

Work Order Signature Document

Contract No.: RH-23-034 Region 1-6 - GC - FH Paschen

New Work Order **Modify an Existing Work Order**

Work Order Number: 1003.00 Work Order Date: 07/02/2024

Work Order Title: Rochester Hills City Hall EV Charging Stations

Owner Name: _____ Contractor Name: F.H. Paschen MI

Contact: Mike Viazanko Contact: Brian Rozcicha

Phone: 248-841-2533 Phone: 773-444-3474

Work to be Performed

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of Contract No RH-23-034 Region 1-6 - GC - FH Paschen.

Brief Work Order Description:

Install city-purchased charging stations on wall at rear secured parking area. Sketches and specs provided by City. Power feed to come from nearby transformer. Coordination with Detroit Public Power on capacity to be verified. Meter, WP CT cabinet and gear to be mounted on wall as well. Permits will be required so contractor to produce and submit stamped plans for approval. No permit fees.

Time of Performance

Liquidated Damages Will apply: Will not apply:

Work Order Firm Fixed Price: \$57,096.96

Owner Purchase Order Number:

Approvals

Owner Date

Contractor Date

Detailed Scope of Work

To: Brian Rozcicha
F.H. Paschen MI
5515 N. East River Road
Chicago, IL 60656
773-444-3474

From: Mike Viazanko
City of Rochester Hills
1000 Rochester Hills Dr.
Rochester Hills, MI 48309
248-841-2533

Date Printed: July 02, 2024

Work Order Number: 1003.00

Work Order Title: Rochester Hills City Hall EV Charging Stations

Brief Scope: Install city-purchased charging stations on wall at rear secured parking area. Sketches and specs provided by City. Power feed to come from nearby transformer. Coordination with Detroit Public Power on capacity to be verified. Meter, WP CT cabinet and gear to be mounted on wall as well. Permits will be required so contractor to produce and submit stamped plans for approval. No permit fees.

Preliminary

Revised

Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

City of Rochester Hills 1000 Rochester Hills Drive Rochester Hills 48309 Install (3) Owner Supplied EV Chargers Scope of Work: 1. Provide installation services for (3) Level 2 electric vehicle (EV) chargers. 2. Provide engineered approved and stamped drawings for electrical permit. 3. Coordinate with DTE to provide dedicated EV electrical service using existing utility transformer. 4. Coordinate with DTE to undermine secondary side of transformer and install (2) 4" PVC conduits. Run each conduit to 1000-amp CT cabinet to be mounted on existing wall. 5. Provide (1) 1000 amp CT cabinet, (1) set of 500 MCM CU from secondary side of DTE XFR, (1) pull string in spare conduit from CT to DTE XFR. 6. Provide (1) 400 amp MCB panel, 120/208 volt, 3 phase service located on service pedestal. Provide adequate space for additional panel on service pedestal for future EV expansion. 7. From new EV panel provide copper conductors to (3) customer provided 80 amp single phase EV chargers with 100 amp breakers. 8. Provide all surface mounted conduit on retaining wall to be EMT conduit. 9. Do not include any DTE fees, customer to be responsible for fees. Provide expected DTE fees = \$0. DTE work to be conducted during normal business hours. 10. Provide all excavation, concrete foundation posts for service pedestal, reuse of spoils unless clay, compact backfill every 12" and site restoration. Any excess dirt, spread out on site. Provide grass seed where grass is removed. 11. Provide (2) 6" concrete filled bollards to protect CT cabinet location. 12. Provide (6) 4" concrete filled bollards to protect EV chargers. 13. Install (3) No Parking Signs for EV Charging Station. 14. Mount EMT conduit on retaining wall to feed each of (3) customer provided charging stations. 15. Ensure proper installation, including mounting, wiring, and connection to the electrical grid, in accordance with manufacturer specifications and safety guidelines. 16. Ensure customer supplied chargers have proper communication features within each charger to ensure functionality prior to start. If not provide Adder Cost to ensure charger functionality. 17. Obtain all necessary permits and approvals required for the installation of the Level 2 chargers, including permits from local authorities, utility providers, and any other relevant entities.

Detailed Scope of Work Continues..

