



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 29, 2018

SUBJECT: FAI Route 90/94/290 (I-90/94/290)  
Project NHPP-ZEC3(030)  
Section 2014-005R&B  
Cook County  
Contract No. 60X79  
Item No. 3, November 9, 2018 Letting  
Addendum A

## 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 page vii of the Table of Contents to the Special Provisions
3. Revised pages 341-344 of the Special Provisions
4. Added pages 538-541 to the Special Provisions
5. Revised sheets 8, 10, 15, 230, 406, 409, 416, 417, 419, 422, 441, 443, 459, 461, 479, 481, 486, 487, 495, 497, 502, 503, 513, 524, 533 and 540 of the Plans
6. Added the EPA 663 forms to the Additional Information folder on the website

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,

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

A handwritten signature in black ink, reading "Ted B. Walschleger P.E.".

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

cc: Anthony Quigley, Region 1, District 1; Tim Kell; D. Carl Puzey; Estimates

MS/kf

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The Contractor shall submit to the Engineer a proposed construction sequence for approval prior to the beginning of this work. The submittal shall include the methods and equipment used in accomplishing the work.

**Method of Measurement.** The Contractor shall provide equipment, labor and materials as required to install drilled shafts, micro-piles and/or drilled steel piles at the locations shown on the drawings. Where man-made obstructions are encountered, as determined by the Engineer, the Contractor will be paid the unit price per each for each proposed shaft, micro-pile and/or drilled steel pile affected by obstructions, in addition to the applicable pay items for Drilled Shaft, Micro-Piles and/or Drilled Steel Pile as specified elsewhere.

**Basis of Payment.** The drilling of foundations through obstructions as described above will be paid for at the contract unit bid price per each proposed shaft, micro-pile and/or drilled steel pile affected for FOUNDATION CONSTRUCTION AT EXISTING OBSTRUCTIONS.

### **BOX CULVERT REMOVAL**

**Description:** Work under this item shall consist of removing the existing 5' diameter abandoned CTA water tunnel at the locations shown in the plans in accordance with the applicable portions of Section 551 of the Standard Specifications.

**General:** Excavation of trenches shall be performed according to the applicable requirements of Article 550.04 and the special provision for STORM SEWERS. Backfill of trenches shall be performed according to the applicable requirements of Article 550.07 and the special provision for STORM SEWERS.

**Method of Measurement.** This work will be measured for payment in feet along the invert of the tunnel.

Trench backfill will be measured for payment according to Article 551.05 of the Standard Specifications.

**Basis of Payment.** This work will be paid for at the contract unit price per foot for BOX CULVERT REMOVAL.

Trench Backfill will be paid for according to Article 208.04 of the Standard Specifications.

### **JUNCTION CHAMBER NO. 1**

Work under this item shall be performed in accordance with the applicable portions of Section 503 of the Standard Specifications and the plans except as herein modified.

**Description:** This work shall consist of constructing cast-in-place Portland Cement Concrete Junction Chamber No. 1 at the location shown on the Plans. The junction chamber shall be water proofed in accordance with Article 503.18.

Revised 10/29/18

**General Requirements:** The structure shall be constructed at the line and grade shown on the plans or as such may be revised to match the existing sewers at this location. The work shall include forming, furnishing and placement of Portland Cement Concrete and reinforcing steel as required to construct the junction chamber as shown on the plans. This work shall not include the excavation and sheeting. The frame and grate/lid shall be included in the cost of the work.

Due to the presence of ground water and possible saturated conditions within the limits of construction, it will be necessary for the Contractor to use either sheet piling or sophisticated dewatering methods with specially constructed "sand box" or timber sheeting system. The Contractor shall investigate the soil conditions prior to commencement of construction to determine if the soils are able to be dewatered. Trenches shall be dewatered to a level 2 feet below the bottom of the excavation. The Contractor shall submit method of dewatering and design calculations and construction sequencing for all sheet piling. Dewatering and/or sheet piling shall not be paid for separately but shall be included in the cost of construction for Junction Chamber No. 1.

