

**TOWN OF WATERFORD
CAPITAL IMPROVEMENT PLAN
PROJECT CONSOLIDATION FORM-FY 2022-2026**

	DEPARTMENT/ AGENCY:	TOWN IT COMMITTEE						
DEPT PRIORITY	PROJECT NAME	FUNDING SOURCE	FISCAL YEAR 2021-2022	FISCAL YEAR 2022-2023	FISCAL YEAR 2023-2024	FISCAL YEAR 2024-2025	FISCAL YEAR 2025-2026	TOTAL
3	SWITCHES	3	22,500.00 ✓					22,500.00
4	PHONE SYSTEM (software/hardware upgrades)	3	16,000.00 ✓					16,000.00
1	FIBER UPGRADE (Town Hall, to PD/YS/EOC, Community Center, Library	3	14,000.00 ✓					14,000.00
2	UPS upgrades		12,500.00 ✓					
5	Cameras/Access security	3	110,000.00 ✓	77,000.00	95,000.00			282,000.00
	TOTALS		175,000.00	77,000.00	95,000.00	0.00		347,000.00

Current fiber in this area is "multi-mode" which allows about 100 meg speed, would increase to 10 gig speed.

INDEX TO FUNDING SOURCES.

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

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM**

DEPARTMENT/AGENCY

Waterford IT Committee

CONTACT PERSON

Brett Mahoney

PROJECT NAME

Fiber Upgrade

DEPARTMENT PRIORITY

1

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. This is the second year of this request, which would be installed this year. As the quote is three years old, a percentage has been added to ensure the request is adequate.

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	FY2022	FY2023	FY2024	FY2025	FY2026
1	Current Year Capital						
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR	14,000	14,000				
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	14,000	14,000	0	0	0	14,000



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:

11/9/2017

1

Initials_____

-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
-

11/9/2017

2

Initials _____

-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

11/9/2017

3

Initials _____

-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.

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM**

DEPARTMENT/AGENCY

Waterford IT Committee

CONTACT PERSON

Brett Mahoney

PROJECT NAME

UPS upgrades

DEPARTMENT PRIORITY

2

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

Numerous Uninterrupted Power Supplies (UPS) need to be changed. These are mounted UPS for the various data racks in buildings throughout town. Before the units are relaced, IT attempts to replace the batteries for cost savings, but there are too many that have failed or are end of life. Locations of UPS units - SMT3000 Units: (2) Town hall server room Basement. (1) Town Hall data room 2nd floor. SRT2200 Units: (1) Youth center, (1) Community center, (1) 2nd floor Town Hall switch closet, (1) EOC server rack.

2 PROJECT STATUS IF IN PROGRESS

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

Most town departments

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	FY2022	FY2023	FY2024	FY2025	FY2026
1	Current Year Capital		14,560				
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	14,560	0	0	0	0



Customer Name: TOWN OF WATERFORD
Quote No: 22580983
Quote Name: BUDGETARY ESTIMATE -
 Schneider Electric
Quotation Date: 11/17/2020

Sales Support Contact: Ed Howard
Sales Support Phone: 603-263-3512
Sales Support Email: ehoward@eplus.com
Account Executive: Steve Plante
Account Executive Phone: 781-615-1322
Account Executive Email: splante@eplus.com

Customer PO No:

Order No:

Expiration Date: 12/17/2020

Line No.	Part Number	MFG	Description/Line Notes	QTY	Unit Price	Ext. Price
001	SMT3000RM2UNC	SCHNEIDER	APC SMART UPS 3000VA LCD RM 2U 120V WITH NETWORK CARD	3	1,604.28	4,812.84
002	SRT2200RMXLA-NC	SCHNEIDER	APC SMART-UPS SRT 2200VA RM 120V NETWORK CARD	4	1,882.78	7,531.12

Schneider Electric

Sub-Total (USD) 12,343.96

Shipping:
Packing:

Sub Total (USD): 12,343.96
Tax (USD): TBD if Applicable
Shp&Hnd (USD): 0.00
Total (USD): 12,343.96

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Thank you for your inquiry. Recent US govt tariffs on certain imports are causing price increases for many IT products, with little or no notice, and beyond ePlus' control. As a result, this quote is subject to change without notice, even before the expiration date reflected above. Please confirm pricing prior to order placement. 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. Recognizing that the global pandemic has disrupted operations for many organizations, ePlus will ship products for delivery in accordance with customer's written ship-to instructions and products will be deemed delivered notwithstanding any failure of customer personnel to sign for receipt due to facility closing or otherwise.

