

November 2, 2023

SUBJECT FAI Route 80 (I-80) Project NHPP-V5RS(781) Section FAI 80 21 STRUCTURE 7 Will County Contract No. 62R28 Item No. 26, November 17, 2023 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 iv of the Table of Contents to the Special Provisions
- 3. Revised pages 4, 15-18, 44, 187-189 & 300 of the Special Provisions
- 4. Added pages 385 & 386 to the Special Provisions
- Revised sheets 1, 5, 6, 8, 12, 13, 21, 45, 47, 50, 51, 75, 194, 195, 203, 204, 252, 252A, 253-255, 257, 258, 286, 289, 291 & 970-972 of the Plans
- 6. Added sheet 142A to the Plans

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,

d.

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

MTS

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (PROJECT SPECIFIC	C) 208
REMOVE IMPACT ATTENUATORS, STATE OWNED	•
REMOVE TEMPORARY CONCRETE BARRIER	
REMOVE TEMPORARY WOOD POLE	
SLOTTED DRAIN REMOVAL	
STABILIZED CONSTRUCTION ENTRANCE	
TRANSFER SERVICE SIGN	
TEMPORARY SHORING	
TEMPORARY WOOD POLE, 50 FT., CLASS 4	
TREE REMOVAL, ACRES (SPECIAL)	
WEED CONTROL, BASAL TREATMENT	
WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT	
STORM WATER POLLUTION PREVENTION PLAN (SWPPP)	
U.S. ARMY CORPS OF ENGINEERS REGIONAL PERMIT	
HIGH LOAD MULTI-ROTATIONAL BEARINGS	
CONCRETE WEARING SURFACE	
DIAMOND GRINDING AND SURFACE TESTING BRIDGE SECTIONS	
SLIPFORM PARAPET	
BRIDGE DECK CONSTRUCTION	271
BRIDGE DECK GROOVING (LONGITUDINAL)	
PREFORMED PAVEMENT JOINT SEAL	
CROSSHOLE SONIC LOGGING TESTING OF DRILLED SHAFTS	
BAR SPLICERS	
NOISE ABATEMENT WALL, GROUND MOUNTED	
BITUMINOUS MATERIALS COST ADJUSTMENTS (BDE)	
BLENDED FINELY DIVIDED MINERALS (BDE)	
CEMENT, TYPE IL (BDE)	
COMPENSABLE DELAY COSTS (BDE)	
CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)	
DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)	
FUEL COST ADJUSTMENT (BDE)	
HIGH TENSION CABLE MEDIAN BARRIER REMOVAL (BDE)	
HOT-MIX ASPHALT – LONGITUDINAL JOINT SEALANT (BDE)	
MECHANICALLY STABILIZED EARTH RETAINING WALLS (BDE)	
PERFORMANCE GRADED ASPHALT BINDER (BDE)	
PORTLAND CEMENT CONCRETE (BDE)	
	Revised 11/2/2023

COOPERATION BETWEEN CONTRACTORS

The following should be added to Article 105.08:

The Department reserves the right to have work performed by other contractors and by Department forces and to permit public utility companies and others to perform work during the progress and within the limits of or adjacent to the work. The Contractor shall conduct its work in a manner and shall cooperate with such other parties to cause as little interference as possible with such other work and as the Department may also direct. If there is a difference of opinion as to the respective rights of the Contractor and others doing work within the limits of or adjacent to the work, the Engineer will decide the order and coordination of the work. The Engineer's decision shall be final and binding on the Contractor. The Contractor shall make no claims against the Department for additional compensation due to delays or other conditions created by the operations of such other parties.

Coordination with Other Contractors. The Contractor is advised that certain operations will involve coordination with Department personnel and Contractors currently performing work on or adjacent to this project for the Department and other agencies. The Contractor shall cooperate to the fullest extent with the Department and the Contractors working on adjacent projects in compliance with Articles 105.07 and 105.08 of these Specifications.

