



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 6, 2021

SUBJECT: Route FAU 1509 (North Aurora Road)
Section 08-00140-00-PV (Naperville)
DuPage County
Contract No. 61G19
Item 142
January 15, 2021 Letting
Addendum B

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

- 1. Revised the Schedule of Prices.**
- 2. Revised sheets 8, 19, 98 & 113 of the Plans.**
- 3. Revised pages 17, 78, 79, 80, 84, 88, 95 & 96 of the Special Provisions.**

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

Very truly yours,

A handwritten signature in black ink, appearing to read 'Jack A. Elston'.

Jack A. Elston, P.E.
Bureau Chief, Design and Environment

When use of the temporary access is discontinued, the aggregate shall be removed and utilized in the permanent construction or disposed of according to Article 202.03.”

Add the following to Article 402.12 of the Standard Specifications:

“Aggregate surface course for temporary access will be measured for payment as each for every private entrance, commercial entrance or road constructed for the purpose of temporary access. If a residential drive, commercial entrance, or road is to be constructed under multiple stages, the aggregate needed to construct the second or subsequent stages will not be measured for payment but shall be included in the cost per each of the type specified.”

Revise the second paragraph of Article 402.13 of the Standard Specifications to read:

“Aggregate surface course for temporary access will be paid for at the contract unit price per each for TEMPORARY ACCESS (PRIVATE ENTRANCE), TEMPORARY ACCESS (COMMERCIAL ENTRANCE) or TEMPORARY ACCESS (ROAD).

Partial payment of the each amount bid for temporary access, of the type specified, will be paid according to the following schedule:

Upon construction of the temporary access, sixty percent of the contract unit price per each, of the type constructed, will be paid.

Subject to the approval of the Engineer for the adequate maintenance and removal of the temporary access, the remaining forty percent of the pay item will be paid upon the permanent removal of the temporary access.”

STORM SEWER ADJACENT TO OR CROSSING WATER MAIN

Effective: February 1, 1996

Revised: January 1, 2007

Description. This work consists of constructing storm sewer adjacent to or crossing a water main, at the locations shown on the plans. The material and installation requirements shall be according to the latest edition of the “Standard Specifications for Water and Sewer Main Construction in Illinois”, and the applicable portions of Section 550 of the Standard Specifications; which may include concrete collars and encasing pipe with seals if required.

Materials. Pipe materials shall meet the requirements of Sections 40 and 41-2.01 of the “Standard Specifications for Water and Sewer Main Construction in Illinois”, except PVC pipe will not be allowed. Ductile-Iron pipe shall meet the minimum requirements for Thickness Class 50. When a round size equivalent is specified, only a reinforced concrete arch pipe or reinforced concrete elliptical pipe will be permitted.

Encasing of standard type storm sewer, according to the details for “Water and Sewer Separation Requirements (Vertical Separation)” in the “STANDARD DRAWINGS” Division of the “Standard Specifications for Water and Sewer Main Construction in Illinois”, may be used for storm sewers crossing water mains.

Basis of Payment. This work will be paid for at the contract unit price per each for PRECAST CONCRETE JUNCTION CHAMBER, which price shall include all excavation and backfill (except excavation in rock) and furnishing and installing the specified frames and grates or lids, steps, precast concrete risers, sand cushion, porous granular backfill, temporary soil retention system if required, and the entire structure complete in place.

EXPLORATION EXCAVATION (UTILITY)

Description. This item shall consist of locating any existing underground utility found in the construction stage JULIE locate that is in close proximity of proposed noise wall drilled shaft foundations, proposed signal foundations or proposed light pole foundations using the hydro excavating method.

Construction Requirements. Where directed by the engineer, the contractor shall locate the outer edge of the utility using a hydro excavation method. The contractor shall use a 6" suction line for the removal of excavated material. The contractor shall be responsible for all water usage and disposing of the excavated material. Contractor shall be responsible for replacing excavated soil in hole if excavation is outside the limits of the 24" diameter augured foundation hole. Any existing utilities damaged during excavation operations shall be repaired or replaced at the contractor's expense, no additional compensation shall be allowed.