Customer Acceptance

Signature: _____

Name: _____

Title: _____

Date: _____

Customer PO #: _____

Bill To

TOWN OF WATERFORD

15 ROPE FERRY ROAD

WATERFORD CT 06385

UNITED STATES

ED CRANE

Ship To

TOWN OF WATERFORD

UNITED STATES

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM**

DEPARTMENT/AGENCY

Waterford IT Committee

CONTACT PERSON

Brett Mahoney, IT Chair

PROJECT NAME

Switches

DEPARTMENT PRIORITY

3

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

General purpose switches that connect to end users, phones, and other user support switches. These are 48 port switches, we intend to purchase four of them. These are replacements for very old items that 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

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)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2020	FY2021	FY2022	FY2023	FY2024
1	Current Year Capital		26,000				
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	26,000	0	0	0



Customer Name: TOWN OF WATERFORD

Quote No: 22580980

Quote Name: BUDGETARY ESTIMATE -
Network Switches

Quotation Date: 11/17/2020

Sales Support Contact: Ed Howard

Sales Support Phone: 603-263-3512

Sales Support Email: ehoward@eplus.com

Account Executive: Steve Plante

Account Executive Phone: 781-615-1322

Account Executive Email: splante@eplus.com

Customer PO No:

Order No:

Expiration Date: 12/17/2020

Line No.	Part Number	MFG	Description/Line Notes	QTY	Unit Price	Ext. Price
001	C9200L-48P-4X-E	CISCO	CATALYST 9200L 48-PORT POE+, 4 X 10G, NETWORK ESSENTIALS	4	3,854.64	15,418.56
002	CON-PSUT-C9200L4X	CISCO	PRTNR SUP 8X5XNBD CATALYST 9200L 48-PORT POE+, 4 X 10G, NE	4	469.82	1,879.28
003	C9200L-NW-E-48	CISCO	C9200L NETWORK ESSENTIALS, 48-PORT LICENSE	4	0.00	0.00
004	CAB-TA-NA	CISCO	NORTH AMERICA AC TYPE A POWER CABLE	4	0.00	0.00
005	PWR-C5-BLANK	CISCO	CONFIG 5 POWER SUPPLY BLANK	4	0.00	0.00
006	C9200L-DNA-E-48	CISCO	C9200L CISCO DNA ESSENTIALS, 48-PORT TERM LICENSE	4	0.00	0.00
007	C9200L-DNA-E-48-3Y	CISCO	Line Note: *Required for all 9200 series switches C9200L CISCO DNA ESSENTIALS, 48-PORT, 3 YEAR TERM LICENSE	4	593.43	2,373.72
008	C9200L-STACK-KIT	CISCO	Line Note: Required minimum 36 MONTH SUPPORT CISCO CATALYST 9200L STACK MODULE	4	695.31	2,781.24
009	C9200-STACK	CISCO	CATALYST 9200 STACK MODULE	8	0.00	0.00
010	STACK-T4-50CM	CISCO	50CM TYPE 4 STACKING CABLE	4	0.00	0.00
011	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY CONNECT FOR ZERO-TOUCH DEVICE DEPLOYMENT	4	0.00	0.00
Network Switches				Sub-Total (USD):		22,452.80

Totals

Sub Total (USD):		22,452.80
Shipping:	Tax (USD):	TBD if Applicable
Packing:	Shp&Hnd (USD):	0.00
Total (USD):		22,452.80

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Products and/or Services located at www.ePlus.com govern. No additional or contrary terms in a purchase order shall apply, and ePlus' performance shall not be deemed acceptance of any preprinted PO terms. Use of software, subscription services or other products resold by ePlus is subject to manufacturer/publisher end user agreements or subscription terms. Any periodic payment obligations for specific offerings, along with customer-incurred overages, consumption fees, add-ons, quantity adjustments and automatic renewals are non-cancelable for any reason except by public sector customers required by law to terminate due to non-appropriation of funds.