The Contractor shall submit to the Resident Engineer a daily work schedule for the purpose of coordinating the Contractor's activities for the next working day. The daily work schedule must be submitted by 3:00 p.m. the day prior. This schedule is necessary and shall be used by the Engineer to schedule inspections, material testing and checking of layout as part of the following day's work. Failure to submit a schedule may result in uninspected work and therefore considered unacceptable.

The daily schedule shall include the Contractor's or Sub-Contractor's planned work for that day including the location, description, scheduled work hours and pay items of work to be performed. The schedule shall also include any material testing requests, layout check requests and all traffic control measures to be implemented for that day's work.

The Department and the Engineer shall be notified in writing by the Contractor at least 48 hours prior to the start of any operation requiring cooperating with others. All other agencies, unless otherwise noted, will be notified in writing by the Contractor ten (10) days prior to the start of any such operation. The Contractor shall make no claims against the Department for additional compensation due to delays or other conditions created by the operations of such other parties.

COORDINATION WITH ADJACENT AND/OR OVERLAPPING CONTRACTS

This contract abuts and/or overlaps with other concurrent contracts listed below. Each contract includes work items requiring close coordination between the various Contractors regarding the sequence and timing of execution of work items. This contract also includes critical work items that affect the future staging of traffic and completion dates of other contracts. These critical items along with completion dates are listed after each contract.

Contract No. 62P67 – River Road over Interstate 80 Bridge Replacement and Widening. The Contractor shall coordinate with the Department and make MOT and construction activity modifications to accommodate the scheduled inspection and provide the necessary shoulder closures for the River Road Bridge Reconstruction. The cost for coordination, modifications required to MOT and construction activities, and installation and removal lane closures shall be included in the cost of Traffic Control and Protection (Expressways).

• Completion Date – September 30, 2024.

Revised 11/2/2023race

Pre-Stage

STAGE / LOCATION	TYPE	DESCRIPTION	RESPONSIBLE AGENCY	DURATION OF TIME
Pre-Stage I-80 over DuPage River Station 317+00 to Station 320+00 RT	Fiber Optic	2" Conduit attached to structure (DuPage River Eastbound Bridge)	METRO Fiber	Relocate by August 1, 2024
Pre-Stage I-80 Station 339+60 to Station 344+00 RT	Electric (Aerial)	Aerial service and poles conflicting with proposed Noise Abatement Wall construction.	ComEd	Relocate by April 1, 2025
Pre-Stage I-80 Station 339+60 to Station 340+00 RT	Fiber Optic and Telephone	Services conflicting with proposed Noise Abatement Wall construction.	AT&T	Relocate by April 1, 2025
Pre-Stage I-80 Station 339+60 to Station 344+00 RT	Cable TV	Services conflicting with proposed Noise Abatement Wall construction.	Comcast	Relocate by April 1, 2025
Pre-Stage I-80 Station 339+60 to Station 340+00 RT	Fiber Optic	Services conflicting with proposed Noise Abatement Wall construction.	Century Link (Lumen)	Relocate by April 1, 2025

The following contact information is what was used during the preparation of the plans as provided by the Agency/Company responsible for resolution of the conflict.

Agency/Company Responsible to Resolve Conflict	Name of contact	Phone	E-mail address
METRO Fiber	Taylor Rich	(217) 728-9056	trich@metrocomm.com
ComEd	Rick Oster	(779) 231-0625	Rick.Oster@exceloncorp.com
AT&T	Steve Pesola	(630) 573-5703	sp9653@att.com
Comcast	Bob Schulter or Robert Stoll	(224) 229-5861 or (224) 229-5849	Bob_Schulter@comcast.com
Century Link (Lumen)	Ben Pacocha	(847) 954-8250	ben.pacocha@lumen.com

UTILITIES TO BE WATCHED AND PROTECTED

The areas of concern noted below have been identified by following the suggested staging plan included for the contract. The information provided is not a comprehensive list of all remaining utilities, but those which during coordination were identified as ones which might require the Department's contractor to take into consideration when making the determination of the means and methods that would be required to construct the proposed improvement. In some instances, the contractor will be responsible to notify the owner in advance of the work to take place so necessary staffing on the owner's part can be secured.

