exposure to flooding of the Town's wastewater pumping stations was evaluated this past September, as funded through a $5,800 grant from the CIRCA Resilience Grant Program secured through our Planning Department. These pumping stations are vulnerable to flooding which would result in a significant expense, as well as total failure to provide its intended service, if not protected. A full report was developed by Wright-Pierce Engineers showing the susceptible stations and recommended mitigation measures. Wright-Pierce report is hereby attached. Also, attached please find cover page of study (draft) being conducted for the Town of Waterford by Kleinfelder Northeast, Inc. - Consultants.
2	**PROJECT STATUS IF IN PROGRESS**
	Not in progress, yet. Funding process is hereby iniated.
3	**LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANTOHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST**
	None
4	**DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (include cost estimate if applicable)**
	The implementation of mitigation measures may result on the reduction of flood insurance premiums currently under the responsibility of the Utility Commission.
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)**
	None known at this time.
6	**ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION**
	See Wright- Pierce Evaluation supporting documentation. Also, see Kleinfelder Study cover sheet.

7 **COST/FUNDING SOURCE**

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	CNR	$ 100,000	$ 100,000	$ 130,000	$ -	$ -	
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	Undesignated CNR fund balance						
7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS	**$ 100,000.00**	**$ 100,000**	**$ 130,000**	**$ -**	**$ -**	**$ -**

WASTEWATER PUMP STATION FLOODING VULNERABILITY EVALUATION

for the

WATERFORD UTILITY COMMISSION
WATERFORD, CT

SEPTEMBER 2016

WRIGHT-PIERCE
Engineering a Better Environment

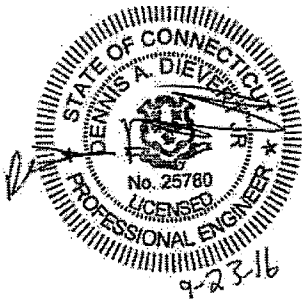
WASTEWATER PUMP STATION FLOODING VULNERABILITY EVALUATION

for the

WATERFORD UTILITY COMMISION

WATERFORD, CT

SEPTEMBER 2016



Prepared By:

Wright-Pierce
169 Main Street
Middletown, Connecticut 06457

WATERFORD, CONNECTICUT

WASTEWATER PUMP STATION FLOODING VULNERABILTIY EVALUATION

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LIST OF APPENDICES

APPENDIX	DESCRIPTION
A	FIRMETTES AND SEA LEVEL RISE
B	GENERAL DETAILS

SECTION 1

WRIGHT-PIERCE
Engineering a Better Environment

SECTION 1

INTRODUCTION

1.1 INTRODUCTION

On the behalf of the Waterford Utility Commission (WUC), Wright-Pierce performed an evaluation of seven wastewater pumping stations that have been identified to have a potential for flooding.

The purpose of this report is to identify FEMA base flood elevations, identify areas of potential risk, and identify potential means of mitigating the impact of potential sea level rise.

The following pump station facilities were reviewed, as part of this report:

- Bolles Court
- Gardiners Wood
- Mago Point
- Niantic River Road
- Oil Mill Road
- Seaside
- Shore Drive

The facility evaluation was conducted in accordance with Connecticut Institute for Resilience and Climate Adaptation (CIRCA) Grant program to "reduce the loss property, prevent ecological damage, and social disruption from a failure" in the Town's wastewater pump stations located along the coast and within the base floodplain. This report will serve the Town as the project proposal to be submitted to CIRCA to obtain funding and includes the following:

- Knowledge or experience that is transferable to multiple locations in Connecticut
- Well-defined and measurable goals.

- Implementation is recommended in no more than an 18-month time frame.

It should be noted that CIRCA gives preference to projects that leverage multiple funding sources and that involve collaboration with CIRCA.

SECTION 2

WRIGHT-PIERCE
Engineering a Better Environment

SECTION 2

DATA COLLECTION

2.1 DATA SOURCES

The base flood elevation (BFE) data was obtained from the Federal Emergency Management Agency (FEMA) website using the Flood Insurance Rate Maps (FIRMs). FIRMS are the official maps used in the National Flood Insurance Program. FIRMettes, full-scale section of a FIRM, were created for each facility and are included in Appendix A.

The BFE is the computed elevation to which floodwater is anticipated to rise during the base flood. The BFE is the regulatory requirement for the elevation or floodproofing of structures.

FEMA delineates BFE's as determined through Flood Insurance Studies (FIS's). FIS's are a compilation and presentation of flood risk data for specific watercourses and waterbodies including coastal flood hazard areas within a community. The FIS report contains detailed flood elevation data in flood profiles and data tables. Individual FIS's are modeled with Coastal Hydraulic and Hydrologic data as identified in each study. The mapped 100-year base flood elevations shown on the FIRMs include the effects of stillwater and wave effects.

FEMA has defined areas on FIRMs with the following designations.

A - Areas subject to inundation by the 1-percent-annual-chance flood event generally determined using approximate methodologies. Detailed analyses are not performed for such areas so no depths or base flood elevations are shown.

AE - The base floodplain where base flood elevations are provided.

V - Coastal areas with a 1% or greater chance of flooding and an additional hazard associated with storm waves. No base flood elevations are shown.

VE - Coastal areas with a 1% or greater chance of flooding and an additional hazard associated with storm waves. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones.

Elevations for the evaluated pump stations were based on existing plans and available surveys and datum's were adjusted from NGVD 29 to NAVD 88, using Height Conversion of VERTCON for Google Earth (VERGE), to compare against the BFE's identified on the FIRMS. This evaluation is discussed further in the following section.

FEMA flood maps do not currently account for sea level rise. Climate change and sea level rise may also impact future flooding and a greater level of flood protection may be warranted. The flood mitigation measure implemented to provide a greater level of protection to address climate change and seal level rise depend on a number of factors including the feasibility of implementation on an existing structure, configuration and site constraints, and cost.

Sea Level Rise (SLR) Viewer presented by National Oceanic and Atmospheric Administration (NOAA) Digital Coast was used to identify inland areas that will be impacted by sea level rise up to 6-feet above mean higher high water (MHHW). SLR Maps for each facility can be found in Appendix A following their respective FIRMettes. Areas that are hydrologically connected (according to the digital elevation model used) are shown in shades of blue. Low-lying areas, displayed in green, are considered hydrologically "unconnected" areas that may flood. Blue areas denote a high confidence of inundation, orange areas denote a low confidence of inundation, and unshaded areas denote a high confidence that these areas will be dry given the chosen water level. The pump stations evaluated are on the border, or within areas noted as having a high probability of inundation (blue areas) under a certain SLR scenario. To address uncertainty in SLR rates relative to the life of the facilities it is recommended to protect the facilities to 3-feet above the FEMA BFE.

2.2 FLOOD ELEVATION DETERMINATION

The design flood elevation is dependent on project considerations and design standards developed by Federal, State, and Industry Standards.

For state funded activities in the flood plain the Commissioner of CT DEEP has powers and duties identified Section 25-68c under Title 25, Chapter 476a 'Flood Management' in the Connecticut General Statutes (C.G.S.). Such powers and duties include "to require that any flood control project be designed to provide protection equal to or greater than the base flood".

It further states, "Any state agency proposing an activity or critical activity within or affecting the floodplain shall submit to the commissioner information certifying that:", the proposal will not "pose a hazard to human life, health or property in the event of a base flood or base flood for a critical activity".

Under the powers and duties of the commissioner, the Certification for critical activities is required under section 25-68d. Critical activities are defined as construction of schools, hospitals, residential structures and the storage of hazardous or contaminated materials in a flood plain. Critical activities are regulated to the 500-year BFE when applying to the Connecticut Department of Energy and Environmental Protection (CT DEEP) for a Flood Management Certification. The applicable flood plain for critical activities is the 0.2 percent annual chance or 500-year base flood elevation. CT DEEP designates the calculation of the 500-year base flood as the 100-year base flood elevation multiplied by a factor of 1.25. The calculation is supported by FEMA technical fact sheet 1.6 'Designing for Flood Levels Above BFE'.

Executive Order 13690 (EO 13690), Establishing a Federal Flood Risk Management Standard and a Process for Further Soliciting and Considering Stakeholder Input, states federally funded projects are required to provide 3-feet of freeboard above the base flood elevation for critical actions. Wastewater pump stations would be considered critical actions. Critical Actions is defined as, any activity for which even a slight chance of flooding would be too great.

New England Interstate Water Pollution Control Commission (NEIWPCC) has issued a draft document, "Storm Resiliency and Adaptation Needs for Wastewater Conveyance and Treatment Facilities". NEIWPCC incorporated requirements from this document into TR-16, Guides for the Design of Wastewater Treatment Works. The level of protection for critical equipment is consistent with EO 13690, which requires protection 3-feet above the one percent annual chance of flood elevation (100-year flood elevation).

According to TR-16, existing pump stations planned for upgrade or expansion should be improved to the maximum extent possible to meet the flood protection criteria established for new facilities. New pump station facilities should provide for non-interrupted operation of all units during a 100-year flood and critical equipment protected against flooding 3-feet above the 100-year flood elevation. Critical equipment is defined as all electrical, mechanical, and control systems associated with pump stations and are responsible for conveyance of wastewater. Non-critical equipment should be protected against flooding 2-feet above the 100-year flood elevation.

While FEMA flood maps do not currently account for sea level rise, the protection measure being proposed above the BFE (i.e.: 3 feet above the 100-yr flood elevation or 500-yr base flood) was included to begin planning for sea level rise.

The following table contains the relevant elevations for each of the seven (7) facilities evaluated.

Pumping Station	Ground Elevation Survey NGVD 29	Ground Elevation (NAVD 88)	First Floor/Access Elevation (NGVD 29)	FFE Convert (NGVD29 to NAVD88)	Delta	Current Flood Zone Elevation 2013 (NAVD 88)	500-YR Flood Elevation (1.25 x BFE)	CT DEEP 500-YR Flood Elevation + 1-FT	TR-16 Guidance 100-YR Flood Elevation + 3-FT	Design Elevation
Bolles Ct	6 (Survey 2011)	7.31	10	9.04	0.96	AE 10	12.5	13.5	13	13
Gardiners Wood	Not Available	10.04	13.5	12.51	0.99	AE 11	13.75	14.75	14	14
Mago Point	4.17 (Survey)	7.73	13.5	12.50	1.00	AE 13	16.25	17.25	16	16.25
Niantic River Rd	10	3.00	11.5	10.50	1.00	AE 12	15	16	15	15
Oil Mill Rd	8	6.30	12	11.01	0.99	AE 9	11.25	12.25	12	12
Seaside	12	16.37	13.5	12.52	0.98	AE 12	15	16	15	15
Shore Drive	7	6.25	12	11.03	0.97	AE 10	12.5	13.5	13	13

Notes:

1. Ground elevations determined from NOAA and USGS.
2. Flood Zones and Elevations taken from https://msc.fema.gov/portal
3. Finish floor elevations taken from available drawings

SECTION 3



SECTION 3

MITIGATION

3.1 SUMMARY OF FINDINGS

Our research shows that three (3) pump stations havea first floor elevation or access point below the 100-year base flood elevation.

- Bolles Court Pump Station has a first floor that is 0.96 feet below the 100-year BFE of 10.
- Mago Point has a first floor that is 0.5 feet below the 100-year BFE of 13.
- Niantic River Road Pump Station has a first floor that is 1.5 feet below the 100-year BFE of 12.

All seven (7) pumping stations have access points below the recommended flood protection elevation of 100-year base flood elevation plus 3-feet.

3.2 MITIGATION OPTIONS

In order to fully comply with the TR-16 guidance, critical equipment/infrastructure should be protected to the 100-year BFE plus three feet. Existing pump station plans, provided by the Waterford Utility Commission, were used for this evaluation. The pump station facility plans reference datum Mean Sea Level or NGVD 29. In order to evaluate the facilities, elevations had to be adjusted from NAVD 29 to NAVD 88 using a method described in Section 2 of this report. Prior to implementing any mitigation measures, a survey should be conducted at each facility to confirm elevations.

Our study did not evaluate the structural integrity or water-tightness of the structures. Some reinforcement or water-tight coatings may be required. Prior to designing upgrades to the facilities to protect against flooding, a structural inspection should be conducted to confirm what additional measures are necessary.

In many cases, the flooding conditions would significantly impact the existing pumping stations and the surrounding area that they serve. Therefore, only protecting the pumping station (if feasible) might not be the appropriate solution. Other options to consider are regional flood control or attempting to "minimize" damage to the facility and equipment. Potential options for each pumping station will be discussed in detail.

3.2.1 Bolles Court Pump Station

Bolles Court Pump Station is located at 528 Mohegan Avenue Parkway. FEMA Maps were reviewed to identify the flood elevation in regard to the Bolles Court Pump Station. The pump station is located on FEMA Map 09011C0363J (August 5, 2013) and located within flood zone AE with an established base flood elevation of 10.0. Critical equipment/infrastructure should be protected to elevation 13.0.

The existing grade around the exterior of the pump station is elevation 7.3 and the facility has a converted finished floor elevation of 9.04. Upgrades in 2014 included protecting electrical equipment and building vents above elevation 12.54. Pumps and motors were replaced with dry-pit submersible units during the upgrades. Electrical Motor Control Centers (MCCs) and the facility generator are located on the control room level at elevation 0.06 and the pump variable frequency drives (VFDs) are located on the motor level at elevation -13.29. However, the accessway is protected to elevation 12.54.

An abovegrade Nitrazyme chemical storage tank is located outside of the pump station and the tank is placed on a 6-inch maintenance pad for an approximate elevation of 5.5. The tank is anchored to the concrete maintenance pad and fill/vent lines are located above elevation 12.54.

A pad mounted electrical transformer is located on-site at approximate elevation of 6.5. W-P had discussions with the Connecticut Light and Power (now Eversource) during the pump station upgrade, to discuss the option of installing a pole mounted transformer in lieu of a pad mounted transformer. The electrical company indicated that their typical installation regardless of being

located in a floodplain, is to install a pad mounted transformer and were not willing to raise the transformer at that time.

Several manhole structures are below the BFE. Sewer lines should be evaluated within areas below the BFE. Sewer manholes should be protected from I/I in flood conditions by means of water-tight manholes or manholes raised above the BFE.

A 1,000-gallon double-walled fuel tank for the facility's generator, is located outside, abovegrade, and on a concrete pad. The tank is anchored to the concrete maintenance pad and vent/fill ports are located above elevation 12.54.

Mitigation measures include the following recommendations:

- Install floodproof doors on the facility.
- Install flood level instrument and alarm in case floodproof door fails.
- Install watertight manhole covers on structures located below BFE.
- The electrical service/transformer should be raised or pole mounted.

3.2.2 Gardiners Wood Pump Station

Gardiners Wood Pump Station is located at 302 Millstone Road. FEMA Maps were reviewed to identify the flood elevation in regard to the Gardiner's Wood Pump Station. The pump station is located on FEMA Map 09011C0483J (August 5, 2013) and located within flood zone AE with an established base flood elevation of 11.0. Critical equipment/infrastructure should be protected to elevation 14.0.

On the main floor, elevation 12.5, is a generator. Electrical panels are located inside the building in a drywell with the bottom floor elevation at -9.48 and the drywell is accessed by a fiberglass hatch located 1.5 feet above FFE (elevation 14). Lowest exterior adjacent finish grade to the pump station is 10.4. The wetwell hatch is located on the exterior of the pump station with a top elevation of 11.51.

Mitigation measures include the following recommendations:

- Install floodproof doors on the facility and flood proof any structural/wall penetrations below BFE.
- Install flood level instrument and alarm in case floodproof door fails.
- Install watertight manhole covers on structures located below BFE.
- Vent pipes/louvers for the pump station and fuel tank shall be raised above the BFE. In addition, the fill pipe for the fuel tank shall be raised above BFE and water tight.
- Hatch covers for wetwell and drywell shall be confirmed they are watertight and replaced as needed.
- The generator fuel tank should be secured to protect them from wave damage.
- Raise the bypass structure or install a watertight manhole cover.

3.2.3 Mago Point Pump Station

Mago Point Pump Station is located at 12 Fourth Street. FEMA Maps were reviewed to identify the flood elevation in regard to the Mago Point Pump Station. The pump station is located on FEMA Map 09011C0483J (August 5, 2013) and located within flood zone AE with an established base flood elevation of 13.0. Critical equipment/infrastructure should be protected to elevation 16.0.

The main finish floor elevation is 12.5 where the generator and HVAC equipment is located. The generator is located on a 6" maintenance pad. The fuel tank for the generator is located inside (approximate elevation 12.5) and anchored to prevent the tank from floating during a flood event.

A pad mounted electrical transformer is located on-site at approximate elevation of 3.5, however the transformer is positioned on a concrete electrical vault with a top of pad elevation of approximately 8.5.

The electrical level is elevation 3.17 and includes MCCs, VFD's and pump control panels. Electrical panel on the exterior of the facility have a bottom elevation of 7.0.

Pump room level is elevation -24.20. Pumps and motors were replaced in 2011 with dry-pit submersible units during the upgrades.

An abovegrade Nitrazyme chemical storage tank is located outside of the pump station and the tank is placed on a 6-inch maintenance pad for an approximate elevation of 5.0. Chemical feed pumps are located at an approximate elevation of 7.5.

Mitigation measures include the following recommendations:

- Install floodproof doors on the facility and flood proof any structural/wall penetrations below BFE. Install flood panels on windows as needed.
- Install flood level instrument and alarm in case floodproof door fails.
- Install watertight manhole covers on manhole structures located below BFE.
- Vent pipes/louvers for the pump station and chemical tank shall be raised above the BFE so that airflow could be maintained during flood conditions. Otherwise, the facility would need to be shut down.
- Fill pipe for the chemical tank shall be raised above BFE and water tight.
- Chemical feed pumps shall be relocated above BFE.
- The electrical service/transformer should be raised or pole mounted.

3.2.4 Niantic River Road Pump Station

Niantic River Road Pump Station is located at 236A Niantic River Road. FEMA Maps were reviewed to identify the flood elevation in regard to the Niantic River Road Pump Station. The pump station is located on FEMA Map 09011C0481J (August 5, 2013) and located within flood zone AE with an established base flood elevation of 12.0. Critical equipment/infrastructure should be protected to elevation 15.0.

On the main floor, elevation 10.5, is a generator. Electrical panels are located inside the building in a drywell with the bottom floor elevation at -4.3 and the drywell is accessed by a fiberglass hatch located 1.5 feet above FFE (elevation 12).

Adjacent finish grade elevations on the exterior of the pump station is 7.75. Wetwell and bypass structure accessways are installed with watertight manhole covers.

Mitigation measures include the following recommendations:

- Install floodproof doors on the facility and flood proof any structural/wall penetrations below BFE. Install flood panels on windows as needed.
- Install flood level instrument and alarm in case floodproof door fails.
- Install watertight hatch on drywell as needed.
- Vent pipes/louvers for the pump station and fuel tank shall be raised above the BFE so that airflow could be maintained during flood conditions. Otherwise, the facility would need to be shut down.
- In addition, the fill pipe for the fuel tank shall be raised above BFE and water tight.
- The generator fuel tank should be secured to protect them from wave damage.

