



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

July 18, 2013

SUBJECT: FAU 7175 (Goodwin Avenue)
Project TCSP-IL10 (106)
Section 12-00518-00-TL (Urbana)
Champaign County
Contract No. 91483
Item 66
August 2, 2013 Letting
Addendum (A)

NOTICE TO PROSPECTIVE BIDDERS:

Due to clarify information necessary to revise the following:

- 1. Revised pages 6 – 9 of the Schedule of Prices.**
- 2. Revised pages 8, 36, 43, 47, 51 & 52 of the Special Provisions.**
- 3. Revised Sheets 4, 5, 19, 22 & 24 of the Plans.**

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

John Baranzelli, P.E.
Acting Engineer of Design and Environment

A handwritten signature in cursive script, reading "Ted B. Walschleger, P.E.", with a small "P.E." to the right.

By: Ted B. Walschleger, P.E.
Engineer of Project Management

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
78000200	THPL PVT MK LINE 4	FOOT	723.000 X				
78000400	THPL PVT MK LINE 6	FOOT	121.000 X				
78000600	THPL PVT MK LINE 12	FOOT	997.000 X				
78000650	THPL PVT MK LINE 24	FOOT	128.000 X				
78008200	POLYUREA PM T1 LTR-SY	SQ FT	2.000 X				
81028320	UNDRGRD C PVC 1	FOOT	80.000 X				
81028330	UNDRGRD C PVC 1 1/4	FOOT	2.000 X				
81028340	UNDRGRD C PVC 1 1/2	FOOT	111.000 X				
81028350	UNDRGRD C PVC 2	FOOT	222.000 X				
81028360	UNDRGRD C PVC 2 1/2	FOOT	95.000 X				
81028390	UNDRGRD C PVC 4	FOOT	2.000 X				
81028740	UNDRGRD C CNC 1 1/2	FOOT	350.000 X				
81028750	UNDRGRD C CNC 2	FOOT	1,522.000 X				
81028770	UNDRGRD C CNC 3	FOOT	220.000 X				
81028790	UNDRGRD C CNC 4	FOOT	85.000 X				

Revised 7/18/13

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
81400700	HANDHOLE PCC	EACH	3.000 X	=			
81400720	DBL HANDHOLE PCC	EACH	1.000 X	=			
81500100	GULFBOX JUNCTION	EACH	7.000 X	=			
81500120	GULFBOX JUNCTION CC	EACH	7.000 X	=			
81702101	EC C XLP USE 1C 14	FOOT	320.000 X	=			
81702120	EC C XLP USE 1C 8	FOOT	5,050.000 X	=			
83000400	LT P A 30MH 10DA	EACH	5.000 X	=			
84200600	REM LT U NO SALV	EACH	4.000 X	=			
84200804	REM POLE FDN	EACH	4.000 X	=			
85700200	FAC T4 CAB	EACH	1.000 X	=			
86200200	UNINTER POWER SUP STD	EACH	1.000 X	=			
87301215	ELCBL C SIGNAL 14 2C	FOOT	1,750.000 X	=			
87301225	ELCBL C SIGNAL 14 3C	FOOT	150.000 X	=			
87301245	ELCBL C SIGNAL 14 5C	FOOT	990.000 X	=			
87301255	ELCBL C SIGNAL 14 7C	FOOT	2,150.000 X	=			

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
87301515	ELCBL C LEAD 18 3PR	FOOT	1,660.000 X	=			
87301795	ELCBL C SERV 3 1C	FOOT	785.000 X	=			
87301900	ELCBL C EGRDC 6 1C	FOOT	660.000 X	=			
87500600	TS POST 10	EACH	3.000 X	=			
87501200	TS POST 16	EACH	2.000 X	=			
87600200	PED PUSH-BUT POST T2	EACH	4.000 X	=			
87702960	STL COMB MAA&P 46	EACH	4.000 X	=			
87800100	CONC FDN TY A	FOOT	15.000 X	=			
87800150	CONC FDN TY C	FOOT	4.000 X	=			
87800415	CONC FDN TY E 36D	FOOT	60.000 X	=			
88040070	SH P LED 1F 3S BM	EACH	2.000 X	=			
88040090	SH P LED 1F 3S MAM	EACH	6.000 X	=			
88040150	SH P LED 1F 5S BM	EACH	2.000 X	=			
88040160	SH P LED 1F 5S MAM	EACH	4.000 X	=			
88040260	SH P LED 2F 1-3 1-5BM	EACH	2.000 X	=			