Thank you for your inquiry. Recent US govt tariffs on certain imports are causing price increases for many IT products, with little or no notice, and beyond ePlus' control. As a result, this quote is subject to change without notice, even before the expiration date reflected above. Please confirm pricing prior to order placement. 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. Recognizing that the global pandemic has disrupted operations for many organizations, ePlus will ship products for delivery in accordance with customer's written ship-to instructions and products will be deemed delivered notwithstanding any failure of customer personnel to sign for receipt due to facility closing or otherwise.

Customer Acceptance Signature: _____ Name: _____ Title: _____ Date: _____ Customer PO #: _____	Bill To TOWN OF WATERFORD 15 ROPE FERRY ROAD WATERFORD CT 06385 UNITED STATES ED CRANE	Ship To TOWN OF WATERFORD 15 ROPE FERRY ROAD WATERFORD CT 06385 UNITED STATES ED CRANE
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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

4

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

The VOIP phone system is split between the Town and BOE - 2 servers BOE, one server town. The servers are all end of life this budget year, and need to be replaced to keep the hardware viable.

2 PROJECT STATUS IF IN PROGRESS

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

Board of Education

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	FY2022	FY2023	FY2024	FY2025	FY2026
1	Current Year Capital		16,250				
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	16,250	0	0	0	0

Customer Name: TOWN OF WATERFORD
Quote No: 22580979
Quote Name: BUDGETARY ESTIMATE -
 Phone server upgrade
Quotation Date: 11/17/2020

Sales Support Contact: Ed Howard
Sales Support Phone: 603-263-3512
Sales Support Email: ehoward@eplus.com
Account Executive: Steve Plante
Account Executive Phone: 781-615-1322
Account Executive Email: splante@eplus.com

Customer PO No:
Order No:
Expiration Date: 12/17/2020



Line No.	Part Number	MFG	Description/Line Notes	QTY	Unit Price	Ext. Price
001	BE6M-M5-K9	CISCO	CISCO BUSINESS EDITION 6000M (M5) APPLIANCE, EXPORT RESTR SW	1	5,321.14	5,321.14
002	CON-PSJ3-BE6MM5K9	CISCO	UCS SUPP PSS 24X7X4 CISCO BUSINESS EDITION 6000M (M5) APPLIA	1	499.18	499.18
003	BE6K-PSU	CISCO	CISCO UCS 770W AC POWER SUPPLY FOR RACK SERVER	1	0.00	0.00
004	BE6K-RAIDCTRLR	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE	1	0.00	0.00
005	BE6K-DISK	CISCO	300GB 12G SAS 10K RPM SFF HDD	6	0.00	0.00
006	R2XX-RAID5	CISCO	ENABLE RAID 5 SETTING	1	0.00	0.00
007	BE6K-RAM	CISCO	16GB DDR4-2666-MHZ RDIMM/PC4-21300/SINGLE RANKX4/1.2V	3	0.00	0.00
008	BE6K-CPU	CISCO	2.2 GHZ 4114/85W 10C/13.75MB CACHE/DDR4 2400MHZ	1	0.00	0.00
009	CAB-9K12A-NA	CISCO	POWER CORD, 125VAC 13A NEMA 5-15 PLUG, NORTH AMERICA	1	0.00	0.00
010	VMM-V56-HYPPLS-K9	CISCO	EMBEDDED LICENSE, CISCO UC VIRT. HYPERVISOR PLUS 6.X (2-CPU)	1	0.00	0.00
Phone server upgrade				<u>Sub-Total (USD)</u>		<u>5,820.32</u>
011	EPLUS PROFESSIONAL SERVICES	EPLUS	UC SERVER HW UPGRADE & APP MIGRATION	1	10,000.00	10,000.00
UC Server HW Upgrade & App Migration				<u>Sub-Total (USD)</u>		<u>10,000.00</u>

Totals

				<u>Sub-Total (USD)</u>		<u>15,820.32</u>
Shipping:				Sub Total (USD):		15,820.32
Packing:				Tax (USD):		TBD if Applicable
				Shp&Hnd (USD):		0.00
				Total (USD):		15,820.32

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for any reason except by public sector customers required by law to terminate due to non-appropriation of funds.