Work Order Number: 1003.00

Work Order Title: Rochester Hills City Hall EV Charging Stations

Contractor

Date

Owner

Date

Contractor's Price Proposal - Summary

Date: July 02, 2024

Re: Master Contract #: RH-23-034 Region 1-6 - GC - FH Paschen
Work Order #: 1003.00
Owner PO #:
Title: Rochester Hills City Hall EV Charging Stations
Contractor: F.H. Paschen MI
Proposal Value: \$57,096.96

No Category Input **\$57,096.96**

Proposal Total **\$57,096.96**

Contractor's Price Proposal - Detail

Date: July 02, 2024
Re: Master Contract #: RH-23-034 Region 1-6 - GC - FH Paschen
 Work Order #: 1003.00
 Owner PO #:
 Title: Rochester Hills City Hall EV Charging Stations
 Contractor: F.H. Paschen MI
 Proposal Value: \$57,096.96

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
No Category Input					
1	01 22 20 00 0057		HR	Principal Engineer	\$2,241.91
				Installation Quantity 8.00 x Unit Price 222.50 x Factor 1.2595 = Total 2,241.91 Fees - stamped drawings	
2	01 71 13 00 0003		EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	\$1,669.56
				Installation Quantity 1.00 x Unit Price 1,325.57 x Factor 1.2595 = Total 1,669.56 Delivery of excavator	
3	01 71 23 16 0016		ACR	Survey Clear Area For Underground Utilities	\$1,439.08
				Installation Quantity 0.50 x Unit Price 2,285.16 x Factor 1.2595 = Total 1,439.08 Minimum charge for utility locate	
4	01 74 19 00 0012		EA	10 CY Dumpster (1.5 Ton) "Construction Debris" Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$629.75
				Installation Quantity 1.00 x Unit Price 500.00 x Factor 1.2595 = Total 629.75 Dumpster for debris/trash	
5	02 41 19 13 0071		EA	Saw Cut Minimum Charge For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	\$1,096.63
				Installation Quantity 1.00 x Unit Price 870.69 x Factor 1.2595 = Total 1,096.63 Saw cut pavement for install of (6) bollards	
6	06 05 23 00 0002		EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt	\$377.85
				Installation Quantity 24.00 x Unit Price 12.50 x Factor 1.2595 = Total 377.85 Fasteners for Unistrut to masonry wall	
7	06 05 23 00 0002 0103		MOD	For >10 To 50, Deduct	-\$8.77
				Installation Quantity 24.00 x Unit Price -0.29 x Factor 1.2595 = Total -8.77	
8	10 14 53 11 0048		EA	30" x 36" Aluminum Engineer Grade Traffic Sign	\$537.57
				Installation Quantity 3.00 x Unit Price 142.27 x Factor 1.2595 = Total 537.57 EV Parking Signs	

Contractor's Price Proposal - Detail Continues..

Work Order Number: 1003.00
Work Order Title: Rochester Hills City Hall EV Charging Stations

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
No Category Input					
9	10 14 53 11 0048	0235	MOD	For Hi-Intensity Grade, Add	\$125.07
			Installation	Quantity 3.00 x Unit Price 33.10 x Factor 1.2595 = Total 125.07	
10	11 11 36 13 0007		EA	Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3)208 to 240 volt, 30 amperes, 1 phase. Excludes pole.	\$853.07
		X	Installation	Quantity 3.00 x Unit Price 225.77 x Factor 1.2595 = Total 853.07	
				Install (3) Owner supplied EV chargers	
11	26 01 20 91 0002		EA	Lock Out/Tag Out Local DisconnectExcludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	\$41.51
			Installation	Quantity 1.00 x Unit Price 32.96 x Factor 1.2595 = Total 41.51	
				Electrical Safety	
12	26 01 20 91 0003		EA	Lock Out/Tag Out Breaker Or Motor StarterExcludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	\$41.51
			Installation	Quantity 1.00 x Unit Price 32.96 x Factor 1.2595 = Total 41.51	
				Electrical Safety	
13	26 05 13 16 0203		EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	\$1,201.22
			Installation	Quantity 9.00 x Unit Price 105.97 x Factor 1.2595 = Total 1,201.22	
				Conductor connections to EV boxes	
14	26 05 13 16 0212		EA	500 MCM Crimp Compression Connection For Bare Copper Wire	\$1,224.03
			Installation	Quantity 4.00 x Unit Price 242.96 x Factor 1.2595 = Total 1,224.03	
				500 MCM connections - 4 wire	
15	26 05 19 16 0006		LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	\$13.22
			Installation	Quantity 30.00 x Unit Price 0.35 x Factor 1.2595 = Total 13.22	
				Pull string for spare conduit	
16	26 05 19 16 0075		MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	\$2,109.97
			Installation	Quantity 0.12 x Unit Price 13,960.39 x Factor 1.2595 = Total 2,109.97	
				Wire from panelboard to EV chargers	
17	26 05 19 16 0139		MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	\$3,442.26
			Installation	Quantity 0.15 x Unit Price 18,220.23 x Factor 1.2595 = Total 3,442.26	
				Conductors from transformer to CT cabinet	
18	26 05 26 00 0008		MLF	4 AWG Copper Bare Single Stranded Conductor	\$106.78
			Installation	Quantity 0.05 x Unit Price 1,695.56 x Factor 1.2595 = Total 106.78	
				Grounding wire	
19	26 05 26 00 0100		EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	\$163.27
			Installation	Quantity 1.00 x Unit Price 129.63 x Factor 1.2595 = Total 163.27	
				Ground Rod	