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
88102825	PED SH P LED 1F BM CT	EACH	8.000 X	=			
88200100	TS BACKPLATE	EACH	10.000 X	=			
88600100	DET LOOP T1	FOOT	705.000 X	=			
88700200	LIGHT DETECTOR	EACH	2.000 X	=			
88700300	LIGHT DETECTOR AMP	EACH	1.000 X	=			
89502380	REMOV EX HANDHOLE	EACH	6.000 X	=			
89502385	REMOV EX CONC FDN	EACH	10.000 X	=			

TOTAL \$

- NOTE:
1. EACH PAY ITEM SHOULD HAVE A UNIT PRICE AND A TOTAL PRICE.
 2. THE UNIT PRICE SHALL GOVERN IF NO TOTAL PRICE IS SHOWN OR IF THERE IS A DISCREPANCY BETWEEN THE PRODUCT OF THE UNIT PRICE MULTIPLIED BY THE QUANTITY.
 3. IF A UNIT PRICE IS OMITTED, THE TOTAL PRICE WILL BE DIVIDED BY THE QUANTITY IN ORDER TO ESTABLISH A UNIT PRICE.
 4. A BID MAY BE DECLARED UNACCEPTABLE IF NEITHER A UNIT PRICE NOR A TOTAL PRICE IS SHOWN.

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SURFACE REMOVAL AND PAVING REQUIREMENTS

Description

This work shall be performed in accordance with the applicable portions of Sections 406 and 440 of the Standard Specifications; the applicable District Special Provisions and Bureau of Design and Environment Special Provisions included herein; these Special Provisions; and the following additions or exceptions.

The hot-mix asphalt surface removal and hot-mix asphalt paving operations shall be scheduled for times between the hours of 10:00 p.m. and 7:00 a.m. Monday through Thursday unless otherwise directed by the Engineer. Nighttime work shall begin no earlier than 10:00 p.m. Nighttime work shall end no later than 7:00 a.m., with all lanes opened to traffic as directed by the Engineer. Surface removal and paving operations may also be scheduled during the daytime on a Saturday or Sunday with prior approval from the Engineer. Scheduling of all subcontractors involved with the surface removal and paving operations shall conform to these requirements.

The paving operation shall utilize two separate pavers and paving crews so that the longitudinal joint between adjacent travel lanes will be an integral bonded joint and will not be a "cold" joint. The pavement centerline joint will be a standard longitudinal "cold" joint. A sufficient number of each required type of roller shall be provided so that the compaction requirements can be achieved for both paving operations. The paving plan shall be approved by the Engineer.

Basis of Payment

All costs that result from adhering to these scheduling and paving requirements shall be included in the cost of the following items, and no additional compensation will be allowed: BITUMINOUS MATERIALS (PRIME COAT); AGGREGATE (PRIME COAT); MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS; TEMPORARY RAMP; POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70; POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0FG, N70; POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; HOT-MIX ASPHALT SURFACE REMOVAL, 2½"; and HOT-MIX ASPHALT SURFACE REMOVAL, 3¾".

CONSTRUCTION NOISE RESTRICTIONS

All engines and engine driven equipment used for hauling or construction shall be equipped with an adequate muffler in constant operation and properly maintained to prevent excessive or unusual noise.

Construction within 600 feet of an occupied residence, library, hospital, or similar receptor shall be confined to the period beginning at 7:00 a.m. and ending at 8:00 p.m. This time regulation shall not apply to hot-mix asphalt surface removal and hot-mix asphalt paving operations; to sawing contraction joints; to maintenance or operation of safety and traffic control devices such as barricades, signs, and lighting; or to construction of an emergency nature.

Exception: Any machine or device or part thereof which is regulated by or becomes regulated by Federal or State of Illinois noise standards shall conform to those standards. Such equipment shall be operated as designated above.

Any arrow board used for traffic control that is to remain in place overnight shall be of a non-motorized type in order to eliminate noise and comply with the City's Ordinance.

TRAFFIC SIGNALS AND ROADWAY LIGHTING

DAMAGE TO EQUIPMENT

Any equipment damaged by the Contractor in his/her operations shall be replaced by the Contractor at his/her own expense, and no additional compensation will be allowed.

TRAFFIC SIGNAL EQUIPMENT

The traffic signal equipment furnished for this contract shall be the Siemens brand in accordance with the proprietary letter between the State of Illinois and the City of Urbana dated May 8, 1990.

ROADWAY LIGHTING COORDINATION

The Contractor shall notify the City of Urbana at least 48 hours in advance of any work that requires power to the existing City-owned lights to be shut off. The contact person at the City of Urbana Public Works Department is Mike Perkins (217-384-2342).

CONDUIT

Description

This work shall consist of furnishing and installing conduit of the type and size specified in accordance with Section 810 of the Standard Specifications and the following additions or exceptions.

