



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

July 20, 2015

SUBJECT: FAI Route 55 (I-55)
Project ACNHPP-0055(475)
Section 2013-049B
Cook County
Contract No. 60X07
Item No. 5, July 31, 2015 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 pages 338-344 of the Special Provisions

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

A handwritten signature in black ink, appearing to read "Ted B. Walschleger P.E.".

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

cc: John Fortmann, Region 1, District 1; Tim Kell; D. Carl Puzey; Estimates

MS/kf

Method of Payment. The Contractor will make payments to CDWM based upon the following schedule agreed to with CDWM:

- 100% of the initial estimate of costs required by CDWM. A certified check in the amount of \$45,700.00, payable to the City of Chicago, must be hand delivered to the Department of Buildings, Plumbing Permit and Plan Section, Room 906, 121 North LaSalle Street, Chicago, Illinois 60602, with a copy of this letter.
- This payment shall be made to CDWM within ten (10) days of contract award using certified check. The receipt is to be provided to the Engineer for records.
- The initial estimated cost of services is an assumption subject to the receipt of the actual final costs submitted from CDWM upon completion of their work. The initial assumption identified above is for bidding purposes only.

CDWM will invoice the final amount based upon labor, material, equipment, overhead charges and other costs actually incurred.

The Contractor will be reimbursed based upon the requirements identified in Section 109.05, including administrative costs. The Contractor shall secure invoices from CDWM for work performed by CDWM. These invoices shall be submitted as documentation to the Department prior to or with any Contractor payment request for the remaining balance at the completion of work related to CDWM facilities.

For bidding purposes, this item shall be estimated as \$46,557.00, which includes the estimated cost from CDWM with additional administrative costs per Section 109.05.

Basis of Payment. This work will be paid for at the contract lump sum price for CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT ENGINEERING SERVICES which shall be reimbursement in full, and with administrative costs as described in Section 109.05, for services provided by CDWM.

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 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.

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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 2045-1 (Canadian National/Illinois Central and Metra Railroads)

- Station 193+60 to Station 195+90 (PR BL NB I-55), 0 to 50 feet LT, and 0 to 20 feet RT (Canadian National/Illinois Central and Metra Railroads, PESA Site 2045-1, along the west side of Lake Shore Drive between 18th and 31st Streets). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Lead, and Manganese.
- Station 493+65 to Station 496+10 (PR Ramp ES), 0 to 25 feet LT, and 0 to 60 feet RT (Canadian National/Illinois Central and Metra Railroads, PESA Site 2045-1, along the west side of Lake Shore Drive between 18th and 31st Streets). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Lead, Manganese, and Radium.

Site 2045-2 (Lake Shore Drive ROW)

- Station 200+60 to Station 206+75 (PR Ramp EN), 0 to 90 feet LT, and 0 to 50 feet RT (Lake Shore Drive ROW, PESA Site 2045-2, 18th Street to 31st Street). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Naphthalene, Arsenic, Lead, and Manganese.
- Station 206+75 to Station 209+20 (PR Ramp EN), 0 to 90 feet LT (Lake Shore Drive ROW, PESA Site 2045-2, 18th Street to 31st Street). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Lead, and Manganese.

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Site 2045-4 (McCormick Place Convention Center)

- Station 496+10 to Station 498+10 (PR Ramp ES), 0 to 20 feet LT, and 0 to 75 feet RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Carbazole, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Naphthalene, Antimony, Arsenic, Lead, Mercury, and Manganese.
- Station 498+10 to Station 499+10 (PR Ramp ES), 0 to 20 feet LT, and 0 to 80 feet RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene, Lead, and Manganese.
- Station 499+10 to Station 500+30 (PR Ramp ES), 0 to 20 feet LT, and 0 to 80 feet RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Antimony, Arsenic, Lead, and Manganese.
- Station 500+30 to Station 504+10 (PR Ramp ES), 0 to 160 feet LT, and 0 to 80 feet RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Lead, and Manganese.
- Station 504+10 to Station 510+75 (PR Ramp ES), 0 to 40 feet LT, and 0 to 80 feet RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic, Lead, and Manganese.
- Station 510+75 to Station 515+10 (PR Ramp ES), 0 to 20 feet LT, and 0 to 80 feet RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene, Lead, and Manganese.
- Station 515+10 to Station 516+50 (PR Ramp ES), 0 to 10 feet LT, and 0 to 80 feet RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene and Manganese.
- Station 206+75 to Station 209+20 (PR Ramp EN), 0 to 50 feet RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Lead, and Manganese.