3.2.5 Oil Mill Road Pump Station

Oil Mill Road Pump Station is located at 25A Oil Mill Road. FEMA Maps were reviewed to identify the flood elevation in regard to the Oil Mill Road Pump Station. The pump station is located on FEMA Map 09011C0477J (August 5, 2013) and located within flood zone AE with an established base flood elevation of 9.0. Critical equipment/infrastructure should be protected to elevation 12.0.

The main finish floor elevation is 11.01. Finish grade elevation on the exterior of the pump station is 6.3.

The facilities bypass structure accessway is installed with a watertight manhole cover.

Wetwell hatch at approximate elevation of 10.8. The hatch should be confirmed it is watertight to prevent flooding of the wetwell.

Mitigation measures include the following recommendations:

- Install floodproof doors on the facility and flood proof any structural/wall penetrations below BFE. Install flood panels on windows as needed.
- Install flood level instrument and alarm in case floodproof door fails.
- Install locking manhole covers on manhole structures located below BFE.

3.2.6 Seaside Pump Station

Seaside Pump Station is located at 36 Shore Road. FEMA Maps were reviewed to identify the flood elevation in regard to the Seaside Pump Station. The pump station is located on FEMA Map 09011C0492J (August 5, 2013) and located within Flood zone AE with an established base flood elevation of 12.0. Critical equipment/infrastructure should be protected to elevation 15.0.

Main finish floor elevation (FFE) is 12.52 and houses the generator and electrical panels. An underground fuel tank for the generator is buried outside with a fill and vent extending abovegrade to elevation 15.0, assuming finish grade elevation on the exterior of the pump station is 12.0. The generator exhaust and intake louvers begin at elevation 14.27.

The interior fiberglass drywell hatch is raised to elevation 14.02 and the drywell vent is raised to elevation 18.0. The exterior wetwell hatch is raised to elevation 11.52.

The electrical transformer is pad mounted.

The facilities bypass structure accessway is installed with a watertight manhole cover.

Mitigation measures include the following recommendations:

- Install floodproof doors on the facility and flood proof any structural/wall penetrations below BFE. Install flood panels on windows as needed.
- Install flood level instrument and alarm in case floodproof door fails.
- Flood proof any structural/wall penetrations below BFE.
- Install watertight manhole covers on manhole structures located below BFE.

3.2.7 Shore Drive Pump Station

Shore Drive Pump Station is located at 2 Shore Drive. FEMA Maps were reviewed to identify the flood elevation in regard to the Shore Drive Pump Station. The pump station is located on FEMA Map 09011C0511J (August 5, 2013) and located within flood zone AE with an established base flood elevation of 10.0. Critical equipment/infrastructure should be protected to elevation 13.0.

The main finish floor elevation of the pump station is 11.03 and the generator and electrical panels are located. An underground fuel tank for the generator is buried outside with a fill and vent extending abovegrade. Wetwell hatch at approximate elevation of 10.78 should be confirmed it is watertight.

Confirm bypass structure accessway is installed with a watertight manhole cover.

Mitigation measures include the following recommendations:

- Floodproof doors installed on the facility and flood proof any structural/wall penetrations below BFE.
- Install flood level instrument and alarm in case floodproof door fails.
- Install watertight manhole covers on manhole structures located below BFE.
- Vent pipes/louvers for the pump station and fuel tank shall be raised above the BFE. In addition, the fill pipe for the fuel tank shall be raised above BFE and water tight.

SECTION 4

WRIGHT-PIERCE
Engineering a Better Environment

SECTION 4

IMPLEMENTATION

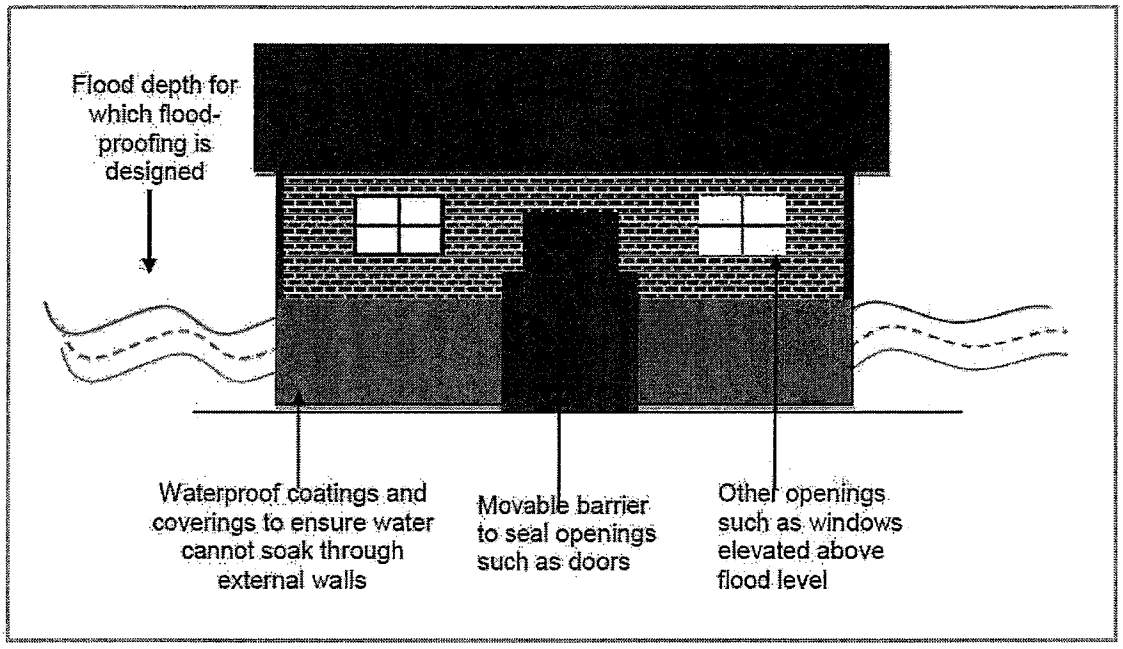
4.1 INTRODUCTION

Wastewater pump stations should be protected from damage during a flood event. Floodproofing a structure is defined as a combination of structural and non-structural additions, changes and adjustments to structures to reduce or eliminate flood damage to structures and the site. Dry floodproofing a structure can be a cost effective alternative solution to constructing a new facility outside of the floodplain or elevating the building above flood elevations. The structure itself should be made floodproof to the recommended protection elevations. With existing structures surfaces, impermeable membrane materials or waterproofing coating systems can be used on the surfaces of the structure. Additional courses of concrete or masonry may also be an appropriate solution to strengthen existing walls or provide an additional barrier for flood waters.

Structural openings, (i.e.: doors, windows, louvers, vents, pipe penetrations) should be watertight to prevent water from entering the building through the use of shields or barriers. More simple solutions for flood protection may include raising the elevations of vent pipes and fill pipes, replacement of standard manhole covers with watertight covers, and anchoring fuel tanks and chemical tanks to prevent flotation.

Floodproofing measures will require the WUC to mobilize operators and employees with adequate warning of an impending flood event. Some measures will also require ongoing maintenance. Floodproofing measures may take away from the aesthetics of the pump stations.

The floodproofing measures being discussed in the Section are relatively easy to retrofit to an existing structure and could be installed within a 6-12-month period making them a feasible and costs effective solution.



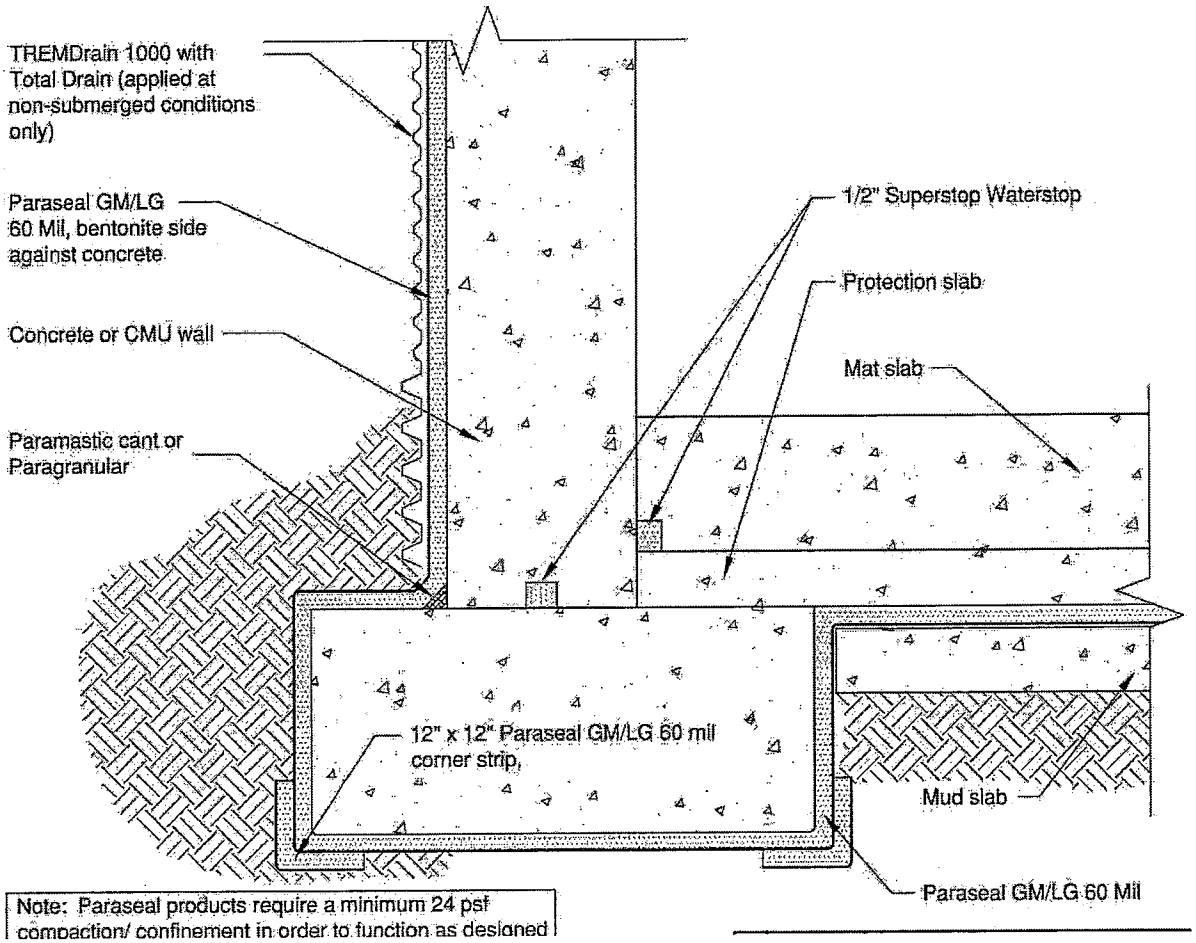
Source: ClimateTech Wiki

The following Section details some of the measures that can be implemented into the upgrades.

4.2 DETAILS

4.2.1 Impermeable Membrane & Coating Systems

Impermeable membranes and coatings can be used to seal walls to reduce or prevent the penetration of floodwater. Membranes and coatings are typically applied to exterior wall faces, making them cost-effective options for retrofitting existing buildings. The following is an example of membrane and coating systems that can be used on the existing pump stations for those areas above grade and above the elevation of the structural concrete. The detail shown is for new construction got the same principals apply.

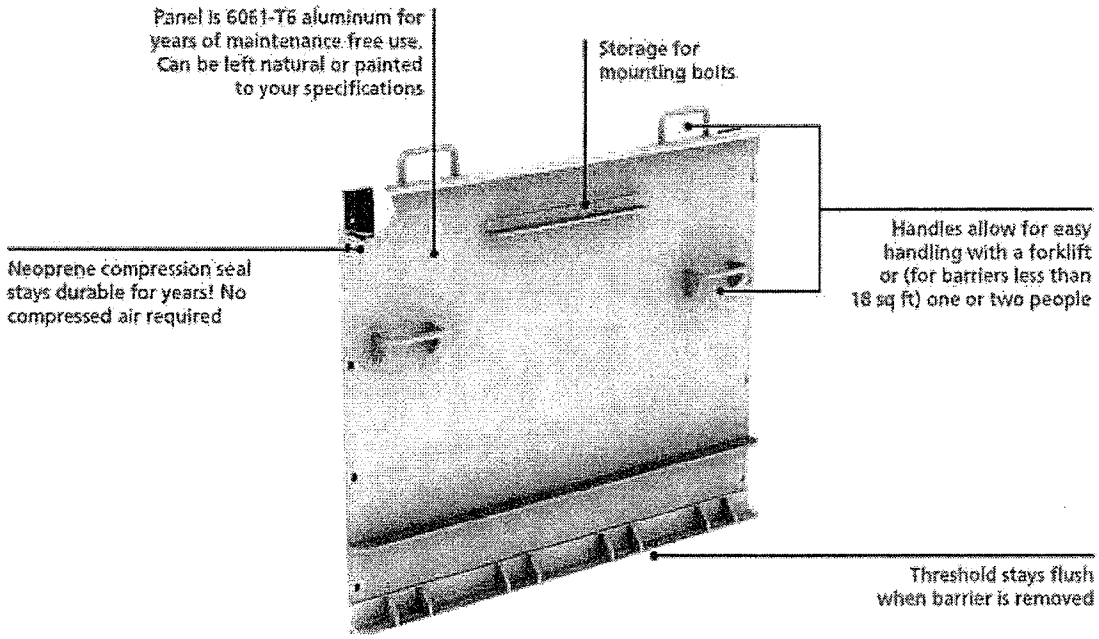


Source: Tremco Products

4.2.2 Flood Doors/Barriers

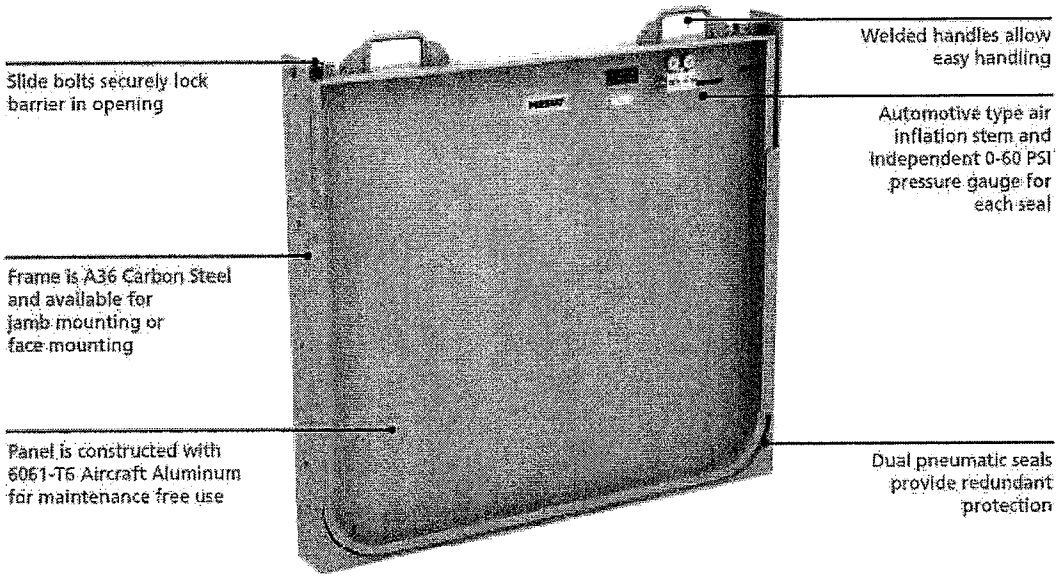
Facilities with FFE below the flood design elevation, should be installed with flood doors or temporary barriers that can be manually installed in preparation for a flood event. Flood doors may be required under extreme conditions where flood event and elevations are well above the FFE of the pump station. Flood doors can be a costly option and can become a burden to operators under normal operation and maintenance. When flood elevations are a few feet above the FFE of the pump station, a temporary barrier that is manually installed prior to a flood event may be a preferable option. W-P would recommend temporary barriers for the pump stations to provide the station and equipment from flood water entering the facility. An example of temporary barriers includes the following:

Mechanical Seal Barrier: Mechanical barriers require installation by an operator prior to a flood event where the barrier is compressed against a mechanical seal. Similar system can be installed on window openings as well.



Source: Presray Products

Pneumatic Seal Barrier: Pneumatic barriers require installation by an operator prior to a flood event where the barrier is compressed against a frame by inflation of a gasket with air (hand pump or portable compressors).



Source: Presray Products

For addition cut sheets and installation details, please refer to Appendix B.

4.3 NEXT STEPS

Prior to designing or implementing floodproofing measures, a detailed site evaluation and field survey should be conducted by a licensed surveyor to verify elevations. A flood event will impact the seven (7) existing pumping stations identified but it will also impact the surrounding area that they serve. A survey would help identify existing site topography and grades and identify if the access road to the pump station would be flooded. Additional measures may need to be made in order to access the facility during a flood event. Other options to consider are regional flood control or attempting to "minimize" damage to the facility and equipment.

A detailed building evaluation should be conducted as well to verify the existing condition of the facility including a detailed structural evaluation to identify any cracks or damaged surfaces that need to be repaired and made watertight in addition to any recommended flood mitigation measures.

In order to implement the floodproofing measure within an 18-month period; the facility evaluation, design and bidding would be conducted within a 6-month period.

4.4 COST ESTIMATE

Based on the recommendations made in Section 3 and 4, budgetary cost estimates have been developed for each of the seven sewer pump stations summarized in the table on the next page. Assuming this work would be conducted as one project, allowances have been included for design, concrete repairs, field survey, membrane coatings and up to twenty manhole fromane and cover reaplcements with watertight units.