All conduits installed below pavement shall be Schedule 80 unless otherwise directed by the Engineer.

When HDPE conduit is required to be spliced to steel conduit sections, a suitable threaded connector shall be installed and sealed by duct seal and plastic tape.

When PVC conduit is required to be spliced to steel conduit sections, a heavy wall set screw connector with PVC female adapter shall be installed and sealed by duct seal and plastic tape.

A ¼" polypropylene pull rope shall be installed in all conduit runs exceeding 20 feet and all empty conduits. A minimum of 2 feet of rope shall be provided at each end of a conduit run.

Intercepting existing conduit, including all required adapters, shall be included in the cost of the respective conduit pay item, and no additional compensation will be allowed.

Basis of Payment

This work will be paid for at the contract unit price per foot for UNDERGROUND CONDUIT, of the type and size specified, which price shall include all labor, equipment, and material necessary to complete the work as specified. Backfilling of conduit trenches will not be paid for separately.

The conduit that enters a concrete foundation, handhole, gulfbox junction, or junction box will not be paid for separately but shall be included in the cost of the concrete foundation, handhole, gulfbox junction, or junction box, and no additional compensation will be allowed.

All required compression splices and heavy duty ground rod clamps and all exothermic welds not included in the cost of a concrete foundation shall be included in the cost of the equipment grounding conductor.

The grounding wire shall be bonded to the grounded conductor at the service disconnect in accordance with the requirements of Ameren Illinois, the NEC, and the NESC.

When the lighting system is supplied by the same source as the traffic signal system, the bonded ground system for the luminaires may utilize the bonded ground system for the traffic signals. All luminaires that are a part of the traffic signal system shall be grounded.

Basis of Payment

This work will be paid for at the contract unit price per foot for ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C, which price shall include all labor, equipment, and material necessary to complete the work as specified.

TRAFFIC SIGNAL POST

Description

This work shall be performed in accordance with Section 875 of the Standard Specifications, the details in the plans, and the following additions or exceptions.

The post and base shall be made of aluminum. The base shall be furnished with an aluminum reinforcing collar and a grounding lug suitable for connecting a copper equipment grounding conductor.

The traffic signal post assembly shall be finished with a standard black finish.

Basis of Payment

This work will be paid for at the contract unit price each for TRAFFIC SIGNAL POST, of the length specified, which price shall include all labor, material, and equipment necessary to complete the work as specified.

PEDESTRIAN PUSH-BUTTON POST

Description

This work shall be performed in accordance with Section 876 of the Standard Specifications, the details in the plans, and the following additions or exceptions.

The pedestrian push-button post shall be a 3-inch diameter steel post with a 10-inch multi-directional slip base manufactured by Xcessories Squared or approved equivalent. The overall height of the assembly above finished grade shall be 5 feet. The pedestrian push-button post assembly shall be finished with a standard black finish.

The Class SI concrete foundation shall be included in the cost of the pedestrian push-button post.

Basis of Payment

This work will be paid for at the contract unit price each for PEDESTRIAN PUSH-BUTTON POST, TYPE II, which price shall include all labor, material, and equipment necessary to complete the work as specified.

handhole or gulfbox junction. Testing of the inductance shall also be done on the array of loops and the respective lead-in at the controller cabinet as they are grouped together on individual detector amplifiers. Testing shall include measurements of resistance, resistance to ground, inductance, and Q values. Documentation of all test results shall be left in the controller cabinet.

All modifications to the detector loop installation required by the test results shall be included in the cost of the detector loop, and no additional compensation will be allowed.

The size and number of turns for the detector loop shall be adjusted as directed by the Engineer.

Method of Measurement

This work will be measured for payment in feet in place. Type I detector loop will be measured along the sawed slot in the pavement containing the loop and lead-in, rather than the actual length of the wire. The wiring from the curb to the gulfbox junction or handhole will not be measured for payment.

Basis of Payment

This work will be paid for at the contract unit price per foot for DETECTOR LOOP, TYPE I, which price shall include all labor, equipment, and material necessary to complete the work as specified, including all testing.

LIGHT DETECTOR
LIGHT DETECTOR AMPLIFIER

Description

This work shall be performed in accordance with Section 887 of the Standard Specifications, the details in the plans, and the following additions or exceptions.

The emergency vehicle priority system shall be the Opticom Infrared System manufactured by Global Traffic Technologies. Opticom Model 722 bidirectional light detectors shall be provided. A bidirectional light detector shall be considered as one unit. The light detector amplifier shall be the Opticom Model 454 discriminator. The system shall be installed in accordance with the manufacturer's instructions. The system shall include an Opticom Model 760 card rack if input file space is not available.