Contractor's Price Proposal - Detail Continues..

Work Order Number: 1003.00
Work Order Title: Rochester Hills City Hall EV Charging Stations

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
No Category Input					
20	26 05 26 00 0152		EA	3/4" Bronze Ground Rod Clamp	\$28.98
				Quantity	Unit Price
				1.00 x	23.01 x
				Factor =	Total
				1.2595 =	28.98
				Installation	
				Ground Rod	
21	26 05 29 00 0014		LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	\$2,498.22
				Quantity	Unit Price
				50.00 x	39.67 x
				Factor =	Total
				1.2595 =	2,498.22
				Installation	
				Unistrut for mounting EV chargers and CT cabinet and panelboard to wall	
22	26 05 29 00 0137		EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	\$387.67
				Quantity	Unit Price
				36.00 x	8.55 x
				Factor =	Total
				1.2595 =	387.67
				Installation	
				Unistrut bolts	
23	26 05 29 00 0192		EA	1", Two Hole Steel Conduit Strap	\$156.81
				Quantity	Unit Price
				30.00 x	4.15 x
				Factor =	Total
				1.2595 =	156.81
				Installation	
				Clamps for EMT conduit to wall	
24	26 05 29 00 0192 0110		MOD	For Installation On Concrete (Includes Drilling And Fastener), Add	\$38.54
				Quantity	Unit Price
				30.00 x	1.02 x
				Factor =	Total
				1.2595 =	38.54
				Installation	
25	26 05 29 00 0199		EA	4", Two Hole Steel Conduit Strap	\$29.12
				Quantity	Unit Price
				4.00 x	5.78 x
				Factor =	Total
				1.2595 =	29.12
				Installation	
				4" conduit straps to wall	
26	26 05 29 00 0199 0110		MOD	For Installation On Concrete (Includes Drilling And Fastener), Add	\$5.14
				Quantity	Unit Price
				4.00 x	1.02 x
				Factor =	Total
				1.2595 =	5.14
				Installation	
27	26 05 29 00 0265		EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	\$73.15
				Quantity	Unit Price
				12.00 x	4.84 x
				Factor =	Total
				1.2595 =	73.15
				Installation	
				Clamps for EMT conduit to Unistrut	
28	26 05 33 13 0603		LF	1" Electrical Metallic Tubing (EMT) Conduit	\$1,067.05
				Quantity	Unit Price
				120.00 x	7.06 x
				Factor =	Total
				1.2595 =	1,067.05
				Installation	
				Conduit from panel board to EV chargers - homerun each	
29	26 05 33 13 0614		EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow	\$118.27
				Quantity	Unit Price
				6.00 x	15.65 x
				Factor =	Total
				1.2595 =	118.27
				Installation	
				Conduit parts to EV chargers	
30	26 05 33 13 0658		EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	\$226.90
				Quantity	Unit Price
				15.00 x	12.01 x
				Factor =	Total
				1.2595 =	226.90
				Installation	
				Weatherproof fittings for EMT conduit	

Contractor's Price Proposal - Detail Continues..