Basis of Payment. This work will be measured per vertical foot excavated, regardless of the soil composition, depth or diameter of hole that is required to verify existing utility location. This work shall be paid for at the contract unit price per Foot for EXPLORATION EXCAVATION (UTILITY), which shall be payment in full for all work listed herein or as directed by the Engineer.

MANHOLES, TYPE A, 6'-DIA, WITH 2 TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PLATE

Description. This work shall consist of constructing a Type A manhole of the diameter specified with restrictor in accordance with Sections 602 and 1006 of the Standard Specifications and the plans and/or as directed by the Engineer.

Construction Requirements. Construction shall conform to the details shown in the plans, all applicable Standard Drawings, and all applicable portions of Sections 602 and 1006 of the Standard Specifications.

Method of Measurement. This work will be measured for payment, complete in place and accepted, in units of EACH.

Basis of Payment. This work will be paid for at the contract unit price per EACH for MANHOLES, TYPE A, 6' DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE installed. Price shall include but not be limited to all frames, grates, lids, sand cushion, steps, 6" concrete wall, flat slab tops, all excavation and backfilling, and all other labor, materials, and equipment needed to perform the work as specified herein.

MANHOLES, TYPE A, 7' OR 8'-DIA, WITH TYPE 11V FRAME AND GRATE

Description. This work shall consist of constructing a Type A manhole of the diameter specified with restrictor in accordance with Sections 602 and 1006 of the Standard Specifications and the plans and/or as directed by the Engineer.

Construction Requirements. Construction shall conform to the details shown in the plans, all applicable Standard Drawings, and all applicable portions of Sections 602 and 1006 of the Standard Specifications.

Method of Measurement. This work will be measured for payment, complete in place and accepted, in units of EACH.

Basis of Payment. This work will be paid for at the contract unit price per EACH for MANHOLES, TYPE A, 7 or 8' DIAMETER, WITH TYPE 11V FRAME AND GRATE installed. Price shall include but not be limited to all frames, grates, lids, sand cushion, steps, 6" concrete wall, flat slab tops, all excavation and backfilling, and all other labor, materials, and equipment needed to perform the work as specified herein.

MANHOLES, TYPE A, 10'-DIA, WITH TYPE 1 FRAME, CLOSED LID

Description. This work shall consist of constructing a Type A manhole of the diameter specified in accordance with Sections 602 and 1006 of the Standard Specifications and the plans and/or as directed by the Engineer.

Construction Requirements. Construction shall conform to the details shown in the plans, all applicable Standard Drawings, and all applicable portions of Sections 602 and 1006 of the Standard Specifications.

Method of Measurement. This work will be measured for payment, complete in place and accepted, in units of EACH.

Basis of Payment. This work will be paid for at the contract unit price per EACH for MANHOLES, TYPE A, 10' DIAMETER, WITH TYPE 1 FRAME, CLOSED LID installed. Price shall include but not be limited to all frames, grates, lids, sand cushion, steps, 6" concrete wall, flat slab tops, all excavation and backfilling, and all other labor, materials, and equipment needed to perform the work as specified herein.

MANHOLES, TYPE A, 10'-DIA, WITH 2 TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PLATE

Description. This work shall consist of constructing a Type A manhole of the diameter specified in accordance with Sections 602 and 1006 of the Standard Specifications and the plans and/or as directed by the Engineer.

Construction Requirements. Construction shall conform to the details shown in the plans, all applicable Standard Drawings, and all applicable portions of Sections 602 and 1006 of the Standard Specifications.

Method of Measurement. This work will be measured for payment, complete in place and accepted, in units of EACH.

Basis of Payment. This work will be paid for at the contract unit price per EACH for MANHOLES, TYPE A, 10' DIAMETER, WITH 2 TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PLATE installed. Price shall include but not be limited to all frames, grates, lids, sand cushion, steps, 6" concrete wall, flat slab tops, all excavation and backfilling, and all other labor, materials, and equipment needed to perform the work as specified herein.