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Customer Acceptance

Signature: _____
 Name: _____
 Title: _____
 Date: _____
 Customer PO #: _____

Bill To

TOWN OF WATERFORD
 15 ROPE FERRY ROAD

 WATERFORD CT 06385
 UNITED STATES
 ED CRANE

Ship To

TOWN OF WATERFORD
 15 ROPE FERRY ROAD
 WATERFORD CT 06385
 UNITED STATES
 ED CRANE

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM**

DEPARTMENT/AGENCY

Waterford IT Committee

CONTACT PERSON

Brett Mahoney

PROJECT NAME

Camera/Access Security

DEPARTMENT PRIORITY

5

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

Cameras and access control systems work together, and help agencies plan during incidents. First Selectman, BOE, PW and EM Youth/Senior Services can monitor conditions for school cancelation, plow routes, etc. Emergency Services can monitor traffic and criminal items, and replay traffic crashes. EM can monitor storm damage, flooding and wires down live via phone, and videos can be saved for potential litigation issues. The plan is for a multi-year buildout of camera and access sites, all using Milestone and S2 software already purchased through the Public Works building project. Four quotes included - Town Hall cameras Town Hall access, and Eugene O'Neill mansion cameras and wiring.

2 PROJECT STATUS IF IN PROGRESS

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

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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



Quote by Stephanie Seymour

O: 203-287-1306 C: 203-974-9070

To: Chief Brett Mahoney
Waterford Police Department
Town of Waterford
bmahoney@waterfordct.org

Quote # 2011-36

Date: 11/20/2020

Expires: 12/20/2020

**Project Video Coverage Town Hall
Town of Waterford**

Qty.	Description	Part Number	Each	Extended
I. MILESTONE SOFTWARE:				
24	XProtect Pro+ Device Device Licenses	XPPPLUSDL	\$131.82	\$3,163.68
24	One Year Care Plus Support SUP Device Licenses	YXPPPIUSDL	\$24.18	\$580.32
II. CAMERAS -				
A. Exterior Cameras:				
1	Axis P3719-PLE Outdoor Fixed Dome Camera Multi-sensor IP Camera.	01500-001	\$1,517.43	\$1,517.43
1	Axis T91A64 Corner Bracket	5017-641	\$74.97	\$74.97
1	Axis T91D61 Camera Wall Mount Bracket	5504-821	\$79.72	\$79.72
1	Axis T94N01D Pendant Kit w/	01513-001	\$84.46	\$84.46
2	Axis P1448-LE Outdoor Ready Network Bullet Camera with	01055-001	\$900.58	\$1,801.15
2	Axis P3375-LVE Outdoor Fixed Dome IP Camera	01063-001	\$948.03	\$1,896.05
B. Interior Camera:				
5	Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	01178-001	\$805.68	\$4,028.38
11	Axis M4206-V Fixed Dome Camera 2048x1536 (3MP)	1240-001	\$397.63	\$4,373.94
C. Street Cameras:				
3	Axis Q6125-LE Outdoor PTZ Camera 1920x1080, laser focus 30x optical zoom 12x digital zoom.	01234-004	\$3,898.70	\$11,696.10
3	Axis T94A01D PTZ Camera Pendant Kit	5505-081	\$46.80	\$140.40
3	Axis A91G61 Wall Mount Kit	5506-951	\$174.30	\$522.90
3	Axis T91B57 Axis Pole Mount Bracket for Camera	01470-001	\$156.00	\$468.00
3	Axis T8123 30 watt POE+ Power Supply for PTZ Camera	5030-234	\$298.80	\$896.40
3	Axis T98A57 Axis Surveillance Cabinet Kit Outdoor	5900-151	\$322.80	\$968.40
III. NETWORK:				
3	Cambium AC Power Photo Cell Adapters Kit	5871325H01	\$226.80	\$680.40
6	PTP450i Cambium 5 GHz Subscriber Modules	580210	\$635.54	\$3,813.26
6	PMP 30W, 56V Power Supply	581592	\$21.60	\$129.60
6	1' AC Line cord for PTP450	544082	\$4.32	\$25.92
6	Canopy Surge Suppressor	489338	\$30.24	\$181.44
6	Canopy Universal Mounting Bracket	427337	\$46.80	\$280.80
6	Tilt Bracket Assembly	590213	\$34.80	\$208.80
120	Wuperior Armored Cat 5e Outdoor Ethernet Cable	315167	\$1.14	\$136.80
4000	Cat6 Nework Cable		\$0.35	\$1,392.00
84	EX-RJ45 Cat6 Connectors	100010C	\$0.81	\$68.04
IV. SERVER:				
1	Windows Server 2019 STD, 1x Xeon 4210 2.2GHz 10 C CPU, 16GB RAM, 2x 480GB SSD OS R1. 4x 300GB 15K 8TB SATA R5 (RAW) Archive, 2x 1Gb NIC, KB/M, 2x 750W PS, Rails, 3 YR Dell Warranty.	D54M30TB2R-1610	\$8,562.50	\$8,562.50
V. INSTALLATIONS COSTS:				
1	YR Warranty		\$2,200.00	\$2,200.00
1	Misc. Parts		\$1,000.00	\$1,000.00
1	Project Management and Engineering		\$1,200.00	\$1,200.00
1	Installation of Equipment, Setup of Cameras, Camera Views and Milestone Set-up.	Install	\$16,000.00	\$16,000.00
Cost of Equipment and Labor:				\$68,171.85
Customer to provide:				
1. Traffic Officer.				
2. Network Connectivity				
3. Routing done by IT Department				
4. Supply A/C Power Poles Continuous				
5. Agreement w/ power company to use Light Pole on street				
6. IT Hardware Equipment				