Prior to starting work on the junction chamber, the Contractor shall submit a detailed construction procedure to the Engineer for approval that shall address the following:

- Exact location and conditions of existing sewers and interceptors.
- Temporary bulkheads, weirs, and dams.
- Protection of workers and the work during periods of heavy rainfall and potential flooding and accommodation of work to various flow levels in various CDWM and MWRDGC owned sewers.
- Maintenance of flow.
- Maintenance and protection of utilities adjacent to the proposed structure.
- Groundwater and seepage control.
- Spoil disposal.
- Screening method to prevent debris from entering the sewer system.
- Sequence of work and schedule.

Concrete shall be 3,500 psi Class SI as described in Article 1020.04, Table 1 of the Standard Specifications.

The junction chamber shall be cleaned of any accumulation of silt, debris, or foreign material prior to inspection and shall be free of such accumulation at the time of final inspection.

Construction requirements for excavation and backfill shall follow the special provision for STORM SEWERS JACKED IN PLACE.

**Method of Measurement:** This work shall be measured for payment on a per each basis for the completed JUNCTION CHAMBER NO. 1.

Revised 10/29/18

**Basis of Payment:** The work shall be paid for at the contract unit price per each for JUNCTION CHAMBER NO. 1. The contract unit price shall include the costs for all work, including but not limited to the cost of labor, equipment, materials, supplies, granular bedding, bulkheads, backfill, and removal and disposal of any miscellaneous abandoned structures required to construct the item as shown on the plans. Any dewatering, sheeting and shoring required to do the work as specified shall be included in the contract price of TEMPORARY SOIL RETENTION SYSTEM (SPECIAL).

## **JUNCTION CHAMBER NO. 2**

Work under this item shall be performed in accordance with the applicable portions of Section 503 of the Standard Specifications and the plans except as herein modified.

**Description:** This work shall consist of constructing cast-in-place Portland Cement Concrete Junction Chamber No. 2 at the location shown on the Plans. The junction chamber shall be water proofed in accordance with Article 503.18.

**General Requirements:** The structure shall be constructed at the line and grade shown on the plans or as such may be revised to match the existing sewers at this location. The work shall include forming, furnishing and placement of Portland Cement Concrete and reinforcing steel as required to construct the junction chamber as shown on the plans. This work shall not include the excavation and sheeting. The frame and grate/lid shall be included in the cost of the work.

Due to the presence of ground water and possible saturated conditions within the limits of construction, it will be necessary for the Contractor to use either sheet piling or sophisticated dewatering methods with specially constructed "sand box" or timber sheeting system. The Contractor shall investigate the soil conditions prior to commencement of construction to determine if the soils are able to be dewatered. Trenches shall be dewatered to a level 2 feet below the bottom of the excavation. The Contractor shall submit method of dewatering and design calculations and construction sequencing for all sheet piling. Dewatering and/or sheet piling shall not be paid for separately but shall be included in the cost of construction for Junction Chamber No. 2.

Prior to starting work on the junction chamber, the Contractor shall submit a detailed construction procedure to the Engineer for approval that shall address the following:

- Exact location and conditions of existing sewers and interceptors.
- Temporary bulkheads, weirs, and dams.
- Protection of workers and the work during periods of heavy rainfall and potential flooding and accommodation of work to various flow levels in various CDWM and MWRDGC owned sewers.
- Maintenance of flow.
- Maintenance and protection of utilities adjacent to the proposed structure.
- Groundwater and seepage control.
- Spoil disposal.
- Screening method to prevent debris from entering the sewer system.
- Sequence of work and schedule.

Revised 10/29/18

Concrete shall be 3,500 psi Class SI as described in Article 1020.04, Table 1 of the Standard Specifications.

The junction chamber shall be cleaned of any accumulation of silt, debris, or foreign material prior to inspection and shall be free of such accumulation at the time of final inspection.

Construction requirements for excavation and backfill shall follow the special provision for STORM SEWERS JACKED IN PLACE.

**Method of Measurement:** This work shall be measured for payment on a per each basis for the completed JUNCTION CHAMBER NO. 2.

