



**CONSTRUCTION ESTIMATE**

**TO:** Town of Colchester  
 127 Norwich Ave  
 Colchester, CT 06415  
 Attention: Ryan DeLMastro

**DATE:** 3/5/2024

**REF:** REV1 - Town Hall - Senior Center Fiber Optic Cable Connection

**PREPARED BY:** Shawn Harmon

CODE	DESCRIPTION	PART NUMBER	UM	QTY	UNIT	EXTENSION
<b>Installation of 1EA - 1.25" SDR 13.5 Direct-Bury Innerduct, 24X36 Handhole            12 Strand Singlemode Fiber Optic Cable            Town Hall IT Room to Senior Center Utility Area            Pricing does not include electronics, to be provided by Novus Insight</b>						<i>Prevailing Wage: NO</i>
103	Underground Fiber Design - Up to 1,000 ft	E-3	LF	1	\$ 2,960.00	\$ 2,960.00
402	Project Manager	L-2	HR	8	\$ 159.00	\$ 1,272.00
301	Trench, Place, & Backfill HDPE Conduit (<1.5")	U-1	LF	120	\$ 26.00	\$ 3,120.00
302	4" Loam & Seed	U-2	SY	50	\$ 8.90	\$ 445.00
303	Remove & Replace Asphalt	U-3	SF-IN	360	\$ 3.58	\$ 1,288.80
305	Install 24" x 36" Polymer Concrete HH w/ Tier15 Cover	U-5	EA	2	\$ 1,670.00	\$ 3,340.00
307	Processed Gravel Fill	U-7	CY	10	\$ 69.00	\$ 690.00
315	Building Core	U-14	EA	1	\$ 650.00	\$ 650.00
203	Underground Installation in Existing Conduit	C-3	LF	600	\$ 1.50	\$ 900.00
205	Indoor Cable / Innerduct Placement	C-5	LF	150	\$ 4.75	\$ 712.50
206	Rod & Rope Existing Conduit	C-6	LF	600	\$ 2.30	\$ 1,380.00
209	Install Patch Panel	C-9	EA	2	\$ 280.00	\$ 560.00
210	Fusion Splice Fiber	C-10	EA	24	\$ 17.50	\$ 420.00
211	Testing	C-11	Fiber	12	\$ 27.00	\$ 324.00
417	2 Man Underground Crew with Tools and Equipment ( Labor to Install 2" Schedule 80 PVC Conduit in Parking Lot area - <b>Installed at 4" Depth</b> to be completed before contractor backfills to grade the parking lot of the Senior Center )	L-17	HR	12	\$ 280.00	\$ 3,360.00
1001	ALTOS® Loose Tube, Gel-Free Cable, 12 F, Single-mode (OS2)	012EU4-T4701D20	LF	750	\$ 0.41	\$ 305.01
6001	Closet Connector Housing (CCH), 1 rack unit, accepts up to 2 CCH panels, cassettes or modules; comes with blank panels and hardware to strain-relieve cables internally or externally	CCH-01U	EA	2	\$ 264.83	\$ 529.66
8002	Closet Connector Housing (CCH) Pigtail Cassette, loaded with CCH panel and factory-terminated pigtails, 12 F, LC Duplex, SM/UPC, single fiber splicing	CCH-CS12-A9-P00RE	EA	2	\$ 498.60	\$ 997.20
8005	Splice Protection, Heat-Shrink Fusion Splice Protectors, 60 mm long, package of 50	2806031-01	EA	1	\$ 75.64	\$ 75.64
9014	24" x 36" Polymer Concrete HH w/ Tier 15 Cover	24X36 HH POLY	EA	2	\$ 1,500.00	\$ 3,000.00
9011	2" RGS Riser	RGS	EA	1	\$ 200.00	\$ 200.00
	<b>2" Schedule 80 PVC Conduit &amp; Fittings</b>	MAT	LF	600	\$ 5.00	\$ 3,000.00
<b>NOTE:</b> Pricing does not include any permits if required by the Town/Public Works.						
<b>TOTAL ENGINEERING &amp; CONSTRUCTION</b>						<b>\$ 29,529.82</b>
	1% CRCOG Administration Fee	CRCOG FEE	LS	1	\$ 295.30	\$ 295.30
<b>TOTAL PROJECT</b>						<b>\$ 29,825.12</b>