<u>All-Stages</u>

STAGE / LOCATION	TYPE	DESCRIPTION	OWNER
I-80 Station 305+20	Fiber Optic	Buried 2" DBC Telephone Line	AT&T
I-80 Station 308+25	Gas	Gas Mains (22" metallic gas main & 30" gas main in 42" steel casing) Provide notice of at least seventy- two (72) hours in advance of construction. IDOT must contact the following TC Energy field representatives: Name: Chad Klatt Cell: 815-826-0987	TC Energy

		TC Energy will arrange for a representative to be on site when work is occurring on or near the Right of Way area, or within 25' of the pipelines. After hours call 1- 800-447-8066.	
		Additional requirements are outlined in the Special Provision GAS/OIL PIPELINE PROTECTION.	
		Illinois DOT, or it's consultant must hydro-vac or hand expose TC Energy's buried pipeline(s) prior to the use of mechanical equipment within 15 ft of the pipeline(s).	
		A permanent concrete protection slab must be installed between the ditch and pipeline across the width of the TCE easement where a minimum of 36" from the bottom of the ditch to the top of the TC Energy pipeline cannot be provided. Additional requirements are outlined in the Special Provision	
I-80	Canitan	UTILITY PROTECTION PAD	
Station 384+80	Sanitary	48" intercepting sewer	City of Joliet
I-80 Station 337+85	Fiber Optic	Buried 2" Conduit	ComEd
I-80 Station 337+90	Electric	Buried 4" Conduit	ComEd
I-80 Station 337+95	Cable TV	Buried 2" conduit	Comcast
I-80 Station 338+50	Fiber Optic	Buried 2" PE	Century Link (Lumen)
I-80 Station 338+90	Telephone	Buried Telephone Service (Unknown Size and Type)	AT&T
I-80 Station 338+90	Fiber Optic	Buried conduit (Unknown Size and Type)	AT&T
I-80 Station 324+00 to Station 382+00 RT	Electric	IDOT Highway Lighting Note: The existing highway lighting will be replaced as part of this contract.	IDOT

Station 326+25 to Station 364+00 LT			
I-80 Station 305+50 to Station 410+00 RT		Buried 2" Conduit	
Station 372+00 to Station 410+00 LT	Fiber Optic	Note: The existing highway fiber optic services will be replaced as part of this contract.	IDOT-ITS

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility.

Agency/Company Responsible to Resolve Conflict	Name of contact	Phone	E-mail address
AT&T	Steve Pesola	(630) 573-5703	sp9653@att.com
TC Energy	Karen Macejewski	(832) 320-5414	karen_macejewski@tcenergy.com
ComEd	Rick Oster	(779) 231-0625	Rick.Oster@exceloncorp.com
Comcast	Bob Schulter or Robert Stoll	(224) 229-5861 or (224) 229-5849	Bob_Schulter@comcast.com
Century Link (Lumen)	Ben Pacocha	(847) 954-8250	ben.pacocha@lumen.com
City of Joliet	Owen Dean, PE	(815)724-4220	odean@joliet.gov

The above represents the best information available to the Department and is included for the convenience of the bidder. The days required for conflict resolution should be considered in the bid as this information has also been factored into the timeline identified for the project when setting the completion date. The applicable portions of the Standard Specifications for Road and Bridge Construction shall apply.

Estimated duration of time provided above for the first conflicts identified will begin on the date of the executed contract regardless of the status of the utility relocations. The responsible agencies will be working toward resolving subsequent conflicts in conjunction with contractor activities in the number of days noted.

The estimated relocation duration must be part of the progress schedule submitted by the contractor. A utility kickoff meeting will be scheduled between the Department, the Department's contractor and the utility companies when necessary. The Department's contractor is responsible for contacting J.U.L.I.E. prior to all excavation work.

UNDERGROUND RACEWAYS

Revise Article 810.04 of the Standard Specifications to read:

"Installation. All underground conduits shall have a minimum depth of 30-inches (700 mm) below the finished grade and shall be installed to avoid existing and proposed utilities within the project limits."