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- Station 209+20 to Station 212+40 (PR Ramp EN), 0 to 50 feet LT, and 0 to 40 feet RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Arsenic, Lead, and Manganese.
- Station 212+40 to Station 214+65 (PR Ramp EN), 0 to 40 feet LT, and 0 to 25 feet RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene, Lead, and Manganese.

Site 2045-5 (I-55 ROW)

- Station 180+55 to Station 181+80 (PR BL NB I-55), 0 to 90 feet RT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Lead, and Manganese.
- Station 181+80 to Station 185+15 (PR BL NB I-55), 0 to 100 feet RT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene and Manganese.
- Station 185+15 to Station 186+60 (PR BL NB I-55), 0 to 100 feet RT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Carbazole, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Naphthalene, and Lead.
- Station 186+50 to Station 188+20 (PR BL NB I-55), 0 to 90 feet RT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene, Lead, and Manganese.
- Station 180+55 to Station 181+80 (PR BL NB I-55), 0 to 50 feet LT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Cadmium, Lead, and Manganese.
- Station 181+80 to Station 186+60 (PR BL NB I-55), 0 to 50 feet LT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Tetrachloroethene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Carbazole, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Lead, and Manganese.
- Station 186+60 to Station 188+25 (PR BL NB I-55), 0 to 40 feet LT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene, Dibenzo(a,h)anthracene, and Lead.

- Station 188+25 to Station 193+60 (PR BL NB I-55), 0 to 50 feet LT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Lead, and Manganese.
- Station 195+90 to Station 199+25 (PR Ramp EN), 0 to 80 feet LT, and 0 to 30 feet RT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Carbazole, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic, Lead, and Manganese.
- Station 199+25 to Station 200+60 (PR Ramp EN), 0 to 60 feet LT, and 0 to 20 feet RT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Lead, and Manganese.

Site 2045-10 (United Storage)

- Station 188+20 to Station 189+70 (PR BL NB I-55), 0 to 90 feet RT (United Storage, PESA Site 2045-10, 407 East 25th Street). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene, Manganese, and Radium.
- Station 189+70 to Station 193+60 (PR BL NB I-55), 0 to 90 feet RT (United Storage, PESA Site 2045-10, 407 East 25th Street). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Lead, and Radium.

Radiological Monitoring: Portions of this project may be in the vicinity of property associated with fill materials, buried foundations, abandoned utility lines, or other sites that may contain low-level radiological contamination associated with historical operations at the Carnotite Reduction Company (EPA ID No. ILN000510371). Encountering construction excavation material that may be contaminated by radium is a potential during the construction of this project based on the approximate permit-hold area established by the City of Chicago. The contractor shall take appropriate precautions and have available qualified staff and equipment to conduct gamma radiation monitoring should it be required in the following areas:

- Station 188+20 to Station 193+60 (PR BL NB I-55), 0 to 90 feet RT (United Storage, PESA Site 2045-10, 407 East 25th Street). Contaminants of concern sampling parameters: Radium.
- Station 493+65 to Station 496+10 (PR Ramp ES), 0 to 25 feet LT, and 0 to 60 feet RT (Canadian National/Illinois Central and Metra Railroads, PESA Site 2045-1, along the west side of Lake Shore Drive between 18th and 31st Streets). Contaminants of concern sampling parameters: Radium.

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The Contractor shall designate a Monitoring Technician (MT) to be responsible for monitoring of potential radiological contamination during work. The MT shall have a minimum of two years of field experience in assessment and remediation of radiological substances that may be encountered during construction projects. The MT shall be experienced in the operation of radiological monitoring devices and field sampling (for testing) of all media that may be found on the site. The MT shall be equipped with a radiation monitor with suitable gamma detector, and other foreseeable equipment; and personal protective equipment, as required.