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Sect.	Item	Modifier	UOM	Description	Line Total			
Labor	Equip.	Material	(Excluded if marked with an X)					
No Category Input								
31	26 05 33 13 0713		EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	\$33.63			
				Quantity	Unit Price	Factor	=	Total
			Installation	3.00 x	8.90 x	1.2595	=	33.63
				Weatherproof connectors for EMT to j-boxes				
32	26 05 33 13 1495		LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	\$59.64			
				Quantity	Unit Price	Factor	=	Total
			Installation	5.00 x	9.47 x	1.2595	=	59.64
				Conduit from CT cabinet to panel				
33	26 05 33 13 1495 0054		MOD	For Schedule 80, Add	\$11.40			
				Quantity	Unit Price	Factor	=	Total
			Installation	5.00 x	1.81 x	1.2595	=	11.40
34	26 05 33 13 1499		LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	\$1,605.86			
				Quantity	Unit Price	Factor	=	Total
			Installation	60.00 x	21.25 x	1.2595	=	1,605.86
				4" conduit from transformer to CT cabinet with risers. Include (1) spare with pull rope.				
35	26 05 33 13 1499 0054		MOD	For Schedule 80, Add	\$334.78			
				Quantity	Unit Price	Factor	=	Total
			Installation	60.00 x	4.43 x	1.2595	=	334.78
36	26 05 33 13 1563		EA	4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	\$1,960.29			
				Quantity	Unit Price	Factor	=	Total
			Installation	4.00 x	389.10 x	1.2595	=	1,960.29
				Sweeps to transformer and CT cabinet for conduits				
37	26 05 33 13 1563 0054		MOD	For Schedule 80, Add	\$497.55			
				Quantity	Unit Price	Factor	=	Total
			Installation	4.00 x	98.76 x	1.2595	=	497.55
38	26 05 53 00 0011		EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	\$96.10			
				Quantity	Unit Price	Factor	=	Total
			Installation	5.00 x	15.26 x	1.2595	=	96.10
				Labels for CT cabinet, panel and (3) EV chargers				
39	26 05 53 00 0019		EA	Labeling Existing Wire	\$10.73			
				Quantity	Unit Price	Factor	=	Total
			Installation	3.00 x	2.84 x	1.2595	=	10.73
				Label breakers for (3) EV chargers				
40	26 11 16 11 0013		EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	\$1,768.54			
				Quantity	Unit Price	Factor	=	Total
		X	Installation	1.00 x	1,404.16 x	1.2595	=	1,768.54
				Labor only to open transformer and make connections while de-energized				
41	26 21 13 00 0062		EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	\$271.98			
				Quantity	Unit Price	Factor	=	Total
			Installation	2.00 x	107.97 x	1.2595	=	271.98
				2" PVC connector from CT cabinet to panel				

Contractor's Price Proposal - Detail Continues..

Work Order Number: 1003.00
Work Order Title: Rochester Hills City Hall EV Charging Stations

Sect.	Item	Modifier	UOM	Description	Line Total			
Labor	Equip.	Material	(Excluded if marked with an X)					
No Category Input								
42	26 21 13 00 0066		EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	\$1,363.43			
				Quantity	Unit Price	Factor	=	Total
			Installation	2.00	541.26	1.2595	=	1,363.43
				4" PVC connector to CT cabinet				
43	26 24 13 00 0076		EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	\$5,632.55			
				Quantity	Unit Price	Factor	=	Total
			Installation	1.00	4,472.05	1.2595	=	5,632.55
				Panelboard for new 100A breakers				
44	26 24 13 00 0094		EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	\$1,829.63			
				Quantity	Unit Price	Factor	=	Total
			Installation	3.00	484.22	1.2595	=	1,829.63
				100 amp breakers for (3) EV chargers				
45	26 24 19 00 0411		EA	1,000 Amperes, Metering Equipment, Current Transformer	\$3,204.19			
				Quantity	Unit Price	Factor	=	Total
			Installation	1.00	2,544.02	1.2595	=	3,204.19
				1000 Amp CT Cabinet				
46	26 27 13 00 0130		EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	\$1,545.52			
				Quantity	Unit Price	Factor	=	Total
			Installation	1.00	1,227.09	1.2595	=	1,545.52
				Meter box				
47	26 27 16 00 0205		EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	\$1,646.63			
				Quantity	Unit Price	Factor	=	Total
			Installation	3.00	435.79	1.2595	=	1,646.63
				EV Charger junction boxes				
48	31 05 13 00 0002		CY	Bank Run/Fill Sand	\$114.04			
				Quantity	Unit Price	Factor	=	Total
			Installation	3.00	30.18	1.2595	=	114.04
				Bedding for electrical conduit				
49	31 05 13 00 0002 0053		MOD	For Up To 8, Add	\$22.82			
				Quantity	Unit Price	Factor	=	Total
			Installation	3.00	6.04	1.2595	=	22.82
50	31 23 16 13 0003		CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	\$75.19			
				Quantity	Unit Price	Factor	=	Total
			Installation	10.00	5.97	1.2595	=	75.19
				Trenching for electrical conduit from transformer to CT cabinet				
51	31 23 16 13 0003 0059		MOD	For Excavation In Heavy/Wet Material (Class C), Add	\$30.10			
				Quantity	Unit Price	Factor	=	Total
			Installation	10.00	2.39	1.2595	=	30.10
52	31 23 16 13 0003 0060		MOD	For Up To 20, Add	\$60.20			
				Quantity	Unit Price	Factor	=	Total
			Installation	10.00	4.78	1.2595	=	60.20