Add the following to Article 810.04 of the Standard Specifications:

"All metal conduit installed underground shall be Rigid Steel Conduit unless otherwise indicated on the plans."

Add the following to Article 810.04 of the Standard Specifications:

"All raceways which extend outside of a structure or duct bank but are not terminated in a cabinet, junction box, pull box, handhole, post, pole, or pedestal shall extend a minimum of 1 ft (300 mm) or the length shown on the plans beyond the structure or duct bank. The end of this extension shall be capped and sealed with a cap designed for the conduit to be capped.

The ends of rigid metal conduit to be capped shall be threaded, the threads protected with full galvanizing, and capped with a threaded galvanized steel cap.

The ends of rigid nonmetallic conduit and coilable nonmetallic conduit shall be capped with a rigid PVC cap of not less than 1/8 in. (3 mm) thick. The cap shall be sealed to the conduit using a room-temperature-vulcanizing (RTV) sealant compatible with the material of both the cap and the conduit. A washer or similar metal ring shall be glued to the inside center of the cap with epoxy, and the pull cord shall be tied to this ring."

Add the following to Article 810.04 of the Standard Specifications:

"For UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. as shown on the Intelligent Transportation System (ITS) plans, the Contractor shall proof the conduit in the presence of the Engineer by pulling through a bullnose aluminum mandrel of 1.62 inch diameter and length between 2.4 and 6.0 inches. Any breaks in the duct line shall be excavated and repaired at the Contractor's expense, and the proofing test repeated. The Contractor shall also install a 5/8 inch woven polyester toneable pull tape with a minimum tensile strength of 1200 lbs.-force. All pull tapes shall have six (6) feet of extra slack extending from each end of the conduit and shall be secured before conduit ends are plugged."

The resulting void from the removal of the post or foundation holes shall be backfilled with compacted (hand tamped as a minimum) course aggregate material (CA-6, CA-10 or CA-12). If the holes are in turf, areas at finished grade they shall be capped with four (4) inches of topsoil graded to match existing ground. Any ruts resulting from these operations shall be filled with topsoil and graded smooth. No additional compensation shall be made for the off-site disposal of materials and for filling of foundation holes or ruts.

Existing posts which are set in concrete may be sawed off flush with the top of the concrete foundations. After the alignment of the new fence has been established and new posts are in place, the Contractor has the option of totally removing the old fence posts and foundations or removing the old fence posts and foundations a minimum of 6" below the existing ground elevation. No old fence posts and foundations are to remain in place upon completion of the new fence. All the holes from the old fence foundations shall be filled with natural sand. The top 6" shall be filled with topsoil.

Any damage to public or private property which results from the removal of existing fence shall be repaired by the Contractor to the satisfaction of the Engineer at no additional cost.

Method of Measurement. This work will be paid for payment in feet, in place and standing prior to removal.

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

GAS/OIL PIPELINE PROTECTION

Description. This item consists of coordination with TC Energy and protection of the existing pipeline facilities owned, operated, and maintained by TC Energy.

General. Work within the TC Energy's right-of-way will be performed in accordance with TC Energy procedures to protect the safety of TC Energy's facilities. Guidelines, although not inclusive, are provided by TC energy to protect the pipelines and facilities.

Equipment. Equipment shall be limited in the following ways when performing work within the TC Energy ROW:

- (a) Permittee shall not park equipment or store materials on the TC Energy right-of-way.
- (b) Use of vibratory equipment larger than walk-behind units shall not be permitted within twenty-five (25) feet of the pipeline or related facility.
- (c) No equipment shall work directly over the pipeline, unless TC Energy grants specific written permission. The Permittee shall install temporary fencing along the TC Energy right-of-way boundaries so equipment shall not inadvertently pass over the pipeline at locations other than those established for the crossing. A scraper or pan type tractor shall not be used for removal of soil within 10 feet of the centerline of the pipeline. Rubber tire or small track type equipment is an acceptable alternative.