The MT shall be present on site and perform monitoring as required when work is being performed in areas of suspected radiological contamination. The MT shall monitor for compliance with permits, regulations, the Health and Safety Plan, the Contract, and any environmental documents for the project. The MT shall immediately notify the Contractor, the Engineer and the designated Site Health and Safety Officer of any hazardous condition or change in waste management plans.

The results of radiation monitoring and/or surveying shall be provided in a letter report to the Engineer and other agencies and in accordance with any other permit requirements.

Backfill Plugs. Backfill plugs shall be placed within the following locations:

- Station 197+00 to Station 198+50 (PR Ramp EN), 0 to 90 feet LT, and 0 to 40 feet RT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive). Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, and Lead.

Engineered Barrier. An engineered barrier shall be installed in storm sewer and/or water main trenches to limit the exposure and control the migration of contamination from the contaminated soil that remains within the trench excavation. It shall be placed beneath the trench backfill material at the following locations:

- Station 185+50 to Station 186+50, (PR BL NB I-55) 0 to 100 feet LT, and 0 to 50 feet RT (I-55 ROW, PESA Site 2045-5, between Prairie Avenue and Lake Shore Drive) – non-special waste. Contaminants of concern sampling parameters: Tetrachloroethene (PCE), Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Carbazole, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Naphthalene, and Lead.
- Station 497+00 to Station 498+00, (PR BL Ramp ES) 0 to 30 feet LT, and 0 to 50 feet RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive) – non-special waste. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Carbazole, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Naphthalene, Arsenic, Lead, and Manganese.
- Station 211+10 to Station 212+40, (PR BL Ramp EN) 0 to 40 feet LT/RT (McCormick Place Convention Center, PESA Site 2045-4, 2301 South Lake Shore Drive) – non-special waste. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Arsenic, Lead, and Manganese.
- Station 202+50 to Station 204+00, (PR BL Ramp EN) 0 to 70 feet LT, and 0 to 30 feet RT (Lake Shore Drive ROW, PESA Site 2045-2, 18th Street to 31st Street) – non-special waste. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Carbazole, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Naphthalene, Lead, and Manganese.

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- Station 204+75 to Station 209+00, (PR BL Ramp EN) 0 to 90 feet LT, and 0 to 50 feet RT (Lake Shore Drive ROW, PESA Site 2045-2, 18th Street to 31st Street) – non-special waste. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Naphthalene, Arsenic, Lead, and Manganese.

The engineered barrier shall consist of a geosynthetic clay liner system, geomembrane liner, or equivalent material as approved by the Engineer. A geosynthetic clay liner shall be composed of a bentonite clay liner approximately 6.4 millimeters (0.25 inches) thick. The engineered barrier shall have a permeability of less than 10^{-7} cm/sec. Installation of the geosynthetic clay liner system shall be in accordance with the manufacturer's recommendations except that all laps shall face down-slope.

The geomembrane liner shall have a minimum thickness of 30 mil. The geomembrane liner shall line the entire trench and in accordance with the manufacturer's recommendations.

No equipment will be allowed on the engineered barrier until it is covered by a minimum of 305 millimeters (1 foot) of backfill. Any damage to the engineered barrier caused by the Contractor shall be repaired at no additional expense to the Department in accordance with the manufacturer's recommendations and as directed by the Engineer.

Method of Measurement: Engineered barrier will be measured for payment in place and the area computed in square meters (square yards).

Basis of Payment: The engineered barrier will be paid for at the contract unit price per square meters (square yards) for ENGINEERED BARRIER.

MONITORING WELL ABANDONMENT

The Contractor shall hire a licensed water well driller pursuant to the Water Well and Pump Installation Contractor's License Act. All monitoring wells removed shall be abandoned in accordance with the Illinois Water Well Construction Code 77 Illinois Administrative Code Part 920. The Department has determined that one (1) monitoring well will be impacted by construction activities.

Method of Measurement. Monitoring well abandonment will be measured for payment assuming each monitoring well is a 2 inch diameter well installed at a maximum depth of 25 feet.

Basis of Payment. Monitoring well abandonment will be paid for at the contract unit price each for MONITORING WELL ABANDONMENT.

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