Quote by Stephanie Seymour

O: 203-287-1306 C: 203-974-9070

To: Chief Brett Mahoney

Waterford Police Department

860-442-9451

bmahoney@waterfordct.org

Quote # 2007-35

Date: 7/15/2020

Expires: 8/15/2020

Waterford Beach Park

Qty.	Description	Part Number	Each	Extended
I. MANSION:				
2	XProtect Pro+ Device Device Licenses	XPPPLUSDL	\$122.00	\$244.00
2	One Year Care Plus Support SUP Device Licenses	YXPPPIUSDL	\$22.35	\$44.70
2	Axis Q6125-LE PTZ Network Camera	01234-004	\$2,846.05	\$5,692.10
2	Axis T94N01D Pendant Mount for Camera	5505-871	\$84.46	\$168.92
2	Axis Midspan T8154 60 Watt	5901-004	\$188.81	\$377.62
600	Cat6 Plenum Cabling	849231	\$0.35	\$208.80
1	Misc. Equipment	Local	\$100.00	\$100.00
4	EX-RJ45 Cat6 Connectors	100010C	\$0.72	\$2.88
1	Installation of Equipment - conduit down side of building.		\$3,120.00	\$3,120.00
I. Sub-total Mansion:				\$9,959.03
II. POLE at Pavilion:				
2	XProtect Pro+ Device Device Licenses	XPPPLUSDL	\$122.00	\$244.00
2	One Year Care Plus Support SUP Device Licenses	YXPPPIUSDL	\$22.35	\$44.70
2	Axis P1448-LE Outdoor Ready Network Bullet Camera	01055-001	\$900.60	\$1,801.20
2	Axis T91B47 Pole Mount	01165-001	\$71.18	\$142.35
50	Cat6 Plenum Cabling	849231	\$0.35	\$17.40
4	EX-RJ45 Cat6 Connectors	100010C	\$0.72	\$2.88
1	Axis T98A15-VE Surveillance Outdoor Cabinet	S900-151	\$235.64	\$235.64
1	Axis T91A57 Pole Mount Bracket Outdoor Cabinet	5507-341	\$100.74	\$100.74
1	DIN Rails	SDR R	\$12.00	\$12.00
1	DDIN-Rail Power Supply	SDR-120-48	\$61.14	\$61.14
1	TRENDnet 6-port Hardened Unmanaged Gigbit	TI-PG62	\$228.08	\$228.08
1	Misc. Equipment	Local	\$100.00	\$100.00
1	Milestone Set-up of software and camera views.		\$125.00	\$125.00
1	Installation of Equipment		\$2,080.00	\$2,080.00
II. Sub-total Pole:				\$5,195.14
III. STAGE:				
2	XProtect Pro+ Device Device Licenses	XPPPLUSDL	\$122.00	\$244.00
2	One Year Care Plus Support SUP Device Licenses	YXPPPIUSDL	\$22.35	\$44.70
2	Axis P1448-LE Outdoor Ready Network Bullet Camera	01055-001	\$900.60	\$1,801.20
2	Axis T91B47 Pole Mount	01165-001	\$71.18	\$142.35
50	Cat6 Plenum Cabling	849231	\$0.35	\$17.40
4	EX-RJ45 Cat6 Connectors	100010C	\$0.72	\$2.88
1	Axis T98A15-VE Surveillance Outdoor Cabinet	S900-151	\$235.64	\$235.64
1	Axis T91A57 Pole Mount Bracket Outdoor Cabinet	5507-341	\$100.74	\$100.74
Continue on Next Page				