TOWN OF WATERFORD, CONNECTICUT

PRELIMINARY PROJECT COST ESTIMATE SUMMARY

WASTEWATER PUMP STATION FLOODING VULNERABILITY IMPROVEMENTS

Location & Item Description	Quantity	Units	Unit Cost	Total Material Cost	Labor Cost	Total Cost
Bolles Court						
Install Flood Doors/Panels	2	EA	$ 1,200.00	$ 2,400.00	$ 2,400.00	$ 4,800.00
Flood Level Instruments and Programming	1	LS	$ 1,500.00	$ -	$ 1,500.00	$ 1,500.00
Raise Electrical Transformer	1	LS	$ 5,000.00	$ -	$ 5,000.00	$ 5,000.00
Subtotal						**$ 11,300.00**
Gardiners Wood						
Install Flood Doors/Panels	2	EA	$ 1,200.00	$ 2,400.00	$ 2,400.00	$ 4,800.00
Flood Level Instruments and Programming	1	LS	$ 1,500.00	$ -	$ 1,500.00	$ 1,500.00
Raise vent and fill pipes	1	LS	$ 1,000.00	$ -	$ 1,000.00	$ 1,000.00
Anchor Fuel Tank	1	LS	$ 500.00	$ -	$ 500.00	$ 500.00
Replace Hatches	2	EA	$ 5,000.00	$ 10,000.00	$ 15,000.00	$ 25,000.00
Subtotal						**$ 32,800.00**
Mago Point						
Install Flood Doors/Panels	2	EA	$ 1,200.00	$ 2,400.00	$ 2,400.00	$ 4,800.00
Flood Level Instruments and Programming	1	LS	$ 1,500.00	$ -	$ 1,500.00	$ 1,500.00
Raise vent and fill pipes	1	LS	$ 1,000.00	$ -	$ 1,000.00	$ 1,000.00
Relocate Chemical Feed Pumps	1	LS	$ 1,500.00	$ -	$ 1,500.00	$ 1,500.00
Raise Electrical Transformer	1	LS	$ 7,500.00	$ -	$ 7,500.00	$ 7,500.00
Subtotal						**$ 16,300.00**
Niantic River Rd						
Install Flood Doors/Panels	2	EA	$ 1,200.00	$ 2,400.00	$ 2,400.00	$ 4,800.00
Flood Level Instruments and Programming	1	LS	$ 1,500.00	$ -	$ 1,500.00	$ 1,500.00
Raise vent and fill pipes	1	LS	$ 1,000.00	$ -	$ 1,000.00	$ 1,000.00
Anchor Fuel Tank	1	LS	$ 500.00	$ -	$ 500.00	$ 500.00
Replace Hatch	1	EA	$ 5,000.00	$ 5,000.00	$ 7,500.00	$ 12,500.00
Subtotal						**$ 20,300.00**
Oil Mill Rd						
Install Flood Doors/Panels	2	EA	$ 1,200.00	$ 2,400.00	$ 2,400.00	$ 4,800.00
Flood Level Instruments and Programming	1	LS	$ 1,500.00	$ -	$ 1,500.00	$ 1,500.00
Subtotal						**$ 6,300.00**
Seaside						
Install Flood Doors/Panels	2	EA	$ 1,200.00	$ 2,400.00	$ 2,400.00	$ 4,800.00
Flood Level Instruments and Programming	1	LS	$ 1,500.00	$ -	$ 1,500.00	$ 1,500.00
Subtotal						**$ 6,300.00**
Shore Drive						
Install Flood Doors/Panels	2	EA	$ 1,200.00	$ 2,400.00	$ 2,400.00	$ 4,800.00
Flood Level Instruments and Programming	1	LS	$ 2,000.00	$ -	$ 2,000.00	$ 2,000.00
Raise vent and fill pipes	1	LS	$ 1,000.00	$ -	$ 1,000.00	$ 1,000.00
Subtotal						**$ 7,800.00**
Subtotal - Raw						**$ 101,100.00**
Miscellaneous Items						
Unnacounted for Items	1	20%	$ -	$ -	$ -	$ 20,220.00
Install Watertight Manhole Covers	20	EA	$ 750.00	$ 15,000.00	$ 15,000.00	$ 30,000.00
Field Survey	1	LS	$ 7,500.00	$ -	$ 7,500.00	$ 7,500.00
Concrete Repair Allowance	1	ALL	$ 15,000.00	$ 15,000.00	$ -	$ 15,000.00
Membrane Coating Allowance	1	ALL	$ 50,000.00	$ 50,000.00	$ -	$ 50,000.00
Mobilization/Demobilization @ 5%	1	LS	$ -	$ -	$ -	$ 10,816.00
Cleanup	1	LS	$ 7,500.00	$ 7,500.00	$ -	$ 7,500.00
Bonding	1	LS	$ 2,500.00	$ 2,500.00	$ -	$ 2,500.00
GC Overhead & Profit @ 20%	1	LS	$ -	$ -	$ -	$ 45,427.20
Subtotal						**$ 188,963.20**
Subtotal - Construction						**$ 290,063.20**
Engineering (Design) @ 10%						**$ 29,006.32**
TOTAL PROJECT COST ESTIMATE						**$ 319,000.00**

APPENDIX A

WRIGHT-PIERCE
Engineering a Better Environment



MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0363J

FIRM

FLOOD INSURANCE RATE MAP

NEW LONDON COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 363 OF 554

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
GROTON, TOWN OF	090097	0363	J
LEDYARD, TOWN OF	090157	0363	J
NEW LONDON, CITY OF	090100	0363	J
WATERFORD, TOWN OF	090107	0363	J

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
09011C0363J

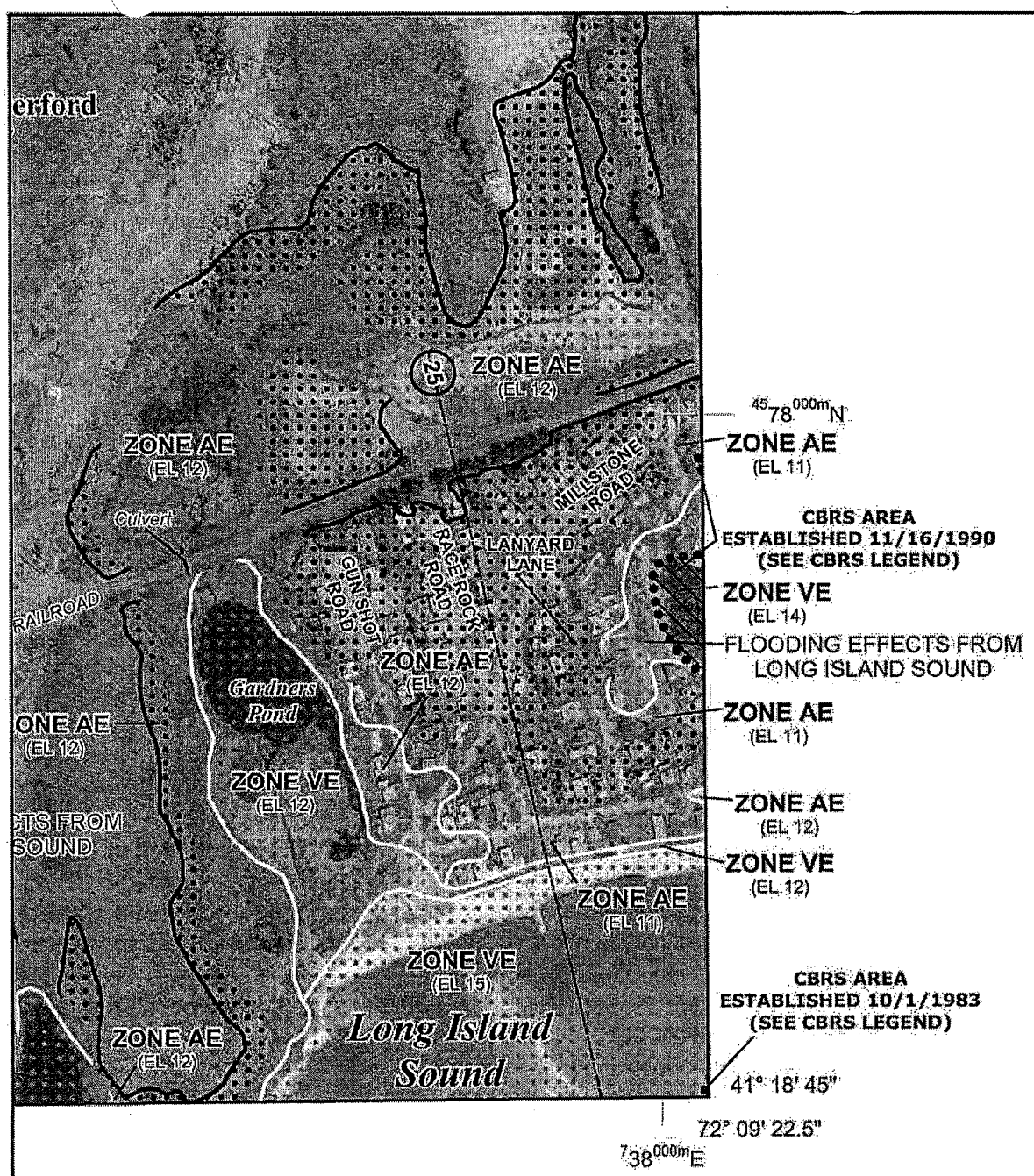
MAP REVISED
AUGUST 5, 2013

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



United States Department of Commerce (http://www.doc.gov) | National Oceanic and Atmospheric Administration



MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0483J

FIRM

FLOOD INSURANCE RATE MAP

NEW LONDON COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 483 OF 554

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
EAST LYME, TOWN OF	090096	0483	J
WATERFORD, TOWN OF	090107	0483	J

NOTE:
THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

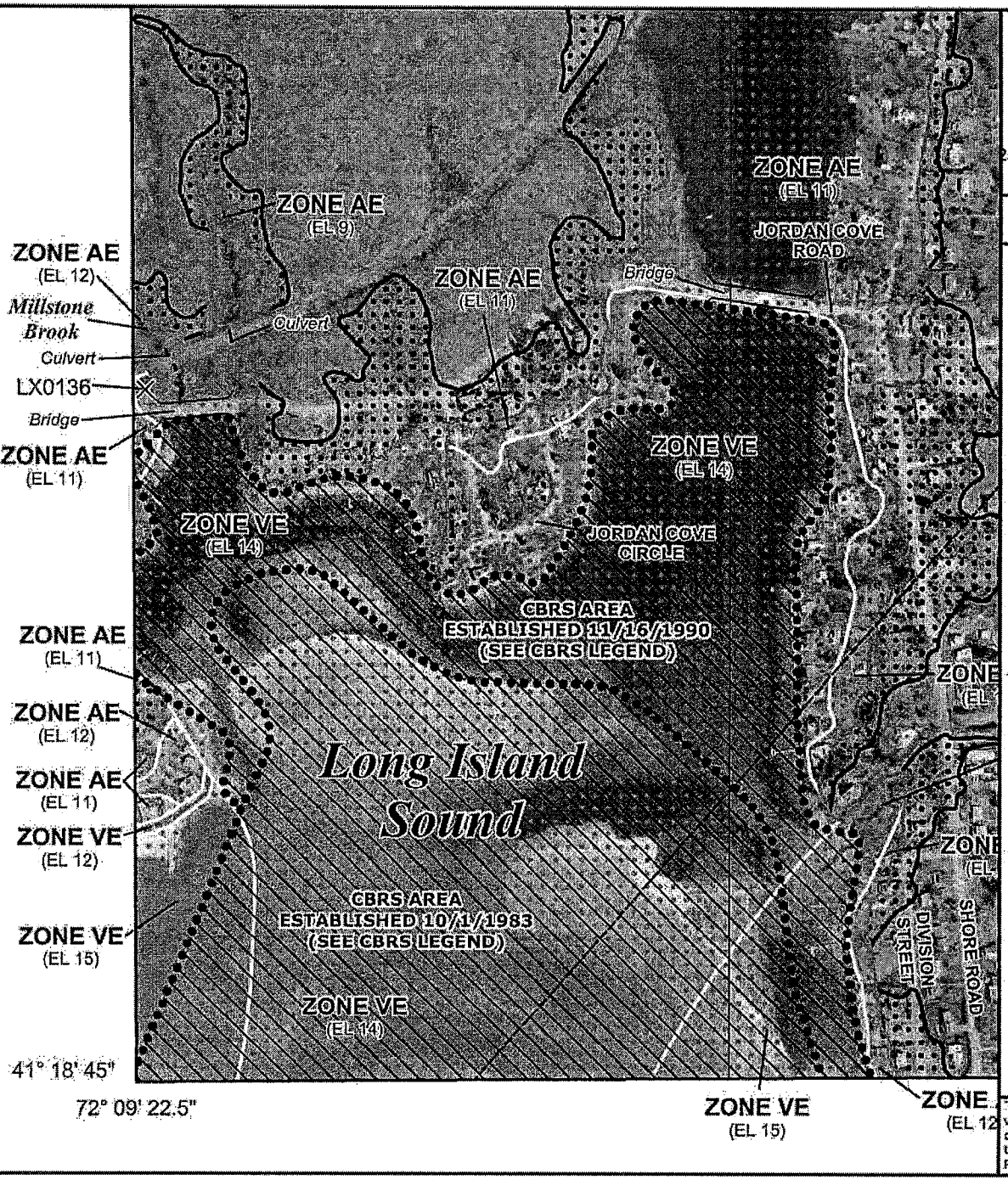
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
09011C0483J

MAP REVISED
AUGUST 5, 2013

Federal Emergency Management Agency

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MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0484J

FIRM

FLOOD INSURANCE RATE MAP

NEW LONDON COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 484 OF 554

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
WATERFORD, TOWN OF	090107	0484	J

NOTE:
THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

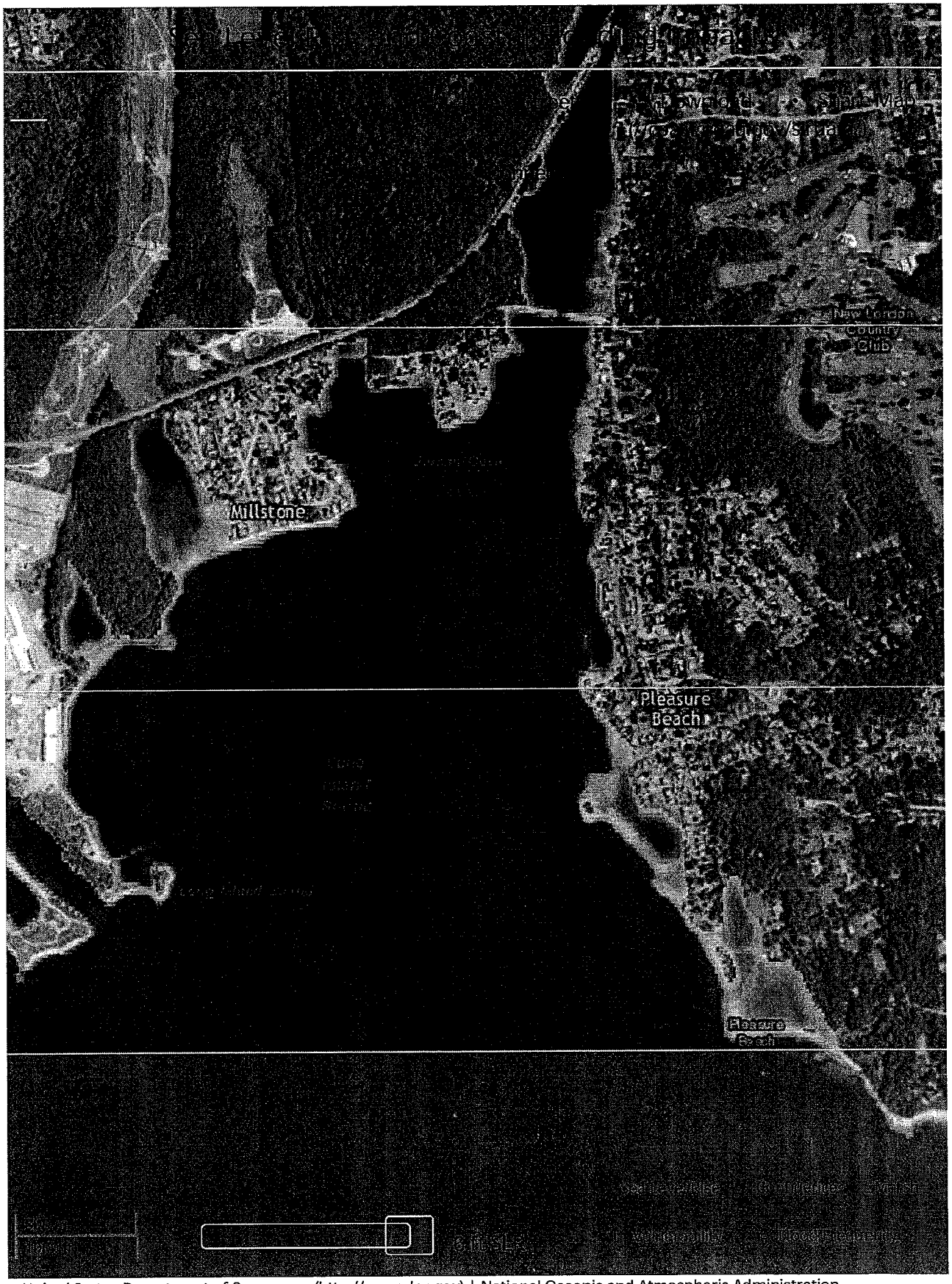
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
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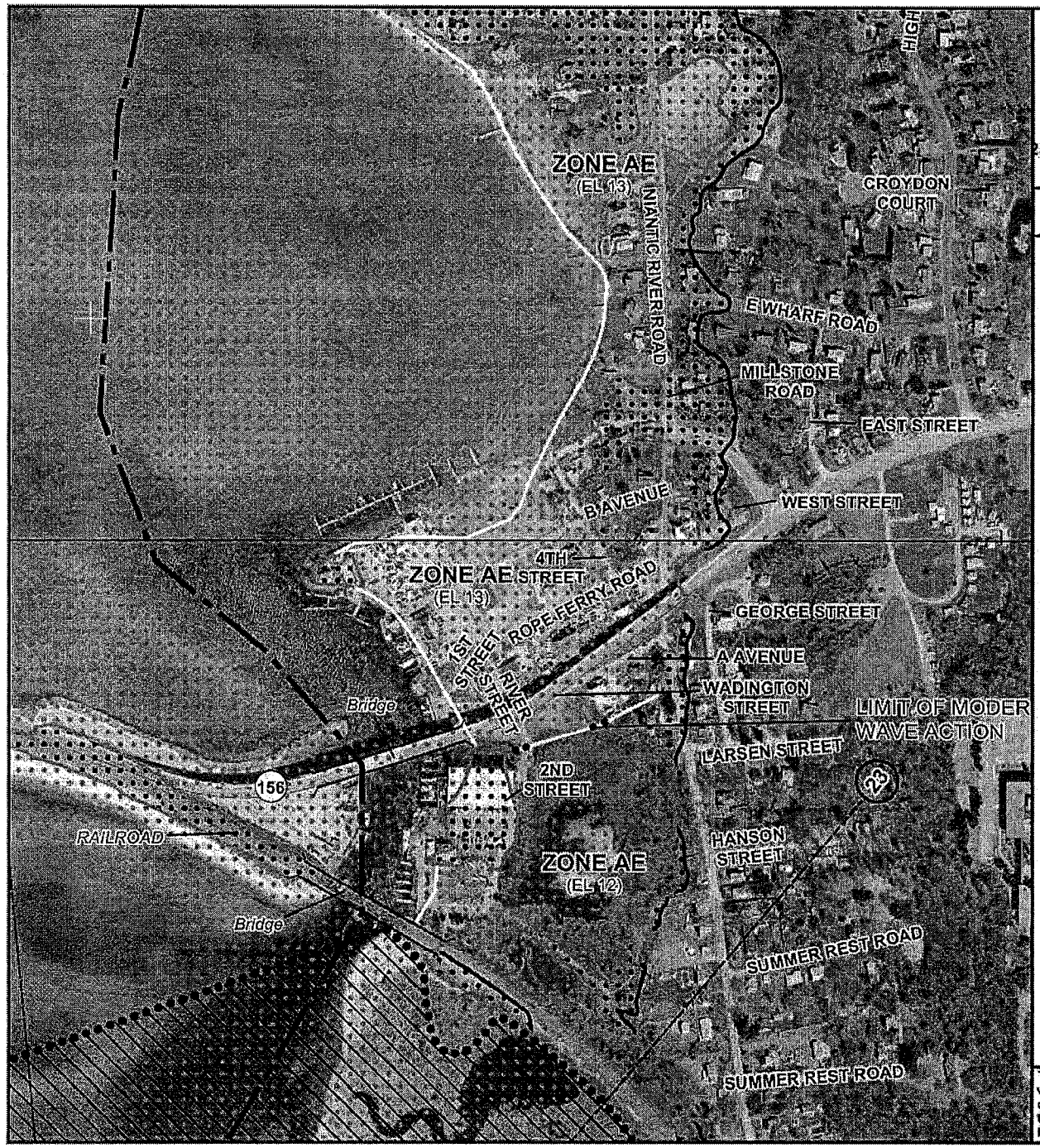
MAP REVISED
AUGUST 5, 2013