Contractor's Price Proposal - Detail Continues..

Work Order Number: 1003.00
Work Order Title: Rochester Hills City Hall EV Charging Stations

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
No Category Input						
53	31 23 16 13 0008		CY	Excavation For Trenching By Hand In Loose Rock Or Compacted AggregateIncludes stockpiling excess materials and trimming sides and bottom of trench.	\$753.08	
			Installation	Quantity 4.00 x Unit Price 149.48 x Factor 1.2595 = Total 753.08		
				Hand work around transformer		
54	31 23 16 13 0010		CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	\$38.04	
			Installation	Quantity 10.00 x Unit Price 3.02 x Factor 1.2595 = Total 38.04		
				Backfill trench after electrical inspection		
55	31 23 16 13 0010 0065		MOD	For Up To 20, Add	\$30.48	
			Installation	Quantity 10.00 x Unit Price 2.42 x Factor 1.2595 = Total 30.48		
56	31 23 16 13 0011		CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	\$121.97	
			Installation	Quantity 4.00 x Unit Price 24.21 x Factor 1.2595 = Total 121.97		
				Hand work around transformer		
57	31 23 16 13 0013		CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate , Air Tamper, Etcetera	\$64.23	
			Installation	Quantity 10.00 x Unit Price 5.10 x Factor 1.2595 = Total 64.23		
				Compaction of backfill		
58	31 23 16 13 0013 0070		MOD	For Up To 20, Add	\$51.39	
			Installation	Quantity 10.00 x Unit Price 4.08 x Factor 1.2595 = Total 51.39		
59	31 23 16 13 0019		CY	Spread Excess Or Imported Material On Site With Machine	\$31.74	
			Installation	Quantity 10.00 x Unit Price 2.52 x Factor 1.2595 = Total 31.74		
				Grade around trenching after backfill		
60	31 23 16 13 0019 0075		MOD	For Up To 20, Add	\$25.44	
			Installation	Quantity 10.00 x Unit Price 2.02 x Factor 1.2595 = Total 25.44		
61	31 23 16 16 0010		VLF	12" Diameter Hole, Auger By Machine Post Hole In Soil	\$479.42	
			Installation	Quantity 24.00 x Unit Price 15.86 x Factor 1.2595 = Total 479.42		
				Dig holes for (6) 4" bollards		
62	31 23 16 16 0011		VLF	18" Diameter Hole, Auger By Machine Post Hole In Soil	\$182.58	
			Installation	Quantity 8.00 x Unit Price 18.12 x Factor 1.2595 = Total 182.58		
				Dig holes for (2) 6" bollards		
63	31 23 16 16 0027		VLF	Concrete Fill, 12" Diameter Hole	\$660.48	
			Installation	Quantity 24.00 x Unit Price 21.85 x Factor 1.2595 = Total 660.48		
				Concrete filled holes for (6) bollards		

Contractor's Price Proposal - Detail Continues..

