

Merrimack Street Utility Improvements Project IFB

LAWRENCE**MERRIMACK STREET UTILITY IMPROVEMENTS PROJECT****RESPONSE TO CONTRACTOR QUESTIONS ADDENDUM NO. 1, SEPTEMBER 15, 2017**

Question #1: The line item 999.07 Private Utility Connection. Is the contractor responsible to have an electrician on staff to hook up the live electricity to the buildings?

The breakdown seems to suggest that the contractor has to also have Comcast and Verizon on board to hook up the permanent to the inside of the buildings. If so does Comcast and Verizon charge the contractor for these hook ups to each building?

Can I get a clear break down on this item please.

Response #1: For electric service connections, the Contractor and/or Contractor's electrician is responsible for rebuilding/relocating the services to the new locations or from overhead to underground. This includes coring a hole in the basement or crawlspace wall, installing conduit into the building, installing wiring from the meter to the existing service panel, and grout sealing the cored hole. Termination of existing overhead services (electric, telephone, cable) will include removal of the existing conduit and other non-utility-owned equipment/wiring mounted to the exterior of the building, after the new services are active.

National Grid will work with the electrician to schedule cutover appointments to disconnect the old and reconnect the new. The electrician shall not make any connections to National Grid equipment, whether overhead or underground. Also, National Grid will not charge for the new service connections. Even though the service connections will be at no charge, the Contractor shall be required to call in a work request and receive municipal inspection clearance on all the work requests in order to reconnect the services.

Subsequent to Contractor installation of all conduit and completion of building penetrations, Comcast and Verizon will each complete the reinstallation of their services at each address. Comcast and Verizon have confirmed that there will be no charges to the Contractor.

Question #2: I'm filling out the bid form for Merrimack Street Utility Improvement Project and noticed the Bid Pricing Form has a sentence stating, "The unit prices below shall be the basis for determining contract additions and deductions, if any." I also noticed that the unit price sheets for the Base Bid and Add Alternate 1 have a total to be filled in on the last page.

Since the sentence I referenced above includes the words "if any" can you clarify if the totals to be filled in on the last page of the unit price sheets for Base Bid and the unit price sheets for Add Alternate 1 are the same totals that need to be filled in on the Bid Pricing Form on lines C and line D respectively, or may lines C and D on the Bid Pricing Form be different from the total shown on the unit price sheets for the Base Bid and for Add Alternate 1. My concern is that the unit price sheets do not include some of the items that are called out on the Drawings and thus would not be included in the scope of work, the NGRID 2 Way Manhole is an example.

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Response #2: The Base Bid and Add Alternate 1 totals to be filled in on the Bid Tabs should be carried over to the Bid Form, Section 4, paragraphs C and D, respectively, and their sum entered in Section 4, paragraph E. The term “if any” in Section 4, paragraph A refers to any additions or deductions resulting from approved Change Orders through the Contract duration. Note that the 5-inch galvanized steel sweeps and 2-way manhole shown on the plans will be paid under Item 806.5 and Item 999.05, respectively. Special provisions for these items have been added to Section 11, and the items have also been added to the Bid Tabs. The revised Special Provisions and Bid Tabs are included in this Addendum.

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
765	30	SEEDING AT _____ PER SQUARE YARD				
767.12	200	COMPOST FILTER TUBES AT _____ PER FOOT				
804.3	2250	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL) AT _____ PER FOOT				
804.4	6150	4 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL) AT _____ PER FOOT				
804.5	3800	5 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL) AT _____ PER FOOT				
806.4	75	4 INCH ELECTRICAL CONDUIT TYPE RM - GALVANIZED STEEL AT _____ PER FOOT				
806.5	20	5 INCH ELECTRICAL CONDUIT TYPE RM - GALVANIZED STEEL AT _____ PER FOOT				
811.1	5	ELECTRIC HANDHOLE AT _____ PER EACH				
811.2	3	HEAVY DUTY ELECTRIC HANDHOLE AT _____ PER EACH				
852.	400	SAFETY SIGNING FOR TRAFFIC MANAGEMENT AT _____ PER SQUARE FOOT				
853.1	5	PORTABLE BREAKAWAY BARRICADE TYPE III AT _____ PER EACH				
853.8	15	TEMPORARY ILLUMINATION FOR WORK ZONE AT _____ PER DAY				
854.016	15000	TEMPORARY PAVING MARKINGS - 6 INCH (PAINTED) AT _____ PER FOOT				