Waterford Beach Park

Qty.	Description	Part Number	Each	Extended
1	DIN Rails	SDR R	\$12.00	\$12.00
1	DDIN-Rail Power Supply	SDR-120-48	\$61.14	\$61.14
1	TRENDnet 6-port Hardened Unmanaged Gigbit	TI-PG62	\$228.08	\$228.08
1	Misc. Equipment	Local	\$100.00	\$100.00
1	Milestone Set-up of software and camera views.		\$125.00	\$125.00
1	Installation of Equipment		\$2,080.00	\$2,080.00
III. Sub-total Stage:				\$5,195.14
VI. PARKING LOT:				
4	XProtect Pro+ Device Device Licenses	XPPPLUSDL	\$122.00	\$488.00
4	One Year Care Plus Support SUP Device Licenses	YXPPPIUSDL	\$22.35	\$89.40
4	Axis P1448-LE Outdoor Ready Network Bullet Camera	01055-001	\$900.60	\$3,602.40
4	Axis T91B47 Pole Mount	01165-001	\$71.18	\$284.70
100	Cat6 Plenum Cabling	849231	\$0.35	\$34.80
8	EX-RJ45 Cat6 Connectors	100010C	\$0.72	\$5.76
2	Axis T98A15-VE Surveillance Outdoor Cabinet	S900-151	\$235.64	\$471.29
2	Axis T91A57 Pole Mount Bracket Outdoor Cabinet	5507-341	\$100.74	\$201.48
2	DIN Rails	SDR R	\$12.00	\$24.00
2	DDIN-Rail Power Supply	SDR-120-48	\$61.14	\$122.28
2	TRENDnet 6-port Hardened Unmanaged Gigbit	TI-PG62	\$228.08	\$456.17
1	Misc. Equipment	Local	\$100.00	\$100.00
1	Milestone Set-up of software and camera views.		\$125.00	\$125.00
1	Installation of Equipment		\$3,000.00	\$3,000.00
IV. Sub-total Parking Lot:				\$9,005.28
V. RESTROOM:				
1	XProtect Pro+ Device Device Licenses	XPPPLUSDL	\$122.00	\$122.00
1	One Year Care Plus Support SUP Device Licenses	YXPPPIUSDL	\$22.35	\$22.35
1	Axis P1448-LE Outdoor Ready Network Bullet Camera	01055-001	\$900.60	\$900.60
150	Cat6 Plenum Cabling	849231	\$0.35	\$52.20
2	EX-RJ45 Cat6 Connectors	100010C	\$0.72	\$1.44
1	Axis T98A15-VE Surveillance Outdoor Cabinet	S900-151	\$235.64	\$235.64
1	DIN Rails	SDR R	\$12.00	\$12.00
1	DDIN-Rail Power Supply	SDR-120-48	\$61.14	\$61.14
1	Misc. Equipment	Local	\$100.00	\$100.00
1	Milestone Set-up of software and camera views.		\$125.00	\$125.00
1	Installation of Equipment		\$1,680.00	\$1,680.00
V. Sub-total Restroom:				\$3,312.38
VI. BEACH SHACK:				
1	XProtect Pro+ Device Device Licenses	XPPPLUSDL	\$122.00	\$122.00
1	One Year Care Plus Support SUP Device Licenses	YXPPPIUSDL	\$22.35	\$22.35
1	Axis P3719-PLD Fixed Dome Camera	01500-001	\$1,517.45	\$1,517.45
1	Axis T91B67 Pole Mount	01473-001	\$90.16	\$90.16
Continue on Next Page				