Federal Emergency Management Agency

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MAP SCALE 1" = 500'

250 0 500 1000

FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0483J

FIRM

FLOOD INSURANCE RATE MAP

NEW LONDON COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 483 OF 554

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
EAST LYME, TOWN OF	090096	0483	J
WATERFORD, TOWN OF	090107	0483	J

-NOTE-

THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

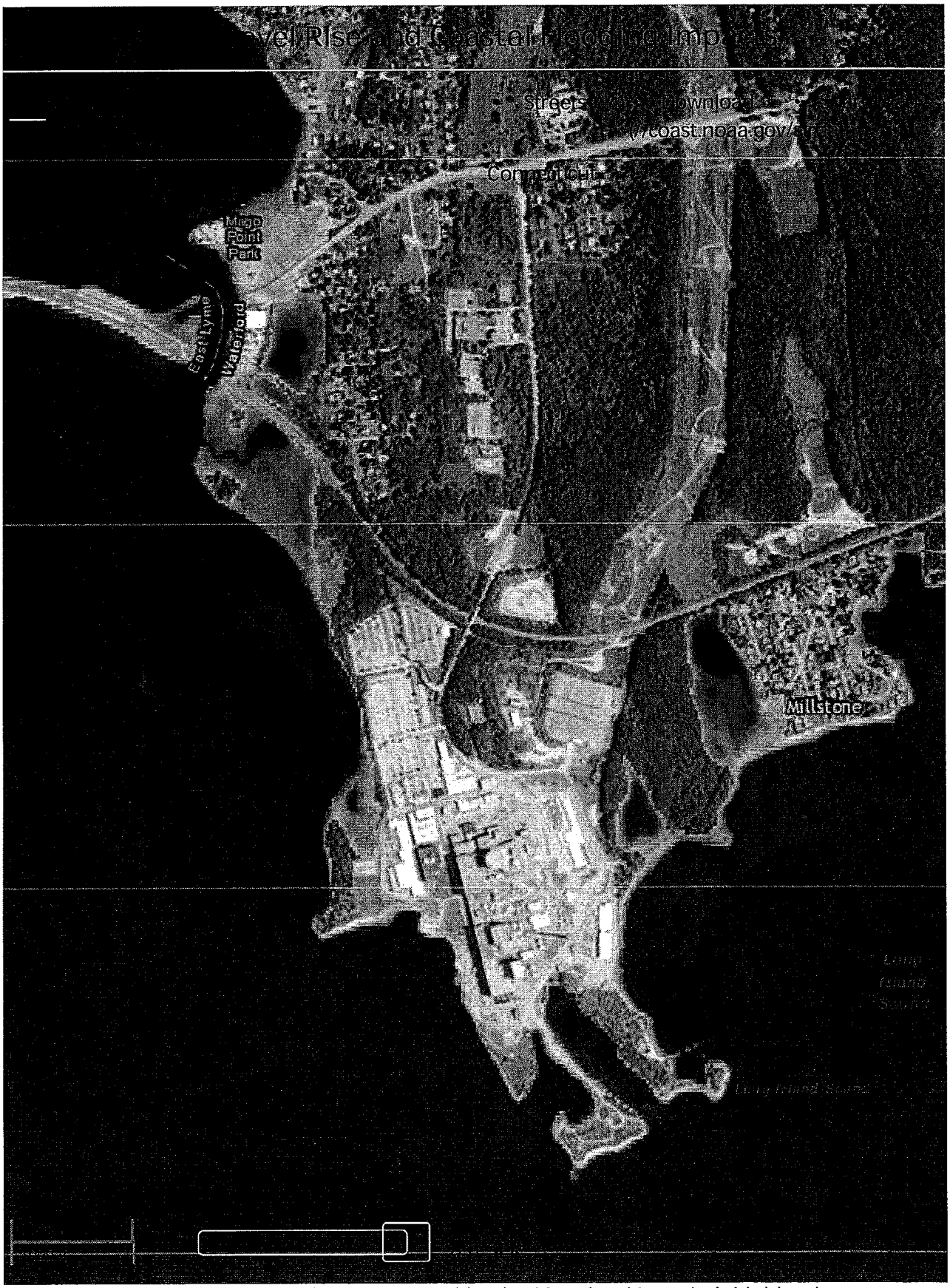
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
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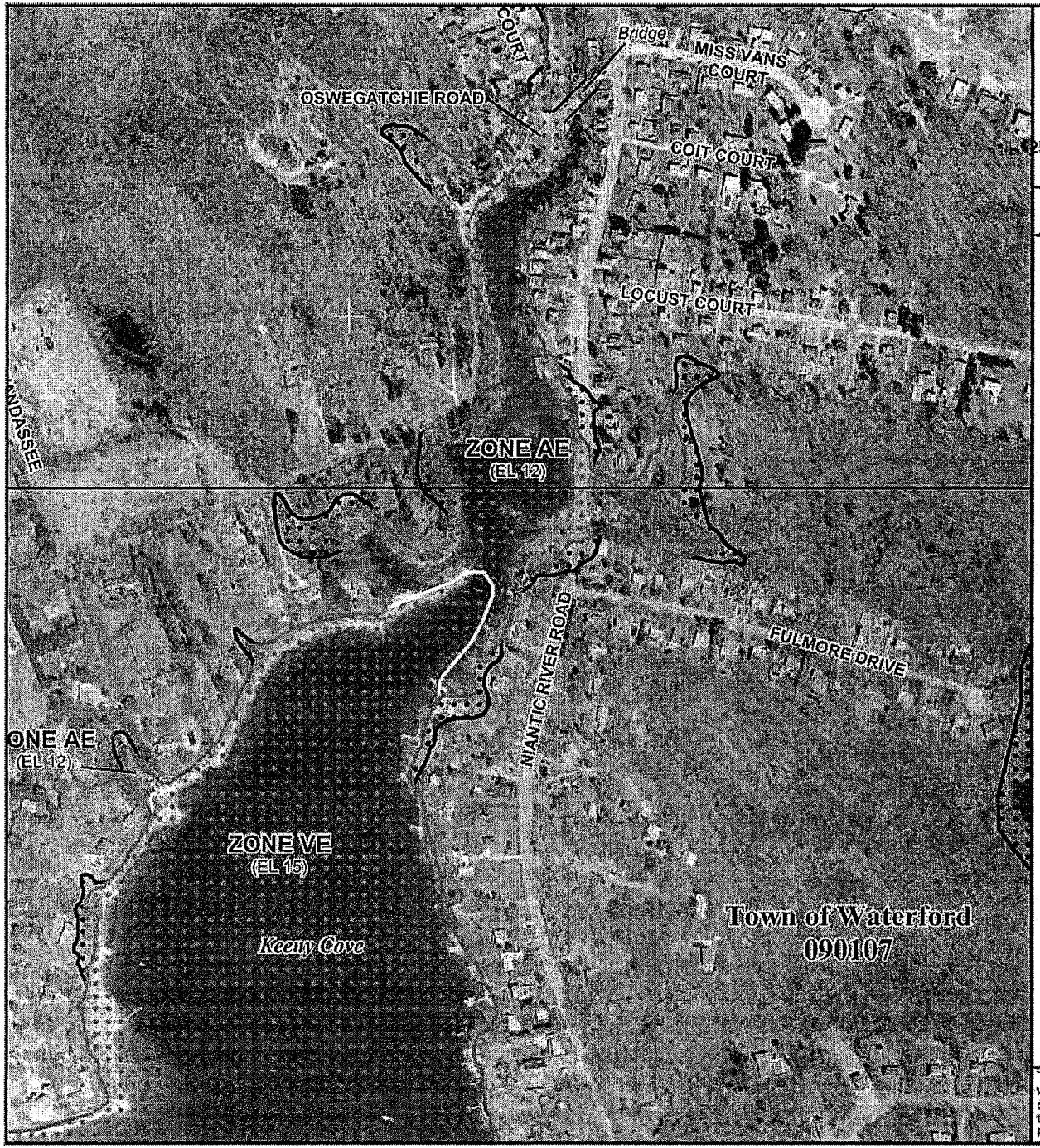
MAP REVISED
AUGUST 5, 2013

Federal Emergency Management Agency

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MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0481J

FIRM

FLOOD INSURANCE RATE MAP

NEW LONDON COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 481 OF 554

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
EAST LYME, TOWN OF	090096	0481	J
WATERFORD, TOWN OF	090107	0481	J

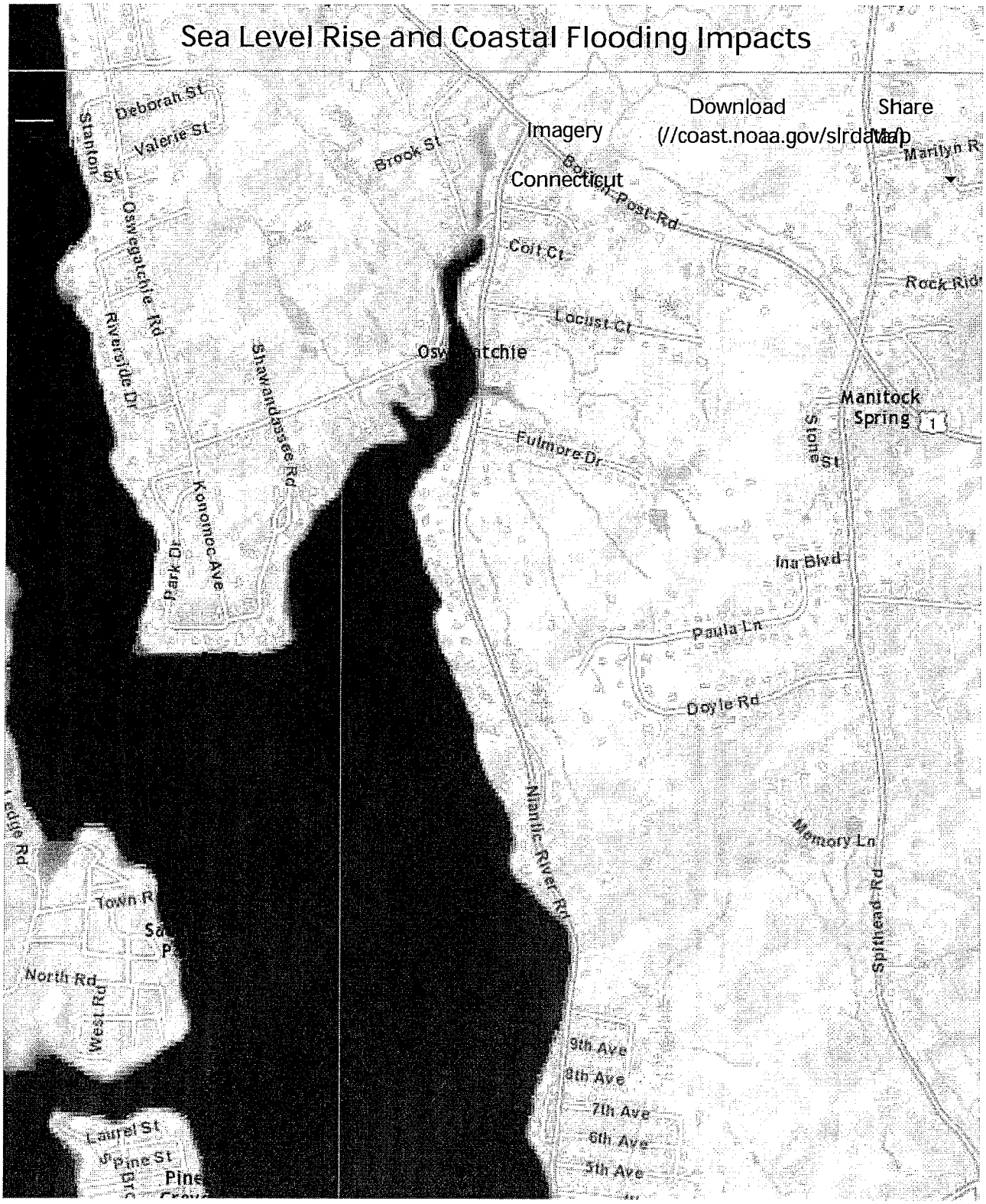
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
09011C0481J

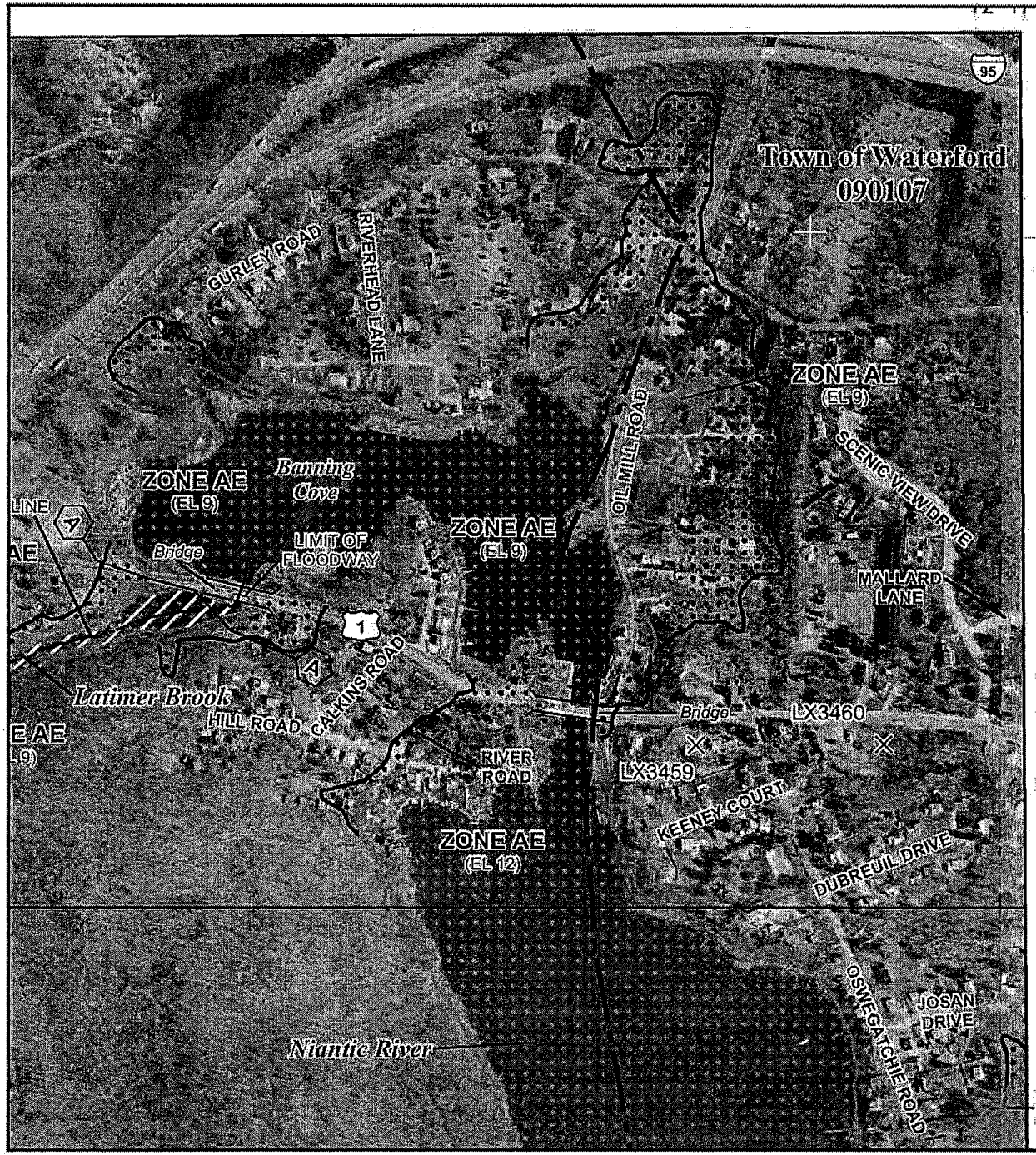
MAP REVISED
AUGUST 5, 2013

Federal Emergency Management Agency

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MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0477J

FIRM

FLOOD INSURANCE RATE MAP

NEW LONDON COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 477 OF 554

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
EAST LYME, TOWN OF	090096	0477	J
WATERFORD, TOWN OF	090107	0477	J

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
09011C0477J

MAP REVISED
AUGUST 5, 2013

Federal Emergency Management Agency

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FLOODING EFFECTS FROM LONG ISLAND SOUND

ZONE AE
(EL 12)

LIMIT OF MODERATE WAVE ACTION

ZONE AE
(EL 11)

$^{45}76^{000m}N$

JOINS PANEL 0511

MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0492J

FIRM

FLOOD INSURANCE RATE MAP

NEW LONDON COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 492 OF 554

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
WATERFORD, TOWN OF	090107	0492	J