Two confirmation beacons shall be installed with each bidirectional light detector. The mounting assembly shall accommodate the bidirectional light detector at the center of the assembly with one confirmation beacon on each side of the detector. Furnishing and installing the confirmation beacons and the mounting assembly shall be included in the cost of the light detector.

Basis of Payment

This work will be paid for at the contract unit price each for LIGHT DETECTOR or LIGHT DETECTOR AMPLIFIER, which prices shall include all labor, equipment, and material necessary to complete the work as specified.

REMOVE EXISTING HANDHOLE

Description

This work shall consist of the removal and disposal of existing handholes in accordance with Section 895 of the Standard Specifications and the following additions or exceptions.

After the existing sidewalk has been removed, the Contractor shall adjust the junction box to the appropriate elevation and slope to fit within the proposed sidewalk. If the existing junction box is damaged by the Contractor during this work, a new junction box of the same size and type shall be provided at the Contractor's expense.

Basis of Payment

This work will be paid for at the contract unit price each for JUNCTION BOX TO BE ADJUSTED, which price shall include all labor, equipment, and material necessary to complete the work as specified.

ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED

Description

This work shall consist of furnishing and installing electric cable in conduit in accordance with Section 873 of the Standard Specifications and the following additions or exceptions.

The electric cable shall service the light detectors. The cable shall be a continuous unbroken run from the light detector to the light detector amplifier. Splices in the cable are not allowed.

The electric cable shall be the Opticom Model 138 detector cable in accordance with the light detector manufacturer's specifications and requirements for warranty protection.

The electric cable shall be tagged with wiring identification markers at each point of access. All handholes, gulfbox junctions, pole handholes, and controller cabinets shall be considered as points of access. Wiring identification markers shall be in accordance with Article 1066.07 of the Standard Specifications.

Basis of Payment

This work will be paid for at the contract unit price per foot for ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED, which price shall include all labor, equipment, and material necessary to complete the work as specified.

ACCESSIBLE PEDESTRIAN SIGNALS
VIBROTACTILE FEATURE

Description

This work shall consist of furnishing and installing accessible pedestrian signals in accordance with BDE Special Provision 80099, the details in the plans, and the following additions or exceptions.

The pedestrian push-buttons shall be ADA audible pedestrian type push-buttons. The accessible pedestrian signal system shall be the latest version of the Navigator 2-Wire system manufactured by Polara Engineering, Inc. The size of the face plate shall be 5" x 7³/₄".

The pedestrian push-button station shall have a standard black finish.

Basis of Payment

This work will be paid for at the contract unit price each for ACCESSIBLE PEDESTRIAN SIGNALS and VIBROTACTILE FEATURE, which prices shall include all labor, equipment, and material necessary to complete the work as specified.

INDUCTIVE LOOP DETECTOR

Description

This work shall consist of furnishing and installing an inductive loop detector in accordance with Section 885 of the Standard Specifications and the following additions or exceptions.

The inductive loop detector shall be the card rack type. Independent units in individual housings shall not be permitted.

The inductive loop detector shall be capable of detecting motor vehicles and bicycles.

Basis of Payment

This work will be paid for at the contract unit price each for INDUCTIVE LOOP DETECTOR, RACK MOUNTED, which price shall include all labor, equipment, and material necessary to complete the work as specified.

If the detector unit has more than one complete detection channel, then each complete detection channel will be considered as a detector for payment.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

Description

This work shall be performed in accordance with Section 895 of the Standard Specifications, the details in the plans, and the following additions or exceptions.

The Contractor shall remove the existing traffic signal equipment at the intersection as shown on the plans. The Contractor shall remove the equipment in a workmanlike manner to avoid damaging, denting, or scratching the material. Any repair or touch-up required shall be performed by the Contractor using a method approved by the Engineer and at the Contractor's expense. The Contractor shall store and protect the existing equipment at a location designated by the Engineer for pick-up by the City's forces.

The electric cable that conflicts with the proposed improvements shall be removed as shown on the plans or directed by the Engineer. The electric cable that is removed shall not be reused. The electric cable that does not conflict with the proposed improvements shall be abandoned in place unless otherwise shown on the plans or directed by the Engineer.

The removal and disposal of existing electric cable will not be paid for separately but shall be included in the contract lump sum price of Remove Existing Traffic Signal Equipment, Special, and no additional compensation will be allowed.

Basis of Payment

The removal of existing traffic signal equipment will be paid for at the contract lump sum price for REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SPECIAL, which price shall include all labor, equipment, and material necessary to complete the work as specified. Removal of individual items will not be paid for separately.