



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 12, 2011

SUBJECT:

Downer's Place
Project BROS-00D1(768)
Section 07-00264-00-BR (Aurora)
Kane County
Contract No 63620
Item 41 B
September 23, 2011 Letting

TO PROSPECTIVE BIDDERS:

To clarify information it is necessary to revise the following:

Proposal: Revised pages 12, 13, 22 and 23 and added page 12A to the special provisions.

Plans: Revised sheets 3, 24, 62, 63, 110 and 111

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.

Since the proposal sheets are printed back to back, bidders are cautioned to exercise care when inserting revised and/or added special provisions into their proposals.

Please call 217-782-7806 if any of the above-described material is not included in this transmittal.

Very truly yours,

Scott Stitt
Acting Engineer of Design and Environment

A handwritten signature in cursive script, reading "Ted B. Walschleger" followed by the initials "P.E." to the right.

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

grade in accordance with applicable articles of Section 565 of the current Standard Specifications, "Standard Specifications for Water and Sewer Main Constructions in Illinois" latest edition, and according to the plans.

Method of Measurement: This work shall be measured per each.

Basis of Payment: This work will be paid for at the contract unit price per each for DOMESTIC WATER SERVICE BOXES ADJUSTED, which price shall include all materials, labor, and equipment necessary to perform the work as shown in the plans.

WATER MAIN

Description: This work shall be accomplished according the current Standard Specifications for Water and Sewer Main Construction in Illinois, City of Aurora Standard Specifications for Improvements, and Section 561 of the Standard Specifications, and shall consist of excavation; bracing; bedding and cover; pipe joint restraint; trench dewatering; trench backfilling with excavated materials; testing; disinfecting; finish grading; removal and disposal of waste excavated materials; protection; replacement or repair of existing utilities. All removal of existing fittings and installation of new fittings including reducers shall be considered included in this item of work. The water main shall be constructed of class 52 cement lined (ANSI A-21.4 / AWWA C-104) ductile iron pipe (ANSI 21.51/AWWA C151, PC350). All pipe and fittings shall be made in the USA.

Method of Measurement: This work shall be measured in place and measured per lineal foot.

Basis of Payment: This work will be paid for at the contract unit price per foot for WATER MAIN, of the diameter and material specified, which prices shall include all labor, equipment, excavation, backfill and removal of excess spoils, bedding and initial backfill, joint materials and restraints, pipe and fittings, hydrostatic tests, disinfection of the water main, and shall be measured for payment along the installed centerline of pipe. Trench Backfill will be paid for separately.

WATER MAIN ATTACHED TO STRUCTURE

Description: This work shall be accomplished according the current Standard Specifications for Water and Sewer Main Construction in Illinois, City of Aurora Standard Specifications for Improvements, and Section 561 of the Standard Specifications, and shall consist of hanging water main as detailed within the plans from the proposed structure; pipe joint restraint; insulation; testing; disinfecting; protection; replacement or repair of existing utilities. All removal of existing fittings and installation of new fittings including reducers shall be considered included in this item of work. The water main shall be constructed of class 52 cement lined (ANSI A-21.4 / AWWA C-104) ductile iron pipe (ANSI 21.51/AWWA C151, PC350). All pipe and fittings shall be made in the USA.

Ductile iron pipe bell restraint (mechanical joint) shall consist of a wedge action restraint ring on the spigot joined to a split ductile iron ring behind the bell. The split ring, restraint ring and its wedging components shall be made of minimum grade 65-45-12 ductile iron conforming to ASTM A536. The wedges shall be heat treated to a minimum hardness of 370 BHN. Torque limiting twist off nuts shall be used to insure proper actuation of the restraining wedges. The restraint devices shall be coated using a polyester based powder electrostatically applied and heat cured. The connecting tie rods that join the two rings shall be made of low alloy steel that conforms to ANSI/AWWA C111/A21.11. The assembly shall have a rated pressure with a minimum two to one safety factor of 350 PSI in the sixteen inch size and below 250 PSI in the eighteen through thirty-six inch sizes.

The insulation shall be a two part system consisting of 2" of Fiber Glass Pipe Insulation (ASTM C 547 Type I) and Weather Protective Insulation Jacket (ASTM C1136). The Insulation system shall be submitted to the engineer for approval prior to installation.

Method of Measurement: This work shall be measured in place and measured per lineal foot.

Basis of Payment: This work will be paid for at the contract unit price per foot for WATER MAIN ATTACHED TO STRUCTURE, of the diameter and material specified, which prices shall include all labor, equipment, joint materials and restraints, pipe and fittings, insulation, hydrostatic tests, disinfection of the water main, and shall be measured for payment along the installed centerline of pipe. Pipe hangers will be included in CONCRETE SUPERSTRUCTURES.

12" VALVES IN VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID

Description: This work shall be accomplished according to the current Standard Specifications for Water and Sewer Main Construction in Illinois and City of Aurora Standard Specifications for Improvements and shall consist of the installation of all main line valves within precast concrete vaults as detailed within plans including joint restraints; flexible watertight pipe to vault seals; steps; adjusting rings; frames and covers.

Method of Measurement: This work shall be measured per each.

Basis of Payment: This work will be paid for at the contract unit price per each for 12" VALVES IN VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID which price shall include all labor, material and equipment necessary to perform the work.

LINE STOP VALVES 12" IN VALVE VAULTS, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID

Description: This work shall be accomplished according to the current Standard Specifications for Water and Sewer Main Construction in Illinois and City of Aurora Standard Specifications for Improvements.