NOTE:
THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

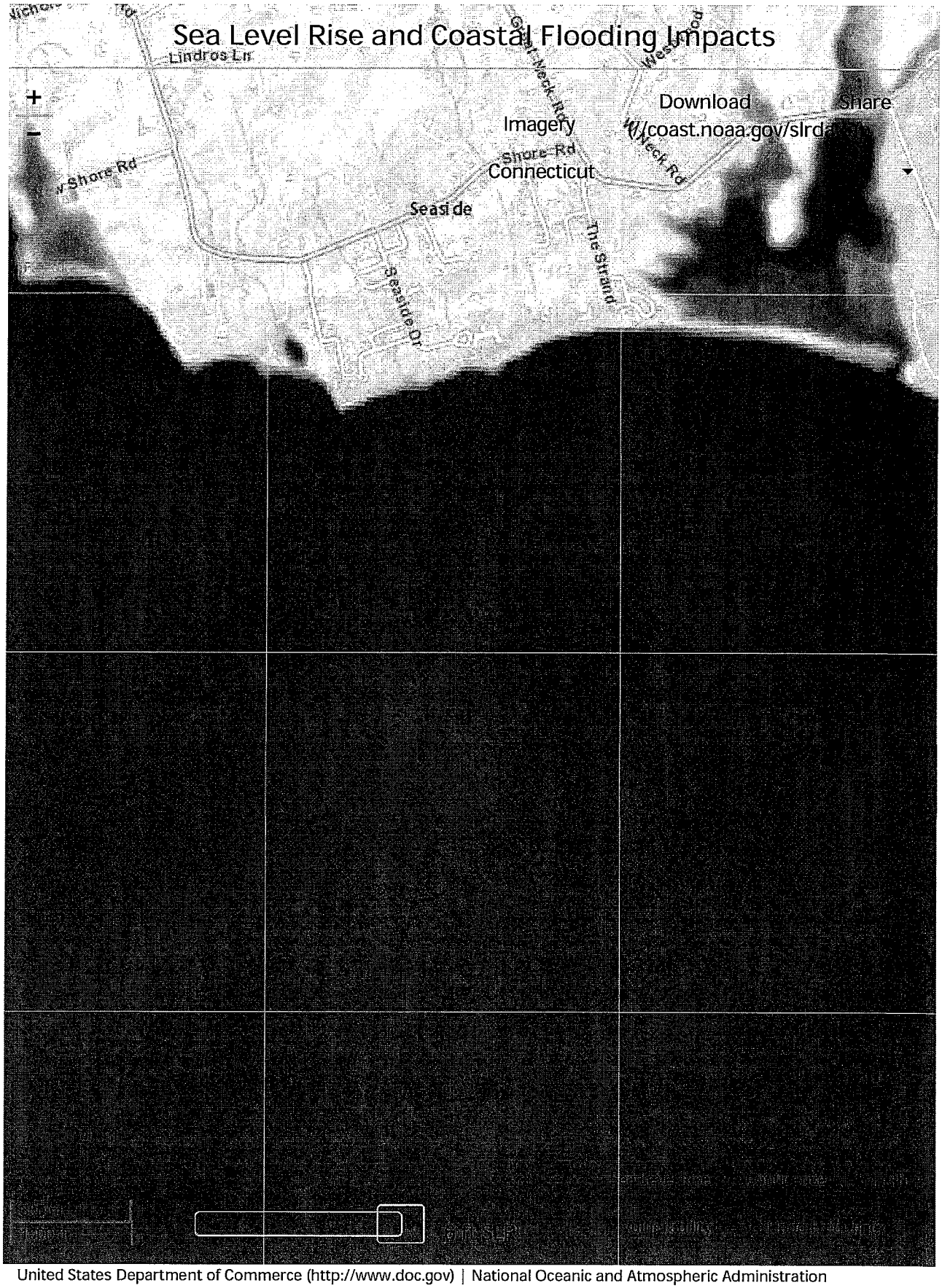
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
09011C0492J

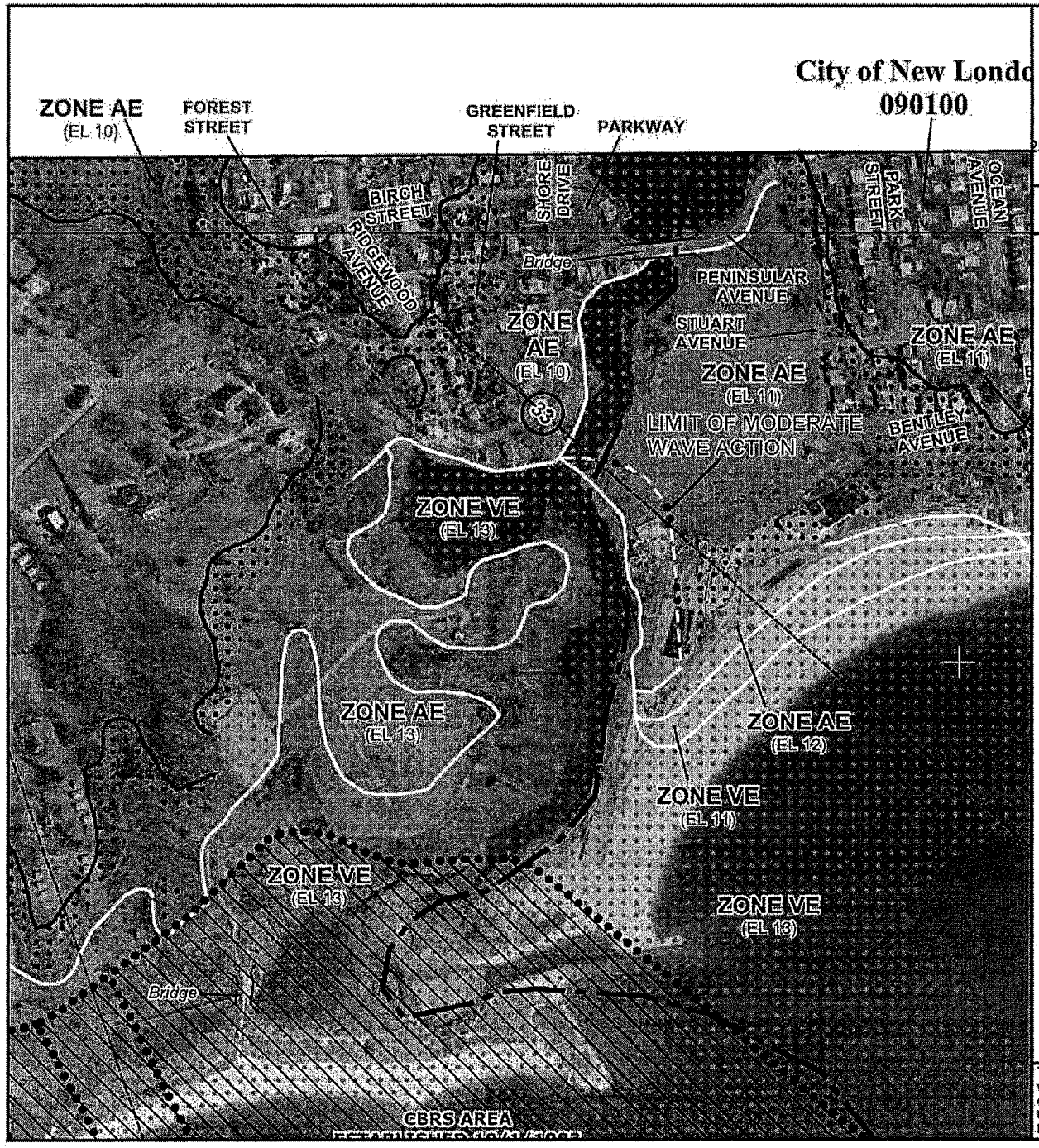
MAP REVISED
AUGUST 5, 2013

Federal Emergency Management Agency

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MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0511J

FIRM

FLOOD INSURANCE RATE MAP

NEW LONDON COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 511 OF 554

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW LONDON, CITY OF	090100	0511	J
WATERFORD, TOWN OF	090107	0511	J

NOTE:
THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

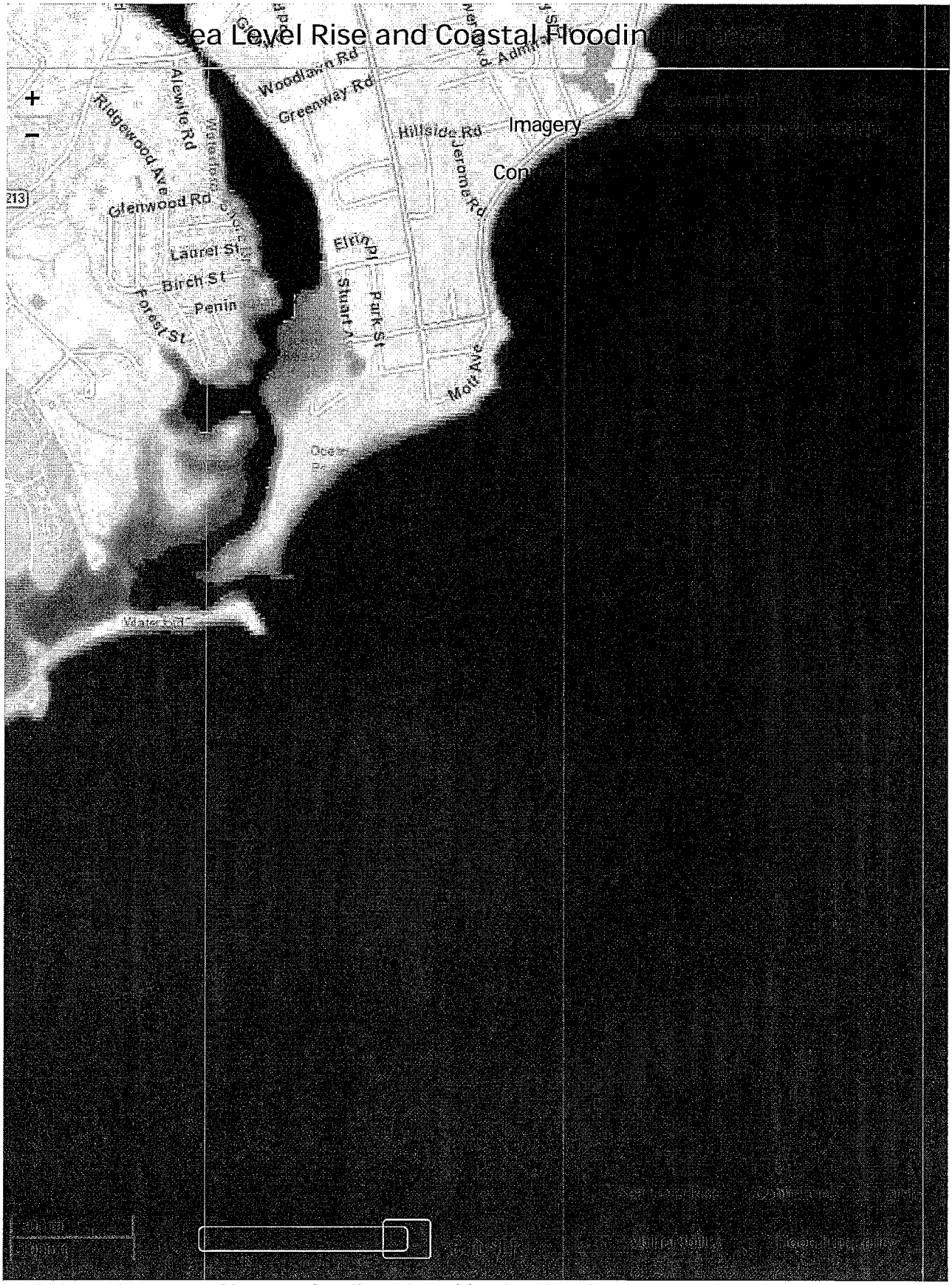
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
09011C0511J

MAP REVISED
AUGUST 5, 2013

Federal Emergency Management Agency

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APPENDIX B

WRIGHT-PIERCE
Engineering a Better Environment

PRESRAY

FB22 PRODUCT SPECIFICATIONS	FB22
Size	Custom built to any dimensions up to 40 square feet
Panel	6061-T6 Aircraft Aluminum
Frame	Conversion frame is made of A36 Carbon Steel. 304/316 Stainless Steel also available.
Seals	Presray Pneuma-Seal® technology
Hardware	Welded aluminum hand grips for easy handling. Manually operated slide bolts lock panel into jamb.
Finish	Panel is bright aluminum. Frame is blast cleaned per SSPCSP7 and primed with one coat

AVAILABLE OPTIONS

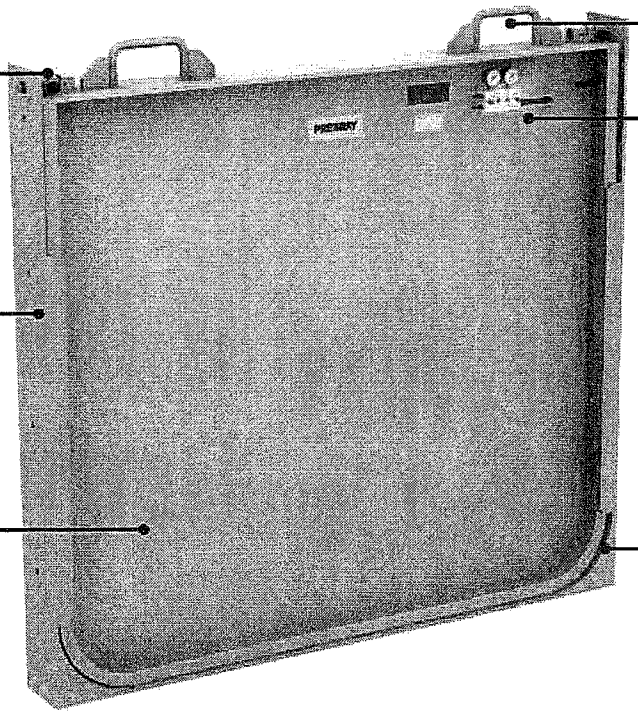
- Multi-Panel Systems with removable mullions between panels for openings too wide to be accommodated by single panel
- Frame available in stainless steel
- Hand pump or portable compressors should facility air source not be available
- Floor or Wall Mounted Storage Racks, Transport Dollies to move panels into position
- A gate version (FB22G) is available in which the panel is stored in the ceiling and is lowered for deployment

CUSTOM BUILT TO MEET YOUR REQUIREMENTS

Every FB22 Flood Barrier is custom built from shop drawings to ensure that it meets the special needs of your facility.

Barriers are designed with a minimum of 2:1 factor of safety based on material yield strength. They can be mounted inside an opening (between doorjambs), or mounted on the face of the building with the frame installed in front of the opening.

The FB22 is primed and finished on site, or, if desired, final coat can be applied at our manufacturing facility.



Slide bolts securely lock barrier in opening

Frame is A36 Carbon Steel and available for jamb mounting or face mounting

Panel is constructed with 6061-T6 Aircraft Aluminum for maintenance free use

Welded handles allow easy handling

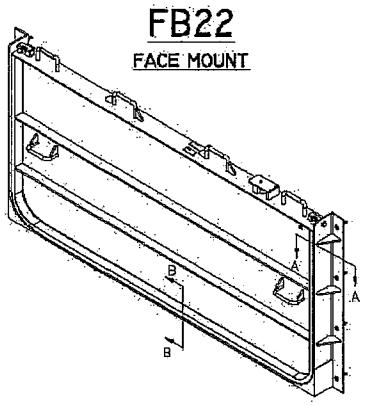
Automotive type air inflation stem and independent 0-60 PSI pressure gauge for each seal

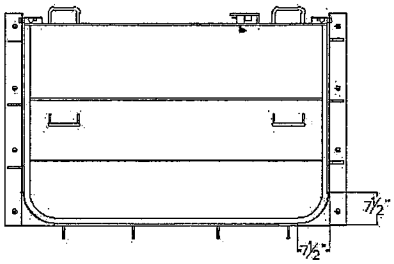
Dual pneumatic seals provide redundant protection

FOR MORE INFORMATION

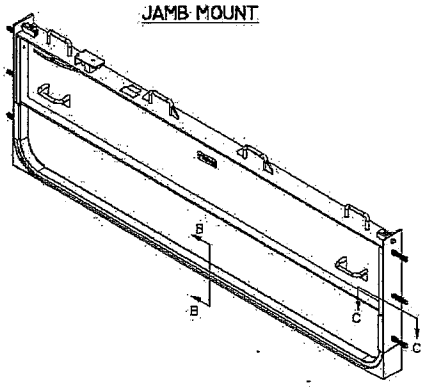
845.373.6700 ■ www.presray.com ■ contact@presray.com

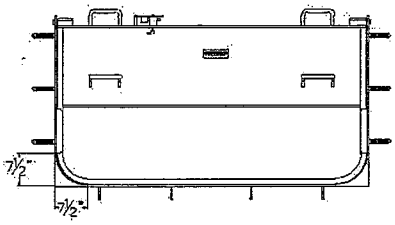
FB22
FACE MOUNT

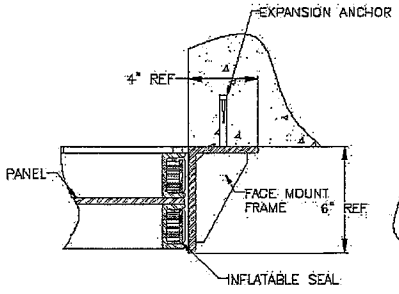




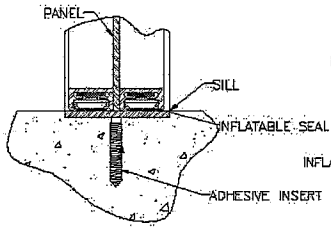
FB22
JAMB MOUNT



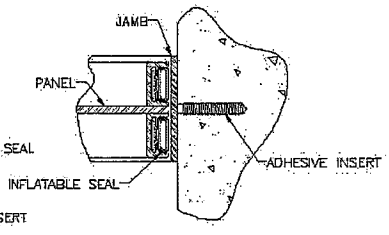




ALTERNATE FACE MOUNT
SECTION A–A



SECTION B–B



STANDARD JAMB MOUNT
SECTION C–C

PRESRAY

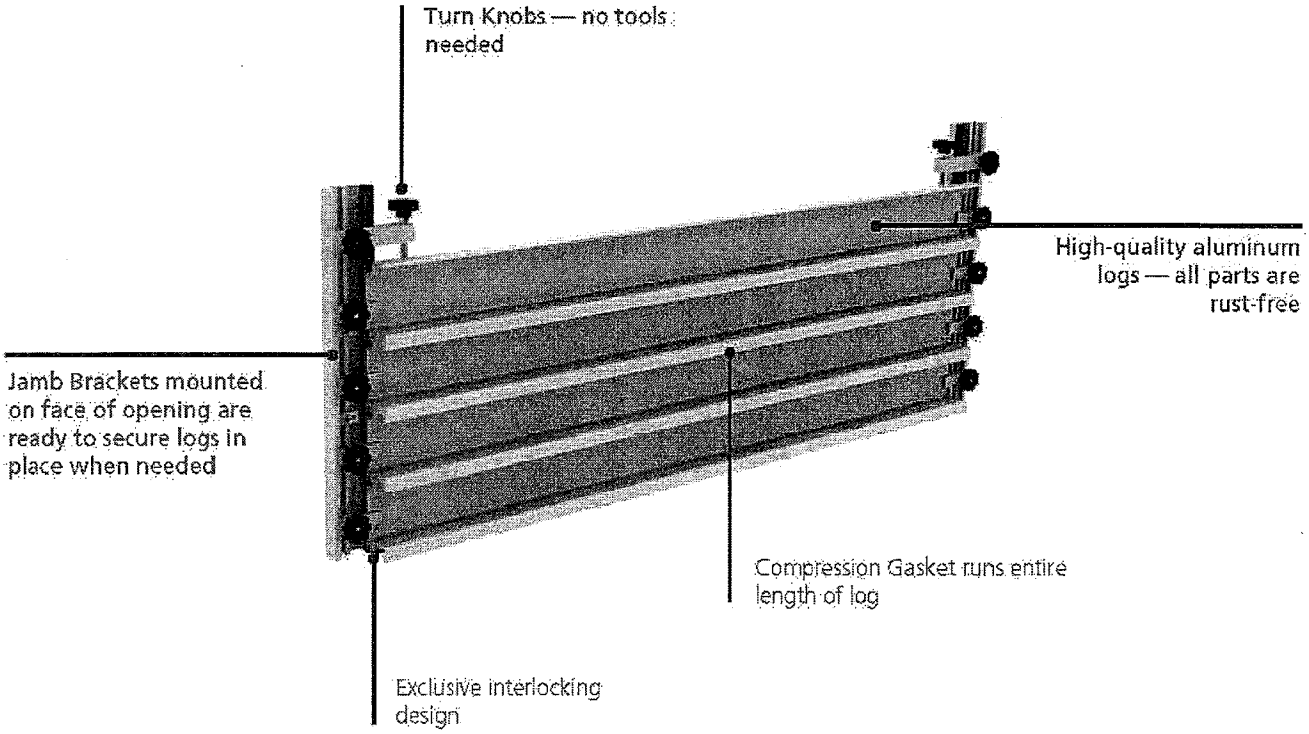
FASTLOGS-SD PRODUCT SPECIFICATIONS	FASTLOGS
Logs	Presray AL6061-T6 aluminum channels
Frames	Presray AL6061-T6 aluminum jamb Extrusion Steel jambs optional for certain conditions
Seal	Presray compression gasket composed of high-density closed cell neoprene sponge with skin, retained in the stop logs and jambs
Hardware	Presray Compression Brackets; Presray Hold Down Brackets; KN8C Turn Knobs
Finish	Stop logs mill-finish aluminum; jambs mill-finish aluminum Steel jambs (if used) primed with one coat rust inhibitive, lead-free, red primer

CUSTOMIZED TO MEET YOUR REQUIREMENTS

Custom cut and assembled to the exact dimensions for your opening, FastLogs are designed with a minimum of 2:1 factor of safety based on material yield strength.