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
856.12	280	AT PORTABLE CHANGEABLE MESSAGE SIGN _____				
		PER DAY				
859.	20260	AT REFLECTORIZED DRUM _____				
		PER DAY				
864.04	800	AT PAVEMENT ARROWS AND LEGENDS REFL. WHITE (THERMOPLASTIC) _____				
		PER SQUARE FOOT				
866.212	2500	AT 12 INCH REFLECTORIZED WHITE LINE (POLYUREA) (RECESSED) _____				
		PER FOOT				
866.204	8950	AT 4 INCH REFLECTORIZED WHITE LINE (POLYUREA) (RECESSED) _____				
		PER FOOT				
866.206	165	AT 6 INCH REFLECTORIZED WHITE LINE (POLYUREA) (RECESSED) _____				
		PER FOOT				
867.204	6050	AT 4 INCH REFLECTORIZED YELLOW LINE (POLYUREA) (RECESSED) _____				
		PER FOOT				
867.206	180	AT 6 INCH REFLECTORIZED YELLOW LINE (POLYUREA) (RECESSED) _____				
		PER FOOT				
874.4	11	AT TRAFFIC SIGN REMOVED AND STACKED _____				
		PER EACH				
874.7	2	AT MISCELLANEOUS SIGNS REMOVED AND STACKED _____				
		PER EACH				
903	300	AT 3000 PSI, 1.5 IN., 470 CEMENT CONCRETE _____				
		PER CUBIC YARD				
999.04	1	AT TRANSFORMER PAD _____				
		PER EACH				

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		TOTAL	
			DOLLARS	CENTS	DOLLARS	CENTS
999.05	1	2-WAY MANHOLE AT _____ PER EACH				
999.07	17	PRIVATE SERVICE CONNECTION AT _____ PER EACH				

BID TOTAL _____

BID TOTAL WRITTEN IN WORDS

<u>ITEM 804.3</u>	<u>3 INCH ELECTRICAL CONDUIT TYPE NM – PLASTIC – (UL)</u>	<u>FOOT</u>
<u>ITEM 804.4</u>	<u>4 INCH ELECTRICAL CONDUIT TYPE NM – PLASTIC – (UL)</u>	<u>FOOT</u>
<u>ITEM 804.5</u>	<u>5 INCH ELECTRICAL CONDUIT TYPE NM – PLASTIC – (UL)</u>	<u>FOOT</u>
<u>ITEM 806.4</u>	<u>4 INCH ELECTRICAL CONDUIT TYPE RM – GALVANIZED STEEL</u>	<u>FOOT</u>
<u>ITEM 806.5</u>	<u>5 INCH ELECTRICAL CONDUIT TYPE RM – GALVANIZED STEEL</u>	<u>FOOT</u>

Work under these items shall conform to the relevant provisions of Section 801 of the Standard Specifications and the following:

The work shall include the furnishing and installation of 3-,4-,and 5-inch non-metallic conduit, and 4- and 5-inch galvanized steel risers in accordance with the plans and as directed by the Engineer. All fittings, glue, sand, and other items required for installation per the details included in the plans shall be included in the unit price bid for the respective conduit item.

MATERIALS

All conduit shall meet the requirements of M5.07.0 or M5.07.1, as applicable for Type NM and Type RM conduit, respectively. Type NM conduit shall also meet:

- A. NEMA TC 2; UL 651 listed; Schedule 80 PVC of size as indicated in drawings with pull rope.
- B. Fittings: NEMA TC 3; match to conduit or tubing type and material.

Materials and equipment shall be in accordance with NEC, UL, ANSI, and as shown on the drawings and specified.

Trench backfill shall include the installation of a 6” Detectable metallic warning tape, conforming to current APWA Standards, and be placed 1’-4” above the top of conduit.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Work under Items 804.3, 804.4, 804.5, 806.4 and 806.5 will be paid for at the Contract unit price per foot, which price shall include all labor, materials, equipment, and incidental costs required to complete the work.

Concrete encasement of National Grid and Verizon conduit will be paid for separately under Item 903. 3000 PSI, 1.5 IN., 470 Cement Concrete. Flowable fill backfill for Comcast and Lighttower conduit will be paid for separately under Item 153. Controlled Density Fill – Excavatable.

No separate payment will be made for excavation, permits, fees, coordination with utility companies and City of Lawrence Inspectional Services for inspections, sawcutting, spacers, or backfill, but all costs in connection therewith shall be included in the Contract unit price bid for the respective conduit item.

To receive full payment, work must be inspected and accepted by the servicing Utility and the City of Lawrence electric inspector.

ITEM 999.04

TRANSFORMER PAD

EACH

ITEM 999.05

2-WAY MANHOLE

EACH

Work under these items shall conform to the relevant provisions of Sections 120 and 800 of the Standard Specifications, the National Grid Supplement to Specifications for Electrical Installations Underground Commercial Distribution (UCD) Installation and Responsibility Guide – Electronic Service Bulletin No. 759B, Dated July 2010 and as amended, and the following:

Work under item 999.04 shall include furnishing and installation of a transformer pad at the location shown on the plans as shown on Figure 27.0-1 of the National Grid ESB No. 759B. For the purpose of bidding, it is assumed that a 15kV Transformer pad will be required.

Work under Item 999.05 shall include furnishing and installation of a 2-way manhole and manhole frame and cover as shown on the Construction Details included in the plans and the aforementioned National Grid specifications.

Work under these items shall include all excavation, backfill, sand and gravel pad, grounding, transformer attachment hardware, and restoration of surface materials to their original condition or proposed condition, as identified on the plans.

Bollards will be paid for separately under Item 707.8, Steel Bollard.

Work shall be performed as directed by the National Grid Inspector and/or Resident Engineer.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Work under these items shall be measured for payment per each, complete in place and accepted by the servicing Utility.

Work under these items shall be paid for at the Contract unit price per each, which price shall include all labor, materials, equipment, and incidental costs required to complete the work.