Waterford Beach Park

Qty.	Description	Part Number	Each	Extended
30	Cat6 Plenum Cabling	849231	\$0.35	\$10.44
2	EX-RJ45 Cat6 Connectors	100010C	\$0.72	\$1.44
2	DB365W	29248	\$74.77	\$149.54
1	3" x 10' Antenna Mast	581979	\$253.20	\$253.20
1	Milestone Set-up of software and camera views.		\$125.00	\$125.00
1	Installation of Equipment		\$1,680.00	\$1,680.00
VI. Sub-total Beach Shack:				\$3,971.58
VII. SERVER:				
1	Dell Windows Server 2019 STD 4208 x.1GHZ 8C CPU 16GB ECC RAM PERC H730P RAID controller, 2x 480GB SSD R1 OS 4x 600GB 15K SAS R10 LIVE, 2x 10TB SATA R5 Archive, 2x GbE NIC, Archive, 2x GbE NIC, 2x 750W PS, Keyboard/Mouse 3YR Dell Hardware Warranty.	D54M30TB2R-168	\$7,995.60	\$7,995.60
Sub-total Server:				\$7,995.60
I. Sub-total Mansion:				\$9,959.03
II. Sub-total Pole:				\$5,195.14
III. Sub-total Stage:				\$5,195.14
IV. Sub-total Parking Lot:				\$9,005.28
V. Sub-total Restroom:				\$3,312.38
VI. Sub-total Beach Shack:				\$3,971.58
Total Cost of Equipment and Labor:				\$44,634.14

Customer to Supply:

1. Supply and install poles w/ power to box at designated location.
2. Supply Fiber/Network Connectivity to light poles and /or camera poles.
3. Supply Fiber/Network Connectivity at Mansion, stage area, Beach Parking lot, Beach Restroom and Beach Shack.
4. Supply A/C Power to locations.
5. Town supply conduit from Tree to Restroom.
6. Supplying routing information.

Thank you



D/E/F Services Group, Ltd

1171 Voluntown Rd., Griswold, CT 06351

(860) 376 – 4896, Fax (860) 376 – 1213

(AA/EOE)

“The Value of One”

August 25, 2020

Low Voltage

SUBJECT: Waterford Beach Fiber Project

D/E/F Services Group, Ltd is proud to present the following proposal to the Town Of Waterford to supply labor and material to install single mode fiber and Cat 6 cable to the Waterford Beach for to be used for a camera system.

Project Scope

- D/E/F will install a 6 strand fiber from the barn to the Attic in the Mansion that will make use of newly installed ¼” strand mounted on poles.
- D/E/F will provide a bucket truck for the installation of the pole hardware.
- Terminations will be LC fusion spliced connections.
- Each of the above locations will make use of stanchions that will be used to mount Hubbell NEMA boxes used to contain Switches (provided by others). All boxes to be properly grounded.
- All poles will be mounted on bases. These pole bases and associated conduit runs are provided by others.
- Cat 6 cable will be runs will be added to the front corners of the mansion to be used for future cameras.
- All drops will be:
 - Run using Cat 6 Plenum rated cables
 - Supported every 4-6 feet where necessary
 - Make use of proper penetrations where necessary
 - Certified with test reports available upon request

Total Price:

\$7,445.00

Statement of Clarifications and Exclusions:

- 120 Volt power is **excluded**
- Bid Bond, Performance and Payment Bonds are **excluded**
- Installation of additional grounding methods/means is **excluded**
- Any and all utility fees and/or usage charges for power is **excluded**
- Dumpster, trash / debris removal from site is **excluded**
- Saw-cut slab and Patch to Match is **excluded**
- Any and all site work outside of scope is **excluded**
- Overtime / additional time caused by delays due to other trades or schedule acceleration is **excluded**
- Additional work requested by customer will be performed on a **Time & Material** basis with labor at current service rate (\$85.00/hour) and material at cost plus 20% with all applicable taxes and fees.
- This proposal is contingent upon a complete scope review between the authorized personnel and D/E/F Services to ensure over-all project intent.