FastLogs are mounted in front of the opening using Jamb Brackets mounted on the face of the building. The Jamb brackets have mounting holes for concrete anchors and bolts (options include epoxy anchors for block walls, and studs for concrete embedment).

Short ordering times are possible because Presray keeps the aluminum logs, jamb brackets and hardware always in stock.



FOR MORE INFORMATION
845.373.6700 ■ www.presray.com ■ contact@presray.com

PRESRAY

PRODUCT SPECIFICATIONS	CG11FS
Size	Custom built to match opening size
Panel	6061–T6 aluminum plate (steel or stainless steel optional)
Conversion Frame	Low-carbon steel (stainless steel optional)
Seals	Presray type 25 durometer, fully-molded neoprene gaskets; no mitered joints (other materials available for special environmental conditions)
Hardware	Attachment Bolts: Presray type FS Handles: Welded on top and/or face of panel for ease of handling
Finish	Panel: Bright aluminum Frame: Primed with rust inhibitive, lead free, red primer.

AVAILABLE OPTIONS

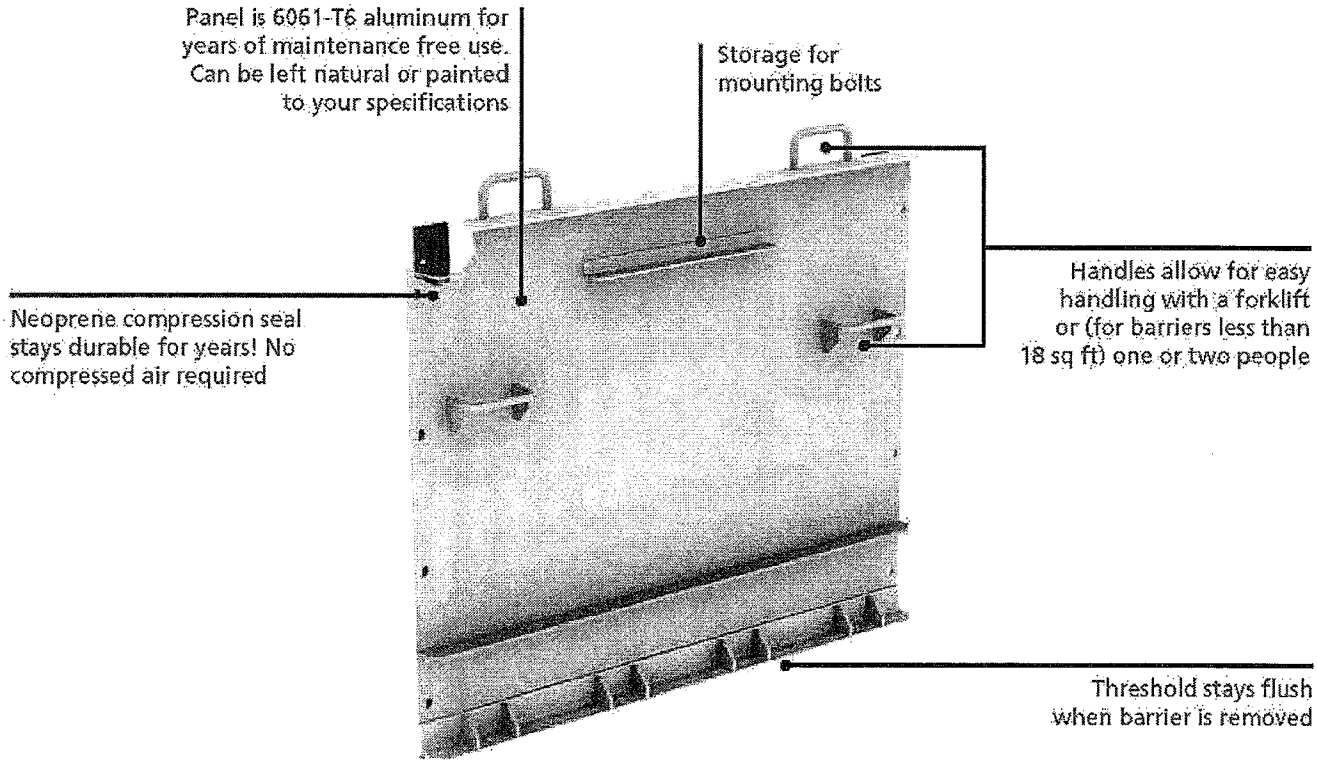
- Seals available in Viton® or other special materials
- Panel available in steel or stainless steel
- Epoxy anchors for block walls or studs for poured concrete

CUSTOM BUILT TO MEET YOUR REQUIREMENTS

Every CG11FS Flood Panel is custom built from shop drawings to ensure that it meets the needs of your facility.

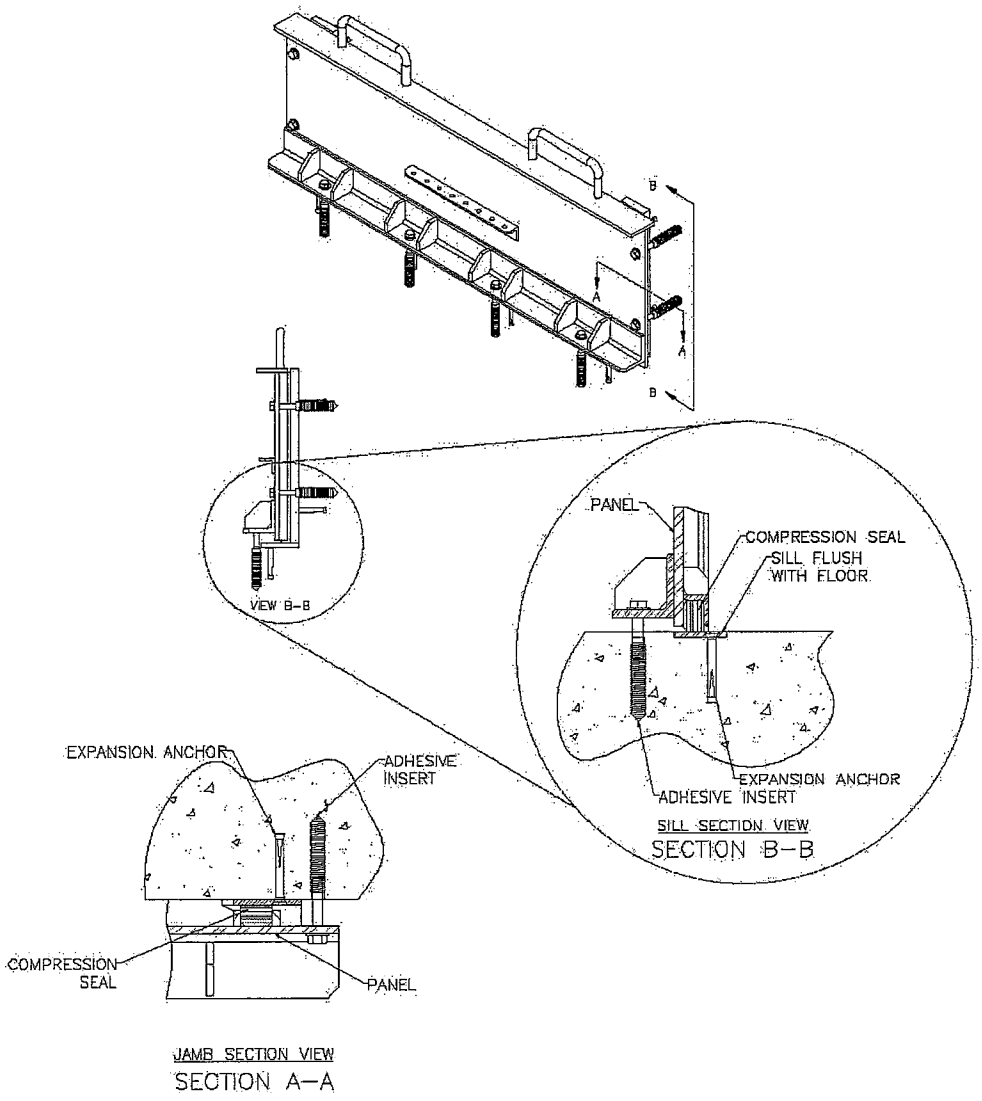
Seal areas can be designed to cover 3 or 4 sides of the panel.

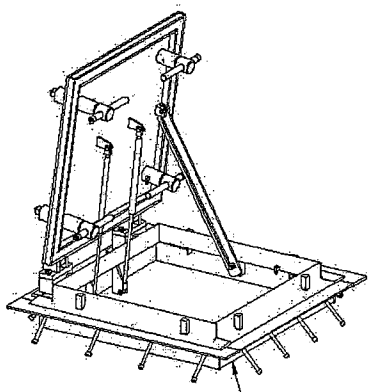
Doors are designed with a minimum of 2:1 factor of safety based on material yield strength, and will provide an effective seal against the flood level for which it is designed.

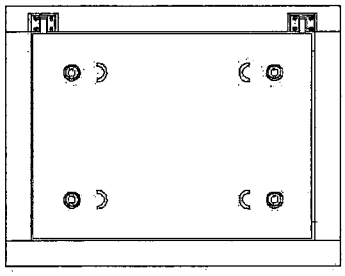


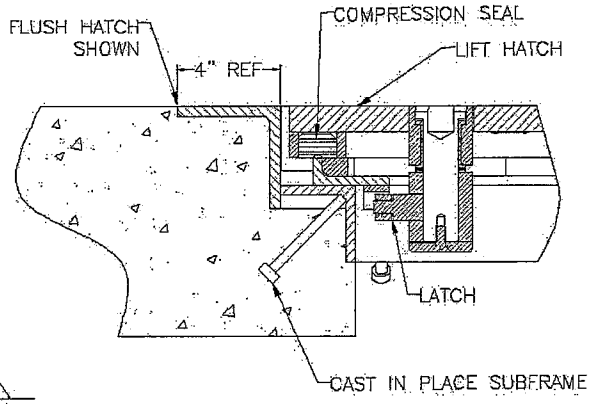
FOR MORE INFORMATION

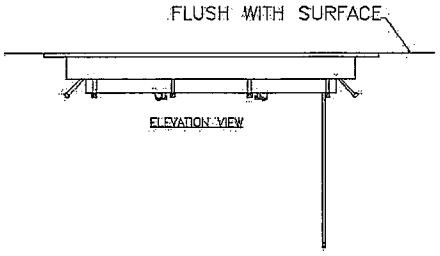
845.373.6700 ■ www.presray.com ■ contact@presray.com


B
A
A
B
VIEW B-B
PANEL
COMPRESSION SEAL
SILL FLUSH
WITH FLOOR
EXPANSION ANCHOR
ADHESIVE INSERT
SILL SECTION VIEW
SECTION B-B
EXPANSION ANCHOR
ADHESIVE
INSERT
COMPRESSION
SEAL
PANEL
JAMB SECTION VIEW
SECTION A-A


RAISED HATCH
SHOWN


PLAN VIEW


FLUSH HATCH
SHOWN
4" REF
COMPRESSION SEAL
LIFT HATCH
LATCH
CAST IN PLACE SUBFRAME


FLUSH WITH SURFACE
ELEVATION VIEW

WRIGHT-PIERCE

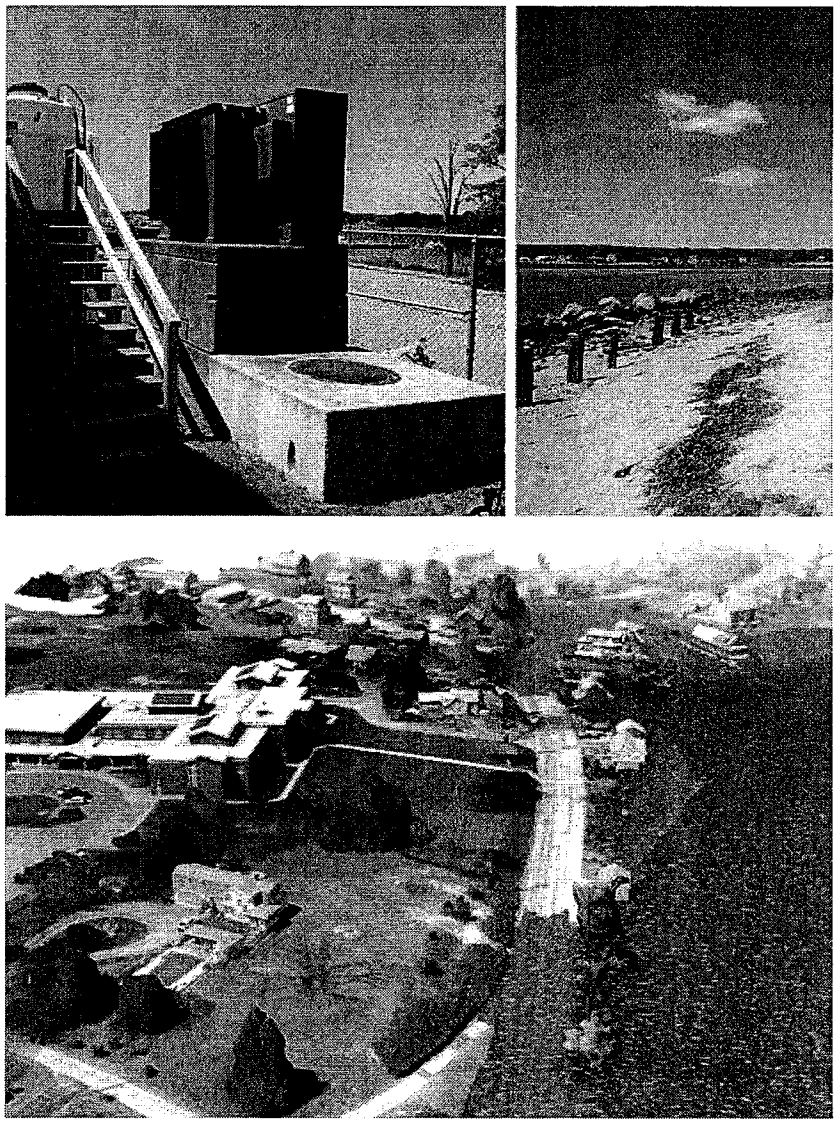
Engineering a Better Environment

KLEINFELDER
Bright People. Right Solutions.

CDBG-DR 2015

CLIMATE CHANGE RISK VULNERABILITY, RISK ASSESSMENT AND ADAPTATION STUDY

WATERFORD, CONNECTICUT



Prepared For:
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DRAFT
September 18, 2017

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY **Utility Commission**	**CONTACT PERSON** **Neftali Soto - Chief Engineer**
PROJECT NAME **Eval. & Replacement of Air Release Valves**	**DEPARTMENT PRIORITY** **9**

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

The Waterford Utility Commission is responsible for the operation and maintenance of approximately 12 air release valves installed at the high points of various sewer force mains in the collection system. It is recommended that an initial inventory and condition assessment of all existing air release valves be conducted and that the least 4 valves be replaced each year. It is also recommended that an evaluation of the Stoney Brook Pump Station force main be conducted to determine if an air any air release valves are required. Regardless of the age of the valves, yearly inspection should be part of the WUC's routine inspection. Based on an assumed replacement cost of $5,000 for each individual unit, and a cost of $5,000 to evaluate the Stoney Brook Pump Station force main, the Utility Commission should be planning on the need to budget approximately $65,000 over the next four years (not including inflation).

2 PROJECT STATUS IF IN PROGRESS

Not in progress, yet. Once additional funding is approved, we will proceed with implementation in order to take advange of the economies of scale.

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

None.

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

See Wright- Pierce Evaluation.

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)

None.

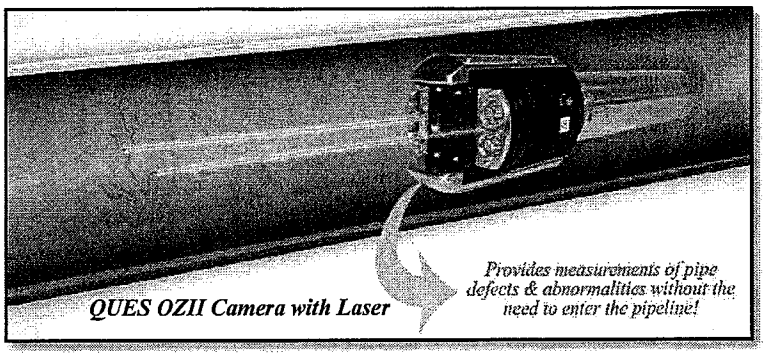
6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION

See Wright-Pierce Evaluation

7 COST/FUNDING SOURCE

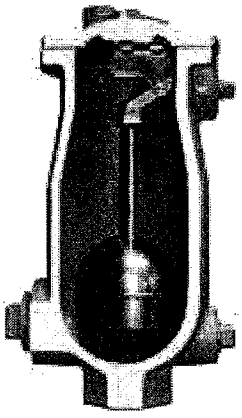
	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	CNR	$ 30,000	$ 13,000	$ 13,000	$ 14,000	$ 15,000	$ -
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	Undesignated CNR fund balance						
7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS	**$ 30,000**	**$ 13,000**	**$ 13,000**	**$ 14,000**	**$ 15,000**	**$ -**

- **CCTV Truck Equipment Upgrades and Appurtenances** – The Waterford Utility Commission owns and operates their or CCTV and flusher truck. As technology progresses, older camera equipment and software packages are no longer supported and require replacement. The Utility Commission should be planning on the need to budget approximately $50,000 every 5 year (not including inflation) to purchase additional camera equipment and software as well as the purchase newer more efficient technologies such as a zoom pole camera and CCTV cameras with laser capabilities to detect pipe abnormalities and spherical distortion such as the QUES OZII. This budget item is cost effective when compared to the cost of subcontracting out CCTV work. For example, WUC staff televised approximately 40,000 linear feet of sewer pipe in 2015. If subcontracted out, this would have cost the WUC between $40,000 and $50,000 for one single year.