STEEL POLE REMOVAL

Description. This work shall consist of removing and disposing of an existing metal pole and foundation as shown on the plans and as directed by the Engineer.

Basis of Payment. This work will be measured and paid for at the contract unit price per EACH for STEEL POLE REMOVAL, which payment shall constitute full compensation for all labor, materials, equipment, tools and incidentals necessary to complete this item as specified.

ANTI-GRAFFITI PROTECTION SYSTEM

Description. This work shall consist of the furnishing and application of an anti-graffiti coating to exposed concrete surfaces designated on the plans.

General Requirements. Product features shall include: Zero VOC, 10 year unlimited warranty for graffiti removals, binary prime coat, non-yellowing, non-chalking and breathable.

The anti-graffiti coating shall consist of a permanent, color stable, UV, stain, chemical and abrasion resistant coating. The removal of graffiti from the protected surfaces shall be accomplished by applying a separate removal agent as recommended by the manufacturer of the permanent coating. The removal agent shall have the capability of completely removing all types of paints and stains. After graffiti removal there shall be no damage to the anti-graffiti coating or the surface to which it is applied. Additionally, there shall be no evidence of ghosting, shadowing, or staining of the protected surface.

Qualifications. The anti-graffiti coating shall be a product that has been commercially available for a period of at least five (5) years. Contractor shall apply the material to a test patch following the manufacturer's recommendation. After the manufacturer's recommended curing period, the Engineer will apply various types of graffiti materials to the coating. After three (3) days the removal agent shall be used to remove the graffiti. If after graffiti removal the anti-graffiti coating is clean and undamaged, with no evidence of ghosting, shadowing or staining, then the anti-graffiti coating is approved for use.

Surface Preparation. Prior to application of the anti-graffiti coating, all designated surfaces shall be cleaned of loose debris, previous coatings (except staining) and all foreign matter by a method as recommended by the coating manufacturer and approved by the Engineer. All surfaces shall be thoroughly clean, dry and free of dust that might prevent penetration of the coating. New concrete should be thoroughly cured before application of the coating. Glossy, glazed and slick troweled surfaces of unstained concrete should be lightly etched or abraded

A resilient, flexible, non-hardening, preformed bituminous mastic material, Conseal 102 B, shall be used between the cone or top barrel section of the structure and the adjusting rings. A thick bead of non-hardening elastomeric joint conforming to ASTM C-920, Type S, Grade NS, shall be applied between all individual rings, and between the adjusting rings and the frame. The sealant or mastic material shall be applied in such a manner that no surface water or ground water inflow can enter the structure.

All storm sewer structure frames without inside flanges shall be shaped with hydraulic cement or elastomeric joint sealant to form a fillet to the structure or adjusting rings and to maintain watertightness.

Basis of Payment. This item of work will be measured and paid for at the contract unit price per each for CATCH BASINS TO BE ADJUSTED, MANHOLES TO BE ADJUSTED, INLETS TO BE ADJUSTED, or VALVE VAULTS TO BE ADJUSTED, with new frame and grate, if specified.

DUCTILE IRON WATER MAIN (NAPERVILLE)

Description. The Contractor shall furnish and install the proposed water main of the diameter specified at the locations shown on the plans. The water main shall include excavation, granular CA-11 bedding, installation of the water main, iron fittings, restraint devices, polyethylene wrap, testing and chlorination of the water main, backfill and compaction of the trench, topsoil replacement and all incidental items required for a complete and operational water main. Granular material for trench backfill under paved areas shall be paid for separately.

In areas where existing water main requires removal to install piping, the contractor shall be responsible for removal of water main to 6-feet below grade as shown on plans. Any existing pipeline that have a portion of the pipe removed and are to remain in service shall be properly restrained with thrust block to prevent movement of the remaining pipe. This work shall be considered incidental to new water main installation.