Commercial Clarifications:

1. For projects with an estimated completion time of **forty-five (45) days or less**, a down payment of 1/3 of the contract total is due upon contract signing. Another payment of 1/3 of the contract total is due upon completion of rough-in inspection. The remainder of the contract is to be paid out upon completion of work.
2. For projects with an estimated completion time **over forty-five (45) days**, project billing will be monthly or as a project section or unit is completed and payment is required no more than **net thirty (30) days**.
3. Paid when paid will not be an acceptable contract option.

4. Retention will not be more than 30 days / 90 days upon project substantial completion @ 7.5%
5. This proposal is valid for a period of thirty (30) days.
6. State of Connecticut sales tax is **excluded** in this proposal
7. Fee for required permits has been **excluded**
8. All work to be performed 7:00 AM to 3:30 PM Monday through Friday, excluding holidays and overtime.

Warrants:

All work is warranted for a period of one year from substantial completion.

Schedule:

D/E/F Services Group could be on site and prepared to start installation within (15) days after receipt of a purchase order or notice to proceed.

If you have any questions regarding this proposal, please do not hesitate to call us.

Please sign and return this proposal (below) if this proposal is acceptable and you would like begin coordination to proceed.

Regards,

David Hatch
Low Voltage Project Manager
DHatch@DEFWiring.com
Direct # (860) 213-0081

D/E/F SERVICES GROUP:

By: _____

Name: _____

Title: _____

Date: _____

CUSTOMER:

By: _____

Name: _____

Title: _____

Date: _____

Purchase
order: _____

To initiate order please

1. Fax back to 860.376-1213, or
2. Email copy to dhtach@defwiring.com



Quoted by Stephanie D. Seymour

920 SHERMAN AVENUE HAMDEN, CT 06514

(203) 287-1306 FAX (203)248-9167

ATTN: Dave Garside
Municipal Facilities Manager
Town of Waterford
860-235-9783
dgarside@waterfordct.org

QUOTE # 2007-30

Rev 1

11/16/2020

Expires:
12/16/2020

Waterford S2 Access Control - Budge Estimate Town Hall

QTY.	DESCRIPTION	PER UNIT	EXTENDED
1	S2-SL2 Expansion 16 Portal to 32 Portal for existing system.	\$1,677.00	\$1,677.00
2	S2-NN-E2R-WM S2 Network Node wall mount with 1 ACM blade	\$2,015.00	\$4,030.00
1	S2-ACM Access Control Blades - 2 doors per blade. 1 - front double, 2 First Selectman's exterior door, 3 existing back parking lot HID reader door, 4 double door adjacent to reader needs door "schedule" not reader, 5 roof door and 6 Auditorium.	\$577.20	\$577.20
4	RP15 HID Access Reader Proximity Multiclass 1 - Front double door, 2 = First Selectman's Exterior, 3 = roof access and 4 Auditorium.	\$198.65	\$794.61
2	HES 5000C ASSA Abloy Electric Strike - 1st Selectman's exterior and roof access.	\$128.70	\$257.40
1	M56AF Motor Assembly Sargeant 80 Series push bars needed for the Auditorium Door.	\$623.86	\$623.86
2	HES 9500-630 ASSA Abloy Surface Mount Door Hardware - Front double door - both sides.	\$334.88	\$669.76
6	AMS-39B Potter Standard Surface Mount Contact	\$13.00	\$78.00
100	849231 General cable CAT6 Plenum	\$0.35	\$35.00
600	4342T Control Cable	\$1.25	\$748.80
3	AX-600ULPD8 Power Supply	\$296.40	\$889.20
5	UA12V6A Altronix 12 VDC 7Ah battery for battery back up	\$27.30	\$136.50
1	Misc Equipment	\$100.00	\$100.00
1	Project Managerment	\$500.00	\$500.00
1	Install S2 equipment, pull cable, add electric door locks and HID access readers.	\$5,280.00	\$5,280.00
Cost of S2 Access System:			\$16,397.33
THANK YOU			

****Note**

1. Customer must supply Networking to S2 Controller
2. Customer must complete Network routing.