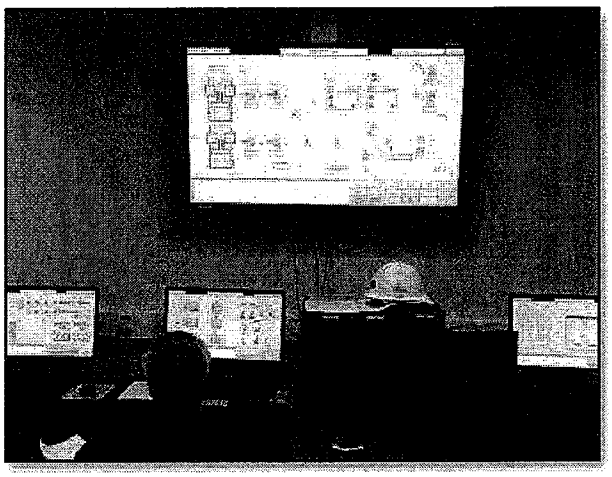
QUES OZII Camera with Laser

- **Sewer Force Main Air Release Valves** - The Waterford Utility Commission is responsible for the operation and maintenance of approximately 12 air release valves installed at the high points of various sewer force mains in the collection system. It is recommended that an initial inventory and condition assessment of all existing air release valves be conducted and that the 4 valves be replaced each year. It is also recommended that an evaluation of the Stoney Brook Pump Station force main be conducted to determine if an air any air release valves are required. Regardless of the age of the valves, yearly inspection should be part of the WUC's routine inspection. Based on an assumed replacement cost of $5,000 for each individual unit, and a cost of $5,000 to evaluate the Stoney Brook Pump Station force main, the Utility Commission should be planning on


Typical Air Release Valve

the need to budget approximately $65,000 over the next 10 years (not including inflation).

- **SCADA System Equipment Upgrades** – The Waterford Utility Commission is currently in the process of installing an upgraded SCADA system to monitor and remotely control their sewer pump stations. Funding has been procured, RFPs have been received, and a contract award is anticipated in 2015. As technology progresses, hardware, such as the programmable logic controllers (PLCs), and software are no longer supported and require replacement. The Utility Commission should be planning on the need to budget approximately $200,000 in 10 years (not including inflation) to purchase newer more efficient hardware and software packages for their SCADA system.



Typical SCADA System Server/Central Station

- **Individual Property Grinder Style Pump Stations** - The Waterford Utility Commission is also responsible for the operation and maintenance of approximately 135 individual property grinder style pump stations. This number will continue to reduce based on a May 2004 ordinance changing the responsibility of the operation and maintenance of these grinder stations to the property owner. The Utility Commission also provides a user fee credit to each property for the electrical cost to operate each town owned station. Utility Commission staff routinely addresses equipment problems with these stations and reportedly have the equivalent of 0.5 staff members dedicated to this effort. Based on our current understanding of this program, it appears that it results in an overall lower equivalent user fee for properties with pumping systems, compared to those without pumping systems.

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	**CONTACT PERSON**
Utility Commission	**Neftali Soto - Chief Engineer**
PROJECT NAME	**DEPARTMENT PRIORITY**
Future SSES/CMOM	**12**

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

The Town of Waterford embarked on a massive sewers extension program directed to protect our natural resources, improve our living standards, and to some degree provide the proper environment and infrastructure to attract industrial and commercial institutions. In recognition to the aging wastewater infrastructure nationwide, the EPA is in the process of expanding the Clean Water Act with new rules which will require municipal systems to develop and implement a formal Capacity, Management, Operation, and Maintenance Program (CMOM). The proposed CMOM program rules include requirements to continuously monitor and maintain wastewater collection systems in order to prevent sanitary sewers overflows (SSOs). In order to comply with this program, the municipality must continue to conduct detailed sanitary system evaluations and surveys (SSES). The UC initiated its SSES program four years ago and it is committed to continue it for the efficient, safe, and reliable operation of our system. Therefore, funds from the Sewer Development and Maintenance Fund (SDMF) are intended to be used for these endeavors.

2 PROJECT STATUS IF IN PROGRESS

Annual Activity

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

Grit Receiving Station and CCTV Equipment are major tools and components of this evaluation.

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

More efficient operation. Reduction on energy and treatment cost. Liability exposure reduction.

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)

The CTDEEP currently allows for a 20%/80% grant loan program for sewer repairs and 55% grant for SSES. However, although it is our intention to pursue such funding, the competition for these funds across the state is very fierce.

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION

See Wright-Pierce Capital Needs Evaluation

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund		$ 33,000	$ 33,000	$ 33,000	$ 33,000	$ 33,000
3	CNR						
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	Undesignated CNR fund balance						
7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS	**$ -**	**$ 33,000**	**$ 33,000**	**$ 33,000**	**$ 33,000**	**$ 33,000**

pump stations and Maintenance Building. The life expectancies of some of the structure features are past their useful life and require replacement. These upgrades include landscaping, tree removal, roofing, site lighting, doors, hardware, painting, siding, fencing and paving. It is recommended that the Utility Commission budget $100,000 in 2016, and then $50,000 each additional year for such improvements and replacements.

- **Long Term SSES Efforts/CMOM** - It is prudent operating practice to implement an annual program to routinely clean and inspect portions of the sewer system in order to avoid SSOs and prevent catastrophic failures. When promulgated, Federal CMOM rules will require a formal program to monitor the collection system in order to identify maintenance and repair requirements. This will include cleaning and TV inspections of the entire sewer system, along with inspections of every manhole. Currently, the Utility Commission has the necessary equipment and staff to perform this type of monitoring work and should continue these efforts by planning to CCTV 5 to 10 miles of gravity sewer piping each year with a focus on concrete gravity sewer piping to avoid pipe failure similar to that experienced on Logger Hill Road. From past I/I studies, select areas have been prioritized for additional SSES work including the Richards Grove, Stoney Brook, Bolles Court, Blue Hills, Evergreen and New London drainage areas.

- **New London Draft Order and Long Island Sound Nitrogen Reduction Payments** – All of the wastewater generated in Waterford is transported and treated at the New London Wastewater Treatment Plant (WWTP). As part of a terms and conditions of an inter-municipal agreement, Waterford is committed to make a yearly Long Island Sound Nitrogen Reduction payment to New London. Waterford will also be responsible for a percentage of the project costs associated with the next WWTP upgrade.

3 CAPITAL IMPROVEMENT PLAN

The Waterford system is relatively new. However, most of the sewers and pump stations are now over 40 years old and are experiencing an increasing need to address normal deterioration and wear. The Waterford Utility Commission should plan for the long-term repair and upgrade of the collection system in addition to routine operation and maintenance requirements. The

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY **Utility Commission**	**CONTACT PERSON** Neftali Soto - Chief Engineer
PROJECT NAME **LI Sound Nitrogen Reduction Payment**	**DEPARTMENT PRIORITY** **Commitment**

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

A State mandate effective January 2001 required the New London sewage treatment facility to reduce the amount of discharged nitrogen by 56%. This funding represents the Town of Waterford's share ($780,000 at 2% interest over twenty years) of the improvements made to the regional treatment facility necessary to comply with the mandate.

2 PROJECT STATUS IF IN PROGRESS

Annual Commitment

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

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

Treatment Cost.

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)

None.

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund		$ 44,600	$ 43,900	$ 43,200	$ 42,500	$ 41,800
3	CNR						
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	Undesignated CNR fund balance						
7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS	$ -	$ 44,600	$ 43,900	$ 43,200	$ 42,500	$ 41,800

pump stations and Maintenance Building. The life expectancies of some of the structure features are past their useful life and require replacement. These upgrades include landscaping, tree removal, roofing, site lighting, doors, hardware, painting, siding, fencing and paving. It is recommended that the Utility Commission budget $100,000 in 2016, and then $50,000 each additional year for such improvements and replacements.

- **Long Term SSES Efforts/CMOM** - It is prudent operating practice to implement an annual program to routinely clean and inspect portions of the sewer system in order to avoid SSOs and prevent catastrophic failures. When promulgated, Federal CMOM rules will require a formal program to monitor the collection system in order to identify maintenance and repair requirements. This will include cleaning and TV inspections of the entire sewer system, along with inspections of every manhole. Currently, the Utility Commission has the necessary equipment and staff to perform this type of monitoring work and should continue these efforts by planning to CCTV 5 to 10 miles of gravity sewer piping each year with a focus on concrete gravity sewer piping to avoid pipe failure similar to that experienced on Logger Hill Road. From past I/I studies, select areas have been prioritized for additional SSES work including the Richards Grove, Stoney Brook, Bolles Court, Blue Hills, Evergreen and New London drainage areas.

- **New London Draft Order and Long Island Sound Nitrogen Reduction Payments** – All of the wastewater generated in Waterford is transported and treated at the New London Wastewater Treatment Plant (WWTP). As part of a terms and conditions of an inter-municipal agreement, Waterford is committed to make a yearly Long Island Sound Nitrogen Reduction payment to New London. Waterford will also be responsible for a percentage of the project costs associated with the next WWTP upgrade.

3 CAPITAL IMPROVEMENT PLAN

The Waterford system is relatively new. However, most of the sewers and pump stations are now over 40 years old and are experiencing an increasing need to address normal deterioration and wear. The Waterford Utility Commission should plan for the long-term repair and upgrade of the collection system in addition to routine operation and maintenance requirements. The

TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM

DEPARTMENT/AGENCY	**CONTACT PERSON**
Utility Commission	**Neftali Soto - Chief Engineer**
PROJECT NAME	**DEPARTMENT PRIORITY**
Fargo La./Douglas Hill Water Tank Rehab	**4**

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

The Connecticut Department of Health (CTDOH) requires for water storage tanks to be inspected every ten years. The Town of Waterford was reminded of this requirement during a sanitary survey conducted by the Connecticut Department of Health about five years ago, and most recently as part of the MOU related to Waterford's Public Water Supplier status with the CTDOH. Therefore, in order to comply with CTDOH requirements in 2011 the Utility Commission retained the services of Lenard Engineering, Inc. (LEI) to conduct such inspection and evaluation on our behalf. A partial copy of this report is submitted as support docs. The Vauxhall Street tank will be again inspected in the year 2017. Based on the findings of the LEI report some minor aesthetics and structural repairs, as well as a new interior (wet area) coating and exterior coating are recommended. During their sanitary survey the Department of Health also determined that the discharge point of the Douglas Hill tank overflow has to be relocated because it cannot be inside a catch basin. According to the CTDPH, a back siphoning condition could occur. The tank is about 116 feet high. The writer explained to the DPH technician that the laws of physics would not allow for such back siphoning to occur. However, as of today the DPH has not withdrawn their determination. The writer will continue challenging this determination. NOTE: Specifications for this work were already developed by Lenard Engineering; therfore, this is a "shovel ready" project. Since these specs will be used during the procurement process, they were not included on this plan. (If needed, I can provide a copy, if requested.)

2 PROJECT STATUS IF IN PROGRESS

Evaluation was conducted by engineering consultant and recommendations given.

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

None.

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

None. The tank is operated and maintained by the City of New London under Inter-local agreement.

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)

None known.

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION

See appendix.

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2019	FY2020	FY2021	FY2022	FY2023
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	CNR	$0	$ 400,000	$ 450,000			
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	Undesignated CNR fund balance						
7	Federal/State Grants (detail in section 5)						
8	Other (detail in section 5 above)						
	TOTALS	**$0**	**$ 400,000**	**$ 450,000**	**$ -**	**$ -**	**$ -**

Condition Inspection Report

for the

750K Gallon Fargo Road Waterspheroid Tank

Waterford Water Pollution Control Authority

December 2011

Prepared for:

Mr. Jim Ericson, PE
Vice President
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Prepared by:

Mr. Joe Harris
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ITI.

Infrastructure Technologies, Inc.

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INTRODUCTION

On November 29, 2011 ITI conducted a condition inspection of the Fargo Road Waterspheroid Tank operated by Waterford Water Pollution Control Authority. The inspection protocol included a full inspection of the tank exterior and an inspection of the tank interior via ROV (Remote Operated Vehicle). Both the interior and exterior of the tank were evaluated per AWWA Standard D 101-53 (R1986) "Inspecting and Repairing Steel Water Tanks, Standpipes, Reservoirs, and Elevated Tanks, for Water Storage" and the "10 Year Atmospheric Storage Tank Inspection Guidelines" issued by the State of Connecticut Department of Public Health, Drinking Water Section where possible.

The Fargo Road Waterspheroid Tank was last painted in the 1984 when the tank was originally built. The current interior protective coating system is unknown but likely a conventional epoxy and the exterior system is alkyd incorporating a red lead primer.

Tank statistics: The tank is a welded steel structure and is 140 ft. high.

FINDINGS

Exterior:

See TABLE I – Tank Exterior Condition

See Photograph Section

Interior:

See TABLE II – Tank Interior Condition

See ROV Video

Safety Appurtenances:

- There is no exterior roof handrail system in place to prevent falls from the tank roof.
- The interior access ladder rungs are 15-1/2 inches from the inside of the side rails. OHSA 29CFR1910.27 requires the length of rung between the side rails to be 16-0 inches minimum.

Additional Findings:

- The exterior DFT is approximately 9 to 10 mils thick in two coats. This includes a primer and finish coat.
- The adhesion of the topcoat to the prime coat is poor. ASTM D3359 Method A X-Cut was used to test the coating system adhesion.
- There is lead in the primer coat, therefore, exterior repainting strategies must take into account technologies and methods that will prevent lead paint waste and dust from leaving the immediate area of the tank. See SSPC Guide 6 (Latest Revision) "Guide for Containing Debris Generated During Paint Removal Operations".

RECOMMENDATIONS

Exterior:

The exterior protective coating system has surpassed its service life and should be replaced.

Interior Wet Areas:

The interior tank lining has surpassed its service life and should be replaced.

Interior Dry Areas:

Interior dry areas exhibiting rust may be locally treated by the strategy of spot repair and over coat. In addition the dry areas may be pressure washed to remove dirt and grime, however, care should be taken to cover all electronic equipment if pressure washing is used in the dry areas of the tank.

Safety Appurtenances:

- The center working area of the roof should have a circular hand rail system installed meeting OSHA 29CFR1910.23 to provide for a safe working area.
- Interior access ladders should be modified to provide for a minimum clear length of rung of 16-0 inches per OSHA 29CFR1910.27.
- All Safety-T-Climb rails should be replaced.

*Recommended Protective Coating Systems:**

Exterior:

- Primer (Conventional Epoxy)
- Intermediate Coat (Conventional Epoxy)
- Finish Coat (Two Coats of an Aliphatic Polyurethane)

Interior Wet Areas:

- Stripe Coats (Conventional Epoxy)
- Prime Coat (Conventional Epoxy)
- Finish Coat (100% Volume Solid Epoxy except in vapor phase of tank interior)
- In Vapor Phase of Tank Interior – apply three coats of Conventional Epoxy including Stripe coats. This provides workability around structural beams and surfaces with edges.

Interior Dry Areas(Spot Repair and Overcoat):

- Conventional thin film Epoxy or Moisture Cured Urethanes both in two coats.

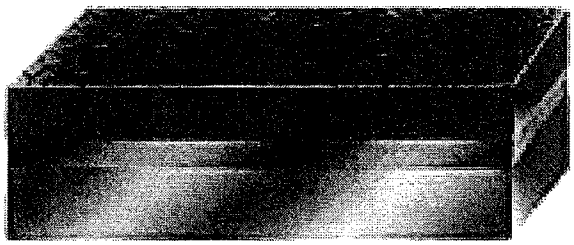
*See coating manufactures Product Data Sheets for Dry Film Thickness requirements.

DISCUSSION

Condition of Paint:

- Exterior –

The exterior protective coating system has performed well due to the use of a lead pigmented primer in 1984. However, normal film degradation and age has lead to the exposure of the prime coat in many places and checking of the finish coat.



Checking or micro-cracking of the finish coat can been seen by a microscopic examination. This film failure occurs as coatings become aged and brittle. In the end micro-cracking leads to paint film undercutting and release from the underlying substrate. Hence, the areas of the tank where the finish coat has been removed and the lead primer exposed.

Due to this type of paint film failure the only option for this tank is to completely remove the existing coating system. Choosing the option of remove and replace will provide for a paint system that should perform for 15 to 20 years. A painting strategy of spot repair and overcoat could lead to rapid premature failure of the existing paint film.

- Interior-

The interior tank lining is failing by a number of causes. They include osmotic blistering, pin hole porosities, and edge failure to name a few. As a result exposed steel substrate is corroding which in the long run will lead to structural damage which will require repair. See the enclosed ROV Video and associated Video Log.

Life Expectancy of the Existing Protective Coating Systems -

- Exterior Protective Coating System-The exterior protective coating system is becoming unsightly due to the loss of finish coat. However, as long as the red lead primer stays intact it will continue to protect the tank from corrosion.
- Interior Tank Lining-The interior tank lining has reached its useful life and should be replaced to prevent structural damage to the tank.

General –

The overcoating of existing paint systems is always problematic. However, certain parameters have been developed from empirical data that give a structure owner guidance in selecting an appropriate strategy. TABLE 3 provides guidance in three categories important to an overcoating strategy. They are degree of protective coating deterioration, adhesion strength and Dry Film Thickness (DFT). These parameters are to be judged in the whole as well as independently. A protective coating system can have low DFT's but have poor adhesion detrimental to an overcoating strategy.

The assessment of a structure with regards to corrosion damage is one of economics. From the analysis of cost associated with protective coating projects it has been determined that above certain limits the repair of protective coating systems is as expensive as full replacement. In Table 3 an unlikely candidate for repair would have greater than 17% coating failure. The range for possible candidates is 10%-17%. This results from factors such as size and complexity of structure as well as the degree of environmental controls.

DFT is an important parameter as it relates to the build-up of residual stress in a coating as its' thickness increases. From TABLE 3 protective coating systems which have DFT's greater than 30 mils are not likely candidates for overcoating. This is because the possibility for premature failure from the application of additional coats of paint is increased. Although other data should be considered such as adhesion strength and condition of the existing protective coating system, adhesion or tensile strength is an important parameter as it provides information on the strength of the existing protective coating system. Protective coating systems with low adhesion strength are more likely to fail prematurely from the application of additional coats of paint. The application of thermal expansion and contraction stresses, from freeze/thaw cycles, adds additional shear stresses to the coating. Combined with the residual stresses found in coating systems premature failure can occur within several years.