Water main pipe shall be Class 52 ductile iron pipe, 250 pressure class minimum, conforming to ANSI/AWWA C151/A21.51-02 (or latest edition).

All ductile iron pipe and/or fittings shall have an interior cement mortar lining and bituminous seal coat conforming to the requirements of ANSI/AWWA C104/A21.4-03 (or latest edition).

Joints for water main shall be rubber push-on joints or mechanical joints, conforming to ANSI/AWWA C111/A21.11-07 (or latest edition).

Stainless steel nuts, bolts/T-bolts, and washers, Type 304 or better, will be required on all water main installations. This would apply to hydrants, tapping sleeves, valves, fittings, restraint, and other appurtenances buried or in valve vaults. Mechanical joints and restraint glands require 304 stainless steel T-bolts. An anti-seize compound shall be factory applied to nuts or bolts – any damage to this coating shall be repaired with field applied anti-seize compound that is a molybdenum-base lubricant, Bostik Never-Seez.

Push-on Joints

Sections of water main pipe shall be connected by means of push on joints, consisting of bells cast integrally with the pipe, which have interior angular recesses conforming to the shape and dimension of a rubber sealing gasket. The interior dimensions of which is such that it will admit

and shall be glycerin or oil filled, with a range of not more than 200 psi and increments not greater than 5 psi, 4" minimum dial size.

When pressure and leakage tests are completed and prior to being placed into service, the water main pipe and appurtenances shall be disinfected by a method of chlorination approved by the Engineer. Disinfection of the water main shall conform to Sections 41 2.15 through 41 2.15l of the "Standard Specifications for Water and Sewer Main Construction in Illinois," Seventh Edition.

Any defects, cracks or leakage that may develop or may be discovered, either in the joints or in the body of the castings, shall be promptly repaired by the Contractor at his own expense.

Method of Measurement. Water main (of the diameters specified) will be measured by the lineal foot in place. Water mains shall be measured along the centerline of the water main from the center of the valve to the center of the valve, fittings, or end of pipe. CA-6 Granular material for trench backfill shall be measured and paid for separately as TRENCH BACKFILL.

Basis of Payment. Payment for water main shall be made at the contract unit price per foot for DUCTILE IRON WATER MAIN, of the size specified, Payment shall be full compensation for excavation, bedding, polyethylene wrap, iron fittings, installation of water main, restraint devices, backfill compaction, connection to existing water main, pressure testing, taps, chlorination, bacteriological sampling/testing and all labor materials, equipment and incidentals as shown on the plans and as specified herein to construct a complete and operational water main.

WATER MAIN CONNECTIONS (NAPERVILLE)

Description. This work shall consist of connecting newly installed water main to existing water main with the use of pressure taps, cut-in sleeves, tees, crosses or other fittings as needed at the locations shown on the plans or as directed by the engineer. This work shall include the preparation, excavation, backfill and installation of all fittings, tees, retainer glands, thrust blocking, flushing, chlorinating and testing necessary to provide a complete connection.

Where existing water mains are to be abandoned in place, the main shall be cut and capped in the general area indicated in the plans. The portion of the water main that is to remain live shall be capped with a mechanical plug and restrained with concrete thrust blocks. The portion of the water main that is to be abandoned in place shall be capped with a mechanical plug. Cutting, capping, and abandoning the existing water main will not be paid for separately, but shall be included in the cost of CONNECTION TO EXISTING WATER MAIN, of the size specified.

The use of stainless steel or ductile iron tapping sleeves will not be permitted. Work to remove a portion of 12" ductile iron pipe and install the tee shall be considered included in the cost of DUCTILE IRON WATER MAIN TEES, of the size specified.

For flushing purposes, Contractor shall assume a 2" corporation stop and 2" copper service whip will be installed at each connection point. The final location of these taps will be determined during construction. Whips shall be removed prior to final acceptance. This work will not be paid for separately, but shall be considered included in the cost of each water main connection.

Materials. All sanitary sewer pipe materials shall conform to the latest applicable ANSI, ASTM, AWWA, AASHTO, or other nationally accepted standards. Ductile-Iron pipe shall meet the minimum requirements for Thickness Class 50.