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Labor	Equip.	Material	(Excluded if marked with an X)														
No Category Input																	
64	31 23 16 16 0028		VLF	Concrete Fill, 18" Diameter Hole	\$306.92												
				<table> <tr> <td>Installation</td> <td>Quantity</td> <td>Unit Price</td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td></td> <td>8.00 x</td> <td>30.46 x</td> <td>1.2595</td> <td></td> <td>306.91</td> </tr> </table>	Installation	Quantity	Unit Price	Factor	=	Total		8.00 x	30.46 x	1.2595		306.91	
Installation	Quantity	Unit Price	Factor	=	Total												
	8.00 x	30.46 x	1.2595		306.91												
				Concrete filled holes for (2) bollards													
65	31 25 14 26 0028		EA	Wattles (Sterile Straw Filled Rolls), 8" x 25'	\$513.57												
				<table> <tr> <td>Installation</td> <td>Quantity</td> <td>Unit Price</td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td></td> <td>4.00 x</td> <td>101.94 x</td> <td>1.2595</td> <td></td> <td>513.57</td> </tr> </table>	Installation	Quantity	Unit Price	Factor	=	Total		4.00 x	101.94 x	1.2595		513.57	
Installation	Quantity	Unit Price	Factor	=	Total												
	4.00 x	101.94 x	1.2595		513.57												
				Erosion control													
66	32 12 16 13 0020		TON	Hand Placed Hot Mixed Asphalt 3,954 LB/CYFor small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	\$356.80												
				<table> <tr> <td>Installation</td> <td>Quantity</td> <td>Unit Price</td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td></td> <td>1.00 x</td> <td>283.29 x</td> <td>1.2595</td> <td></td> <td>356.80</td> </tr> </table>	Installation	Quantity	Unit Price	Factor	=	Total		1.00 x	283.29 x	1.2595		356.80	
Installation	Quantity	Unit Price	Factor	=	Total												
	1.00 x	283.29 x	1.2595		356.80												
				Patch around bollards in parking lot													
67	32 39 13 00 0003		LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	\$5,811.03												
				<table> <tr> <td>Installation</td> <td>Quantity</td> <td>Unit Price</td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td></td> <td>48.00 x</td> <td>96.12 x</td> <td>1.2595</td> <td></td> <td>5,811.03</td> </tr> </table>	Installation	Quantity	Unit Price	Factor	=	Total		48.00 x	96.12 x	1.2595		5,811.03	
Installation	Quantity	Unit Price	Factor	=	Total												
	48.00 x	96.12 x	1.2595		5,811.03												
				(2) bollards each to protect EV chargers													
68	32 39 13 00 0003 0282		MOD	For Concrete Fill, Add Per LF Of Pipe Bollard	\$479.42												
				<table> <tr> <td>Installation</td> <td>Quantity</td> <td>Unit Price</td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td></td> <td>48.00 x</td> <td>7.93 x</td> <td>1.2595</td> <td></td> <td>479.42</td> </tr> </table>	Installation	Quantity	Unit Price	Factor	=	Total		48.00 x	7.93 x	1.2595		479.42	
Installation	Quantity	Unit Price	Factor	=	Total												
	48.00 x	7.93 x	1.2595		479.42												
69	32 39 13 00 0004		LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	\$2,851.71												
				<table> <tr> <td>Installation</td> <td>Quantity</td> <td>Unit Price</td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td></td> <td>16.00 x</td> <td>141.51 x</td> <td>1.2595</td> <td></td> <td>2,851.71</td> </tr> </table>	Installation	Quantity	Unit Price	Factor	=	Total		16.00 x	141.51 x	1.2595		2,851.71	
Installation	Quantity	Unit Price	Factor	=	Total												
	16.00 x	141.51 x	1.2595		2,851.71												
				Vehicle impact panels to protect CT cabinet													
70	32 39 13 00 0004 0283		MOD	For Concrete Fill, Add Per LF Of Pipe Bollard	\$228.52												
				<table> <tr> <td>Installation</td> <td>Quantity</td> <td>Unit Price</td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td></td> <td>16.00 x</td> <td>11.34 x</td> <td>1.2595</td> <td></td> <td>228.52</td> </tr> </table>	Installation	Quantity	Unit Price	Factor	=	Total		16.00 x	11.34 x	1.2595		228.52	
Installation	Quantity	Unit Price	Factor	=	Total												
	16.00 x	11.34 x	1.2595		228.52												

Subtotal for No Category Input **\$57,096.96**

Proposal Total **\$57,096.96**

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.