Protective coating systems exhibiting high adhesive/tensile strengths are more desirable candidates for overcoating. However, it should be noted that consideration must be given to the condition of the existing protective coating. That is residual and cyclic stresses may be approaching the tensile strength of the system any way so that the addition of more stress may fail the system.

The condition of the existing protective coating system may be the most telling with regard to expected performance from overcoating. Old coatings systems may be failing due to their age. This is typically observable as cracks in the coating, delamination, lifting, etc. Weather the data generated from adhesion test and DFT surveys is within parameters for overcoating a failing system cannot provide a good base for additional coats of paint.

Another factor directly affecting the success of overcoating candidates is the presence of mill scale on the substrate. Mill scale if tightly adherent may provide for adequate adhesion between the primer and substrate. If the mill scale is not tightly adherent then premature coating failures are most likely. Although cases exist where tightly adherent mill scale have proven to be a suitable anchorage's for primers the probability of premature failure increases. This is especially true if the DFT of the existing coating system is high.

Cost Estimate-

- To completely repaint the exterior and install a new interior tank lining the cost per square foot will range between $17.00 to $22.00. At this time I do not see a reason to completely repaint interior dry areas of the tank. On these surfaces a spot repair and overcoat strategy is sufficient. This strategy is covered in the square foot cost presented above.

- To modify and install new safety appurtenances the cost estimate is $30,000.00.

- Pit filling of corrosion pits deeper than 40% of the base metal thickness in the wet areas of the tank estimate 100 pits at $50 per pit or $5,000.

- Repair of linear welds in wet area of tank 50 LF at $100 per foot or $5,000.

TABLE I

TANK EXTERIOR CONDITION

Component	Excellent	Good	Fair	Poor	None
Exterior Surfaces (Below Roof)					
▪ Condition of Paint				X	
▪ Anchor Bolts		X			
▪ Indications of Leakage					X
▪ Ladder					X
▪ Ladder Cage					X
▪ Metal Condition		X			
▪ Condition of Overflow		X			
▪ Condition of Overflow Screens		X			
▪ Overflow Pipe Air Gap					X
▪ Fall Prevention Device					X
Exterior Roof					
▪ Safety Platforms & Railing					X
▪ Paint Condition				X	
▪ Condition of Vent & Screen		X			
▪ Condition of Roof Hatch(s)		X			
Miscellaneous					
▪ Concrete		X			
▪ Moisture Barrier					X

TABLE II

TANK INTERIOR CONDITION

Component	Excellent	Good	Fair	Poor	None
Interior Wet Areas					
▪ Condition of Paint				X	
▪ Corrosion Damage				X	
▪ Indications of Leakage					X
▪ Ladder			X		
▪ Condition of Overflow		X			
Interior Roof Area (In vapor zone)					
▪ Paint Condition				X	
▪ Corrosion Damage				X	
Miscellaneous					
▪ Shell Hatches					X
▪ Cathodic Protection System					X
▪ Aeration System					X
▪ Sediment*			X		
▪ Tank Cleanliness			X		
▪ **Tank Seams (Welded Steel)**			X		

TABLE III

PROTECTIVE COATING REPAIR CANDIDATES

COATING ATTRIBUTE	LIKELY CANDIDATE	POSSIBLE CANDIDATE	UNLIKELY CANDIDATE
CORROSION (SSPC Vis 2/ASTM D 610)	< 10%	10-17%	> 17%
KNIFE ADHESION (ASTM D 3359)	> 2A OR 2B	1A OR 1B	0A OR 0B
TENSILE ADHESION (ASTM D 4541)	> 400 psi	300-400 psi	< 300 psi
THICKNESS (DFT)	< 20 mils	20-30 mils	> 30 mils

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH
DRINKING WATER SECTION

10 YEAR ATMOSPHERIC STORAGE TANK INSPECTION GUIDELINES

Effective Date: June 29, 2009

Authority: Section 19-13-B102(f)(5)(C) of the Regulations of Connecticut State Agencies (RCSA) requires that all atmospheric finished water storage tanks, basins and clearwells be inspected at a minimum of once every ten years for sanitary conditions and structural integrity. The inspection report shall be retained for reference and submitted to the department upon request.

Purpose: This document is intended to clarify the requirements of the Regulations of Connecticut State Agencies (RCSA) Section 19-13-B102 (f)(5)(C) related to the required and recommended components of 10 year atmospheric finished water storage tank inspections.

Applicable Regulation: RCSA Section 19-13-B102(f)(5)(C).

Definitions: "Atmospheric finished water storage tanks, basins and clearwells" include all finished water storage facilities of any volume or material that are not pressurized. The term "tank" will be used for the remainder of this document and includes all finished water atmospheric storage facilities.

Guidelines: The Drinking Water Section (DWS) expects all inspections to minimally incorporate the elements outlined in the following section to assess "sanitary conditions and structural integrity":

- A qualified inspector should conduct the inspection (refer to Qualifications on last page).
- A detailed inspection of all overflows, vents, fill pipes, drain lines, and hatches must be conducted to ensure that the tank is protected from contamination in accordance with RCSA Section 19-13-B102(f)(5)(A). An investigation of any other appurtenances associated with the tank must be performed to ensure that the entrance of contaminants is not possible. This includes, but is not limited to, cathodic access plates, cell phone towers mounted on tanks, level probe/sensor wiring, site tubes, etc. The most critical components of a tank inspection are a thorough investigation of the tank vent(s), overflows, and roof hatches regardless of their inaccessibility.
- The exterior of the tank should be inspected for corrosion, cracks, holes, deterioration of paint/exterior coating, pitting, spalling, etc., that may create the potential for contamination per RCSA Section 19-13-B102(f)(5)(A) or loss of structural integrity of the tank.
- The interior of the tank should be inspected for corrosion, cracks, holes, pitting, spalling etc. that may create the potential for contamination per RCSA Section 19-13-B102(f)(5)(A) or loss of structural integrity of the tank. The interior coating of the tank should be analyzed by a qualified individual to determine its condition and estimated useful life. This analysis should include measurements of the depth and rate of corrosion of steel tanks. The sediment in the tank should be evaluated, and removed, as necessary. Under normal conditions, the tank should be emptied for this portion of the inspection. If the water system is incapable of taking the tank off line, a diver or ROV (remote operated vehicle) may be used, provided that adequate sanitary procedures are in place to prevent contamination. In which case, the quality and quantity of water to the system should be maintained during the tank inspection.
- The controls, probes, alarms, sensors, etc. associated with a tank should be inspected and tested to ensure proper, reliable operation.

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- For steel tanks on concrete foundations, an inspection of the juncture between the tank and base should be performed to ensure structural integrity. A check for excessive and/or differential foundation settlement should be performed.

- An inspection of the seams on concrete tanks should be performed to ensure structural integrity.

- An assessment of the appropriateness of the volume and detention time of the tank should be performed. A tank that is too large may cause stagnant water and/or loss of chlorine residual. Accumulated sediment may consume some or all of the available free chlorine and promote bacteria growth. An analysis of flow through the tank (turnover) should be performed, including assessments of any baffles, mechanical mixing systems, or separate inlet/outlets. If none exist, an evaluation should be conducted to determine if such an installation would be beneficial. The DWS has created Storage Tank Design And Construction Guidelines that may aid in this analysis. The document is available at: http://ct.gov/dph/.

- An analysis of the water quality should be conducted as part of the tank inspection, including test results for total coliform bacteria, total and free chlorine residual, physical parameters, and volatile organic chemicals collected from or near the tank.

- The tank inspection must include verification that the tank is at least fifty (50) feet from any part of the nearest subsurface sewage disposal system and twenty-five (25) feet from the nearest watercourse or storm drain or other source of pollution, in accordance with RCSA Section 19-13-B102(f)(5)(B). Tanks must be at least fifty (50) feet from the nearest sanitary sewer unless the sewer is constructed in accordance with the technical standards for subsurface sewage disposal systems pursuant to section 19-13-B103d of the RCSA, in which case it may be no closer than twenty-five (25) feet.

- An assessment of any cathodic protection systems, if they are installed, should be performed by an inspector who has experience with their installation and maintenance. Acceptable certifications include NACE International's Cathodic Protection certifications (CP1, CP2, CP3, and CP4) or equivalent.

- The tank inspection must include an evaluation of the valves associated with the tank in accordance with RCSA Section 19-13-B102(q). All valves associated with the tank must be regularly exercised to ensure proper operation.

- An assessment of the tank's vulnerability to tampering, vandalism, terrorism and other security issues should be performed. This information should be kept secure and need not be provided to the DWS. Any deficiencies should be addressed. Water systems should regularly assess ways to make security improvements at or around the tank, including fencing, surveillance, and patrolling. This also includes an assessment of tank ladders and access to hatches, vents, etc.

- In accordance with RCSA Section 19-13-B102(r), the tank inspection should include an assessment of the operations and maintenance necessary to ensure continued sanitary conditions and structural integrity, including: necessary repairs, who will perform the repairs, a timetable for the repairs, and a schedule of the routine maintenance.

- Subsequent to emptying the tank and performing an inspection, RCSA Section 19-13-B47 requires that the tank be effectively disinfected. The disinfection should be in accordance with the latest revision of AWWA C-652 – Disinfection of Water Storage Facilities. This document also contains information on

the disinfection procedure for inspecting a full tank.

- In accordance with RCSA Section 19-13-B102(f)(5)(C), an inspection report must be completed. The report should include a detailed description of the inspection process, the findings, actions that were taken as a result of the inspection, and photographs and/or video. The report should also include a completed checklist that includes a signed acknowledgement of the certification. If the inspection finds that the tank has deficiencies related to sanitary conditions or structural integrity, a plan of correction that includes a timetable for repairs of the deficiencies should be included. The DWS may request this report after completion of the inspection, and it is standard practice to review this document as part of the routine sanitary survey. It is advisable to submit the report and plan of correction to the DWS any time deficiencies are found. Please note that RCSA Section 19-13-B102(d)(2) requires DWS approval before making changes of "sanitary significance". This would include replacement of, or significant modifications to, the inspected tank.

Qualifications
The term "qualified" inspector/individual, as used above, includes some or all of the following:
American Petroleum Institute (API) API 653 Certified Tank Inspector;
NACE International Certified Coating Inspector;
A Professional Engineer that has documented experience with atmospheric tank, clearwell and basin inspections; and/or,
A Certified Operator that has documented experience inspecting atmospheric tanks, clearwells and basins.

Safety
Individuals entering tanks or any other confined space should be compliant with guidelines of the Occupational Safety & Health Administration (29 CFR - 1910.146). OSHA, in the Dec. 1, 1998 revision to their regulations, defines a confined space as a space that:
(1) Is large enough and so configured that an employee can bodily enter and perform assigned work; and
(2) Has limited or restricted means for entry or exit (for example, tanks, vessels, silos, storage bins, hoppers, vaults, and pits are spaces that may have limited means of entry.); and,
(3) Is not designed for continuous employee occupancy.

The OSHA website should be reviewed for the most recent definitions of confined spaces and associated precautions.

Inspection Frequency
Although required only once every ten years by regulation, it is strongly recommended that all atmospheric storage tanks, clearwells and basins be inspected at least once every 3-5 years. It is also strongly recommended that all storage tanks (hydropneumatic, etc.) be inspected on a 3-5 year frequency. A routine check of the vents, vent screens, overflow screens, hatches, and drain line screens should be conducted at least quarterly.

Useful References and Links
American Water Works Association Manual of Water Supply Practices – Steel Water-Storage Tanks (AWWA M42). Chapter 9 and Appendix C (formerly AWWA D101-53 (R1986)) provide recommendations for the inspection of steel tanks.

http://www.awwa.org/
http://www.nace.org/nace/index.asp
http://10statesstandards.com/waterstandards.html
http://api-ep.api.org/certifications/
http://www.osha.gov/Publications/osha3138.html

2019
Fleet Management

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Utility Commission

Inter-Office Correspondence

To: Dan Steward – First Selectman
Gail Miller – Finance Dept.

From: Neftali Soto, PE - Chief Engineer Utility Commission

Date: October 27, 2017

Re: **2019-23 Fleet Management Plan (FMP)-WUC**

Dear Mr. Steward & Ms. Miller,

As requested on your memo Sept. 11, 2017 – Fleet Management Guidelines for FY 2019- 2023, the following is submitted for your consideration:

The FY 2019 - FY 2023 Fleet Management Plan identifies the following vehicles scheduled to be replaced during FY 2019:

- **C2 (50 WFD)** WUC SUV-DPW / 2011 -- Ford-Expedition XLT - This vehicle is in excellent conditions with only 21,843 miles. There is no need to replace this vehicle at this time. Considering the conditions and the mileage of this vehicle, it is recommended that replacement be re-scheduled to 2021. At such time, a new evaluation will be made to consider if such replacement could be extended for future years.

Regarding transportation and logistics needs for the Utility Commission, due to the fact that our wastewater electrician conducts maintenance and improvements work, mostly by himself, the ability to have his own assigned and equipped vehicle will greatly improve the efficiency of the vast and significant work being and to be done. It is noted that the 2019 FMP schedules for the replacement of utility units W-26 and W-46 currently assigned to the Quaker Hill and Oswegatchie fire services, respectively. Although these units might not meet the critical needs of the fire services, according to the town mechanics, these units appear to have the usefulness that would meet the needs of the utility commission. To that goal, it is hereby respectfully requested from the fleet management committee to consider the transfer of one of these units, preferably W-26 to the Utility Commission to accommodate our needs. Obviously, this could be done on a "not to be replaced" approach. This "hand me down" transfer will significantly alleviate the transportation and logistics needs that we currently have, without the town having to increase the FMP budget and incur in additional expenditures.

Furthermore, for some time the Utility Commission has been considering and evaluating the benefits of having some construction equipment to conduct underground repairs to our sewers infrastructure, as well as some minor construction work needed. The advantage of having our own equipment and conduct repairs, and to some extend new construction, was recently demonstrated for the construction of the grit station at the landfill. With rented equipment our very own staff constructed the grit station at a cost of $120,000, as compared to the lowest price of $319,000 that we received during solicitations last year.

This equipment, which the Utility Commission intends to include in the FY21 FMP, will be utilized for mitigation of inflow and infiltration (I/I) and various new construction needs, such as the installation of odor control vents throughout the collection system. The construction of passive odor control vents will result in a significant reduction on the cost of chemicals currently used for such purpose. The type of equipment recommended to be acquired is: a backhoe or small excavator and a medium duty dump truck, at a cost of $95,000 and $172,000, respectively. Other (non-capital) minor, and necessary, equipment and tools associated with the intended use of the requested equipment will be acquired through our operating budget.

If there are any questions, please give me a call.

Respectfully Submitted for your consideration,

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TOWN OF WATERFORD
FLEET MANAGEMENT PLAN - DEPARTMENT UPDATE
FISCAL YEARS 2019 - 2023

															20		23		16		13		16
															$ 1.11	$	1.55	$	1.03	$	0.91	$	1.27
															$ 1,110,459	$	1,553,824	$	1,031,263	$	913,847	$	1,274,568
Asset ID No.	License Plate No.	Agency Code	Agency Name	Class Code	Repl. Cycle in Years	Class Description	Asset Model Year	In-Service Date	Gross Vehicle Cost	Manuf.	Model	Serial #	Mileage/ Use Hrs.	Repair Costs	2019		2020		2021		2022		2023
CAR 100	50WFD	31	WUC	9999	0	Do Not Replace	1984	02/08/13	Donated	Humvee	1 1/4-ton Utility Vehicle (Military Surplus)	000130		$0			$ -						
C1	53WFD	31	WUC	SUV-DPW	8	SUV	2017	08/30/17	$26,771	Ford	EXPLORER	1FM5K8B85HGC17124	1,195	$0									
C2	116WFD	31	WUC	SUV-DPW	8	SUV	2011	03/29/11	$27,198	Ford	EXPEDITION XLT 4x4	1FMJU1G51BEF25120	21,843	$1,555	~~$ 33,718~~				$ 35,000				
C3	122WFD	31	WUC	240SPC-DPW	20	20-YEAR SPECIALTY UNIT	2012	03/06/12	$115,979	International	7,500 SBA With HI-Vac Attach	1HTWNAZB4CJ115205	5,639	$12,469									
C3-A Mounted on C-3	N/A	31	WUC	VAC-Body	10	Vac-All Body	2012	03/06/12	$163,857	AQUATECH	HI VAC ATTACHMENT	Model B-10	N/A	N/A							$ 172,960		
C4	51WFD	31	WUC	5DMP-DPW	20	5 TON DUMP TRUCK	1991	01/02/91	$114,000	Ford	L-8000	1FDYR82A6MVA06368	17,158	$2,724			$ 162,090						
C4-A Mounted on C4	N/A	31	WUC	240SPC-DPW	20		2012	09/05/12	$128,697	CUES CCTV	SEWER INSPECTION SYSTEM	N/A	N/A	N/A									
PG1	144WFD	31	WUC	GEN-DPW	15	GENERATOR	1982	01/02/82	$19,125	ONAN	TRAILER	1013131	524	$293									
PG2	179WFD	31	WUC	GEN-DPW	15	GENERATOR	1991	01/02/91	$20,000	ONAN	TRAILER	16MG1067LD017031	278	$0									
PG3	332WFD	31	WUC	GEN-DPW	15	GENERATOR	2015	05/15/15	$60,895	CUMMINGS	C100D6R 100KW Portable Generator w/trlr	G140718616	40	$0									
PP1	145WFD	31	WUC	PMP-DPW	15	PUMP	1985	01/02/85	$21,250	GORMAN RUPP	PUMP TRAILER	774243	125	$947									
PP2	148WFD	31	WUC	PMP-DPW	15	PUMP	1990	01/02/90	$21,250	GORMAN RUPP	PUMP TRAILER	968976N	141	$308									
NEW ASSET		31	WUC	PMP-DPW	15	PUMP						In acquisition process	N/A	N/A									
T1	48WFD	31	WUC	PCK-DPW	14	PICK UP	2006	06/20/06	$35,665	Chevrolet	SILVERADO PICK-UP 2500	1GBHK24DX6E251727	114,944	$15,477			$ 62,890						
T2	49WFD	31	WUC	PCK-DPW	14	PICK UP	2011	07/27/11	$55,594	GMC	K-3500 SIERRA 4wd	1GD322CL8BF243396	50,979	$4,713									
T3	82WFD	31	WUC	PCK-DPW	14	PICK UP	2018	01/31/04	$54,843	Chevrolet	Silverado 3500HD	On Order PO 181189	On order	N/A									
T4	52WFD	31	WUC	PCK-DPW	14	PICK UP	2016	09/28/16	$53,749	Chevrolet	Silverado 3500 w/body & equipment	1GB3KYCG4GZ320205	14,693	$1,352									
T5	46WFD	31	WUC	PCK-DPW	14	PICK UP	2006	06/20/06	$20,939	Ford	F-150	1FTPX14546NB57564	7,917	$4,093			$ 45,230						

MOVED FROM 2019 to 2021

Utility Commission