**Basis of Payment:** The work shall be paid for at the contract unit price per each for JUNCTION CHAMBER NO. 2. The contract unit price shall include the costs for all work, including but not limited to the cost of labor, equipment, materials, supplies, granular bedding, bulkheads, backfill, and removal and disposal of any miscellaneous abandoned structures required to construct the item as shown on the plans. Any dewatering, sheeting and shoring required to do the work as specified shall be included in the contract price of TEMPORARY SOIL RETENTION SYSTEM.

#### **CONCRETE BARRIER BASE (SPECIAL)**

**Description.** This work shall consist of constructing a concrete barrier base with reinforcement bars below a concrete barrier wall as detailed in the plans.

**Construction Requirements.** This work shall be done in accordance with the applicable portions of Section 637 of the Standard Specifications. The concrete barrier base shall be constructed as detailed in the plans. The concrete barrier wall shall be constructed separately and not poured monolithically with the concrete barrier base.

**Method of Measurement.** CONCRETE BARRIER BASE (SPECIAL) per the number indicated on plans will be measured for payment in feet in place along the centerline of the barrier base. The concrete barrier wall of the type specified will be paid for separately according to the special provision for CONCRETE BARRIER.

**Basis of Payment.** This work will be paid for at the contract unit price per foot for CONCRETE BARRIER BASE (SPECIAL) per the number indicated on plans, which price shall include all equipment, labor, and materials necessary to construct the concrete barrier base including all reinforcement bars in the concrete barrier base and those extending into the concrete barrier wall or concrete barrier transition, and epoxy coated tie bars.

Revised 10/29/18

## REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES

This work shall be according to Article 669 of the Standard Specifications and the following:

**Qualifications.** The term environmental firm shall mean an environmental firm with at least five (5) documented leaking underground storage tank (LUST) cleanups or that is pre-qualified in hazardous waste by the Department. Documentation includes but not limited to verifying remediation and special waste operations for sites contaminated with gasoline, diesel, or waste oil in accordance with all Federal, State, or local regulatory requirements and shall be provided to the Engineer for approval. The environmental firm selected shall not be a former or current consultant or have any ties with any of the properties contained within and/or adjacent to this construction project.

**General.** This Special Provision will likely require the Contractor to subcontract for the execution of certain activities.

All contaminated materials shall be managed as either “uncontaminated soil” or non-special waste. This work shall include monitoring and potential sampling, analytical testing, and management of a material contaminated by regulated substances. The Environmental Firm shall continuously monitor all soil excavation for worker protection and soil contamination. **Phase I Preliminary Engineering information is available through the District’s Environmental Studies Unit.** Soil samples or analysis without the approval of the Engineer will be at no additional cost to the Department. The lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit whichever is less.

The Contractor shall manage any excavated soils and sediment within the following areas:

Site 2615V-01: I-90/I-94, I-90/I-94 between Grand Avenue and W. 14th Street, Chicago, Cook County

- Station 6333+35 to 6335+10 (CL NB C-D Road), 0 to 40 feet LT, and 0 to 75 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Lead, and Manganese.
- Station 6335+10 to 6336+00 (CL NB C-D Road), 0 to 25 feet LT, and 0 to 50 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameters: Benzo(a)pyrene, Benzo(b)fluoranthene, and Manganese.
- Station 6336+00 to 6337+40 (CL NB C-D Road), 0 to 30 feet LT, and 0 to 70 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(1). Contaminants of concern sampling parameters: Manganese.