The name of the manufacturer, class and date of issue shall be clearly identified on all sections of pipe. The contractor shall also submit bills of loading, or other quality assurance documentation when requested by the Engineer.

All sanitary sewer pipes will be bedded in select granular material conforming to the gradation of CA 7.

All trenches for sanitary sewers falling under or within five (5) feet of proposed or existing paved surfaces, or structures shall be backfilled with trench backfill.

Method of Measurement and Basis of Payment. This work will be measured and paid for at the contract unit price per foot for SANITARY SEWER, DUCTILE IRON, 8”.

SANITARY SEWER REMOVAL

Description: This work shall consist of removing the existing 8” sanitary sewer as shown in the plans and as directed by the Engineer.

Basis of Payment: This work shall be measured and paid for at the contract unit price per foot for SANITARY SEWER REMOVAL 8”. This item shall include all necessary labor, material, excavation and equipment necessary to complete the work.

SANITARY MANHOLES TO BE ADJUSTED

Description: This work shall consist of adjusting (depth of repair \leq 2 feet) existing sanitary manholes to meet final grade elevations.

General: This work shall be performed according to Section 602 of the Standard Specifications and the following:

The frame shall be set in an “Easy Stick” mastic bed and Contractor shall fill all voids between the cast iron frame and concrete manhole with mastic to provide a watertight seal. Adjusting rings 2” or greater shall be precast concrete, rings less than 2” shall be HDPE in accordance with IDOT Section 1043. All castings shall be set flush with pavement or surrounding surface.

Basis of Payment. This work shall be paid for at the contract unit price per each for SANITARY MANHOLES TO BE ADJUSTED. The unit price shall include all materials, labor and equipment necessary to adjust the sanitary manhole complete in place.

SANITARY SEWER BYPASS PUMPING

Description. The contractor shall include in their bid all associated bypass pumping of existing sanitary flows in order to install the work as shown. Sewage flow shall be maintained throughout the project in order to prevent any sewer backup. Sewage shall not be allowed to flow into the excavated trenches. Contractor will not be allowed to cut into existing sanitary lines during wet weather flow.

General. A minimum of three weeks prior to installation, the Contractor shall coordinate with the City to provide general public notice of the work to be done.

Public advisory services will be required to notify all parties whose service laterals will be out of commission and to advise against water usage until the mainline is back in service. This is the responsibility of the Contractor.

Written notices must be approved by the City Representative prior to publication, and must contain specific information as to when the service disruption will begin and end.

No customer shall be deprived of sanitary sewer service for more than twelve consecutive hours. If service disruption exceeds twelve hours, the Contractor may, with prior approval by the City Representative, excavate the service lateral to facilitate bypass pumping, or may pay for temporary lodging for the affected customer.

The Contractor shall assume responsibility for any damage to private property resulting from failure to provide adequate bypass pumping services. Excavation of service laterals for the purpose of bypass pumping, as well as restoration of excavated laterals, shall be considered incidental to the contract, and shall be done at no additional charge to the City.

The Contractor shall submit a bypass pumping plan to the City Representative for review and approval. Contractor shall not begin set-up work until the City Representative has given written approval of the bypass plan. The bypass plan shall be submitted at the time of, or prior to the pre-construction meeting.

The bypass pumping plan shall include the use of spill containment berms or other devices designed to capture sewage and/or fuel that leaks from bypass pumps and/or conduits.

If bypassing of the flow is required around the sections of pipe designated for rehabilitation, the bypass shall be made by plugging the line at a point upstream of the pipe to be rehabilitated and pumping the flow to a downstream point or adjacent system. The pump and bypass lines shall be of adequate capacity and size to handle the flow. Bypass pumping is considered incidental to the contract, and shall be performed as needed at no additional cost to the City.

All pumps used for bypass pumping shall be equipped with silencer enclosures. Noise levels from pumps shall not exceed 69 db at a distance of 30'.