Line stop valves shall only be utilized where shown in the plans or upon the direction of the Engineer where water main cannot be shutdown.

Line stop valves shall be suitable for ordinary water works service, intended to be installed in a normal position on buried pipe lines for water distribution systems.

Line stop valves shall be Hydra-Stop®, or approved equal, and shall be installed per manufacturer's specifications. The Contractor shall provide the Engineer with manufacturer's drawings illustrating and describing the fittings proposed to be furnished.

The Contractor shall expose the water main at the location of the line stop to confirm the size, type, and condition of piping present. The Contractor shall obtain the necessary materials

construct and erect the completed railing as specified on the plans and as specified herein. The line and grade of the railing shall be true to that shown on the plans and not follow any defects in the superstructure. Railing posts shall be vertical. Tops of railings shall be parallel to the grade line.

Materials: Materials shall meet the applicable requirements of Section 509 of the Standard Specifications. All steel shall conform to the requirements of AASHTO M 270 Grade 36.

Construction: This item shall meet the applicable construction requirements of Article 509.03 of the Standard Specifications except all posts, railings, pickets, splices and anchor devices shall be powder coated black. The powder coating system to be used shall be approved by the Engineer prior to the coating process. The Contractor shall submit to the engineer for approval a sample of the final powder coat finish.

Method of Measurement: Railing will be measured in feet. The length paid for will be the overall length along the top longitudinal railing through all posts and gaps.

Basis of Payment: Railing will be paid for at the contract unit price per foot for PEDESTRIAN RAIL (SPECIAL), which price shall include all materials, fabrication, transportation, erection, cleaning and painting.

UTILITY HANGER

Description: This item shall include the furnishing of all materials and the necessary labor to construct and erect the utility hangers as specified on the plans and as specified herein.

Manufacture shall be Unistrut or approved equal. Materials for the approved equal shall be in accordance with the table below.

Item	Description
Unistrut P3259-WC-SS	Type 304 Stainless steel 1 5/8" x 1 3/8" channel, 4' long with closure strip, end caps, and back plates. Maximum allowable point load of 2,000 lbs and maximum allowable uniform load of 2,000 lbs/ft.
Unistrut P1012S-SS	Type 304 Stainless steel 5/8" spring nut, No. 11 thread, with spring.
Unistrut P1024S-SS	Type 304 Stainless steel 7/8" nut, No. 9 thread, with spring.
Unistrut HTHR062-SS	Type 304 Stainless steel threaded rod, 5/8" diameter. Specified minimum yield stress, Fy=36,000 psi min. Nominal tensile strength, Ft=58,000 psi min.
Unistrut HTHR087-SS	Type 304 Stainless steel threaded rod, 7/8" diameter. Specified minimum yield stress, Fy=36,000 psi min. Nominal tensile strength, Ft=58,000 psi min.
Unistrut P1121-SS	Type 304 Stainless steel pipe clamp for conduit size 4", outside diameter of 4.5". Thickness gauge of 11 mm. Design load of 1,000 lbs.

Unistrut P1123-SS	Type 304 Stainless steel pipe clamp for conduit size 5", outside diameter of 5.563". Thickness gauge of 11 mm. Design load of 1,000 lbs.
Unistrut P1000-SS	Type 304 Stainless steel 1 5/8" x 1 5/8" channel, 12 gauge nominal thickness (.105"). Allowable moment 5,070 in-lbs. Wt/100 ft. = 189 lbs.
Two rod roller hanger	Hot dipped galvanized cast iron pipe roller and two cast iron sockets for 12" ID DIP water main and insulation spacer. Working load limits of 3,100 lbs.

Method of Measurement: Utility hangers will not be measured for payment.

Basis of Payment:

This work will not be paid separately, and shall be included in the unit price for CONCRETE SUPERSTRUCTURE, which price shall be full compensation for all labor, equipment and materials required for performing the work as herein specified and detailed on the plans.

DRAINAGE SCUPPER

Description: This work shall consist of furnishing and installing Drainage Scuppers as detailed in the plans.

Method of Measurement: This work shall be measured per each.

Basis of Payment: This work will be a paid for at the contract unit price per EACH for DRAINAGE SCUPPER, of the specified size, which price shall include all materials, labor, and equipment necessary to perform the work as detailed in the plans.

ORNAMENTAL LIGHT UNIT, COMPLETE

Description: This work shall consist of furnishing and installing complete lighting units including luminaires, arms, pole, lamps, receptacle, splices, fuses, fuse holders, and wiring in accordance with the applicable portions of Sections 821, 830, 1065, 1066 and 1067 of the Standard Specifications, manufacturer's specifications, and the details in the plans.

Manufacturer shall be Sentry Electric LLC or approved equal.

Pole shall conform to ASTM A48, Class 30 cast iron, specifically shaped and decorated with custom intricacies according to the details shown on the drawings to emulate a vintage look which matches existing poles used in the City of Aurora. Pole shall have hand hole for accessing fuses and wiring. Pole shall have a 15A GFIC receptacle at the top with NEMA 3R while-in-use cover. Crossarm shall be mounted to pole with a tenon. Receptacles, handholes and access panels shall be mounted on the same side of the pole. Access cover shall have smooth, flat space on the backside for applying identification label. Access doors (2) in the base (minimum 6" x 8" opening) and (1) hinged access door in the column (minimum 4" x 8"