Added 10/29/18

Site 2615V-118: IDOT ROW, 400-1600 blocks of I-290, Chicago, Cook County

- Station 5150+75 to 5154+30 (CL EB I-290/Congress Parkway), 0 to 105 feet LT, and 0 to 150 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(1). Contaminants of concern sampling parameter: Manganese.
- Station 9+80 to 11+15 (CL NB I-90/94), 0 to 90 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Contaminants of concern sampling parameter: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, and Manganese.
- Station 11+15 to 12+05 (CL NB I-90/94), 0 to 75 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene, and Manganese.
- Station 12+05 to 14+60 (CL NB I-90/94), 0 to 60 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene, and Manganese.
- Station 14+60 to 17+50 (CL NB I-90/94), 0 to 50 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene, and Manganese.
- Station 13+90 to 16+15 (CL NB I-90/94), 0 to 160 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Contaminants of concern sampling parameter: N-Nitrosodi-n-propylamine.
- Station 16+15 to 17+35 (CL NB I-90/94), 0 to 145 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(4). Contaminants of concern sampling parameter: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, and Manganese.
- Station 17+35 to 18+65 (CL NB I-90/94), 0 to 125 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene.
- Station 18+65 to 19+55 (CL NB I-90/94), 0 to 100 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, and Manganese.
- Station 08+30 to 10+00 (CL SB I-90/94), 0 to 140 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene, and Manganese.
- Station 10+00 to 11+20 (CL SB I-90/94), 0 to 180 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Contaminants of concern sampling parameter: Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(a)pyrene, and Dibenzo(a,h)anthracene.
- Station 11+20 to 12+10 (CL SB I-90/94), 0 to 210 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene.
- Station 12+10 to 12+80 (CL SB I-90/94), 0 to 80 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Manganese.

Added 10/29/18



- Station 12+10 to 12+80 (CL SB I-90/94), 80 to 150 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Contaminants of concern sampling parameter: Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(a)pyrene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene.
- Station 12+10 to 12+80 (CL SB I-90/94), 150 to 210 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(2). Contaminants of concern sampling parameter: Benzo(a)pyrene, and Lead.
- Station 12+80 to 14+65 (CL SB I-90/94), 0 to 135 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Contaminants of concern sampling parameter: Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(a)pyrene, Dibenzo(a,h)anthracene, and Lead.
- Station 14+65 to 16+20 (CL SB I-90/94), 0 to 150 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene, and Manganese.
- Station 16+20 to 17+50 (CL SB I-90/94), 0 to 115 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(2). Contaminants of concern sampling parameter: Manganese.
- Station 9+80 to 11+20 (CL SB I-90/94), 0 to 90 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Contaminants of concern sampling parameter: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Lead, and Manganese.
- Station 11+20 to 12+10 (CL SB I-90/94), 0 to 75 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene.
- Station 12+10 to 14+65 (CL SB I-90/94), 0 to 65 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene, and Manganese.
- Station 14+65 to 17+50 (CL SB I-90/94), 0 to 50 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene, and Manganese.
- Station 1610+20 to 1611+50 (CL Proposed Ramp EN), 0 to 240 feet LT, and 0 to 65 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(1). Contaminants of concern sampling parameter: Benzo(a)pyrene, and Manganese.
- Station 1611+50 to 1613+00 (CL Proposed Ramp EN), 0 to 25 feet LT, and 0 to 55 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Contaminants of concern sampling parameter: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, and Dibenzo(a,h)anthracene.
- Station 1611+50 to 1612+45 (CL Proposed Ramp EN), 25 to 180 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene, and Benzo(b)fluoranthene.
- Station 1612+45 to 1614+50 (CL Proposed Ramp EN), 25 to 210 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(1). Contaminants of concern sampling parameter: Benzo(a)pyrene.

Added 10/29/18

- Station 1613+00 to 1614+50 (CL Proposed Ramp EN), 0 to 25 feet LT, and 0 to 190 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(3). Contaminants of concern sampling parameter: Benzo(a)pyrene, and Dibenzo(a,h)anthracene.
- Station 1614+50 to 1616+60 (CL Proposed Ramp EN), 0 to 25 feet LT, and 0 to 230 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(2). Contaminants of concern sampling parameter: Manganese.
- Station 6331+25 to 6333+35 (CL NB C-D Road), 0 to 80 feet LT, and 0 to 105 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Contaminants of concern sampling parameter: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, and Manganese.

Site 2615V-336: CTA bus station, 700 W. Harrison Street, Chicago, Cook County

- Station 1610+05 to 1613+00 (CL Proposed Ramp EN), 55 to 190 feet RT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic, and Lead.

Added 10/29/18