- (d) No side cutters shall be used during any excavation within a TC Energy ROW.
- (e) No part of powered equipment shall come within two (2) feet of TC Energy's pipelines, or according to applicable State or Federal requirements.
- (f) No bucket, any attachment or load may be swung over TC Energy's pipeline(s) where there is less than two (2) feet of cover

The Contractor shall submit to TC Energy for approval a Heavy Equipment Crossing Information Form for all equipment that will operate within the TC Energy right-of-way. No equipment will be permitted within the right-of-way without prior approval from TC Energy. The permittee will work with the on-site representative to complete the Heavy Equipment Crossing Information Form. The Contractor shall furnish to the Engineer a copy of the approved Heavy Equipment Crossing Information Form at least one working day prior to starting work within TC Energy ROW.

The Contractor shall submit to TC Energy for approval an Application to Work on or Within 100 ft of TC Energy ROW (US) for all work to be performed within 100 feet of TC Energy ROW. The Contractor shall furnish to the Engineer a copy of the approved Application to Work on or Within 100 ft of TC Energy ROW (US) at least one working day prior to starting work within 100 feet of TC Energy ROW.

CONSTRUCTION REQUIREMENTS

Notice and Representatives. The Contractor shall notify TC Energy at least seventy-two (72) hours in advance of construction. The TC Energy contact person is:

Chad Klatt (815) 826-0987

A copy of the TC Energy General Guidelines shall be onsite at all times (Attachment "A"). All construction workers and equipment operators shall be made aware of the requirements of this special provision and TC Energy General Guidelines prior to starting work. This letter is included at the end of this special provision. The Contractor shall implement the requirements stated in the letter specific to each Encroachment in addition to the requirements of this special provision. In the case of any conflict between the approval letter and this special provision, the requirements of this special provision shall govern.

Concerns expressed by the TC Energy representative may be considered by the Engineer as the basis for suspension of work in accordance with Article 108.07.

The Contractor shall include a coordination meeting with the Engineer and TC Energy representative in the Progress Schedule in accordance with Article 108.02. The meeting shall be held at least 30 calendar days prior to beginning work within TC Energy Pipeline ROW. The meeting will be held onsite at the Engineer's field office. The Contractor's superintendent shall attend this meeting. No work shall occur within the TC Energy ROW until after the meeting is held.

Excavation. The Permittee shall mark any excavation area with white paint, flags, or as required by applicable state law within TC Energy right-of-way.

Before excavation can begin near a TC Energy right-of-way, the excavation area must be located and marked in according to the appropriate state one call regulation. Safe digging is no accident. Know what's below. Call 811 before you dig. TC Energy or its representative shall locate the pipeline and determine the approximate depth of cover before the Permittee can begin excavation.

Miscellaneous. The Contractor shall maintain a communications log of telephone calls, emails, and all other contacts with TC Energy. A photograph log shall be created daily showing the equipment and operations within 25 feet of the pipeline. Each photograph shall have a caption describing the location of the photograph, the equipment and operations shown in the photograph, and the date of the photograph. The Contractor shall furnish to the Engineer a copy of the communications and photograph logs weekly no more than one working day after the end of the previous week.

Should the design require a field change in the vicinity of the TC Energy pipelines, Chad Klatt must be contacted and approve any revisions prior to actuating the changes in the field.

The Contractor shall furnish to the Engineer as-built drawings of all improvements within the TC Energy ROW within 10 working days of all work within the TC Energy ROW being completed. As-builts shall consist of two sets of hardcopies and two CDs or flash drives with scanned PDFs of the hardcopies showing the actual locations and extents of completed work.

If requested by the TC Energy representative, the contractor must uncover the existing gas transmission line to allow TC Energy to provide a protective coat on the pipe. The excavation and backfill will not be paid for separately but is included in the contract unit price for GAS/OIL PIPELINE PROTECTION.

TC Energy will furnish all materials and labor necessary to install the protection coat.

TC Energy requires a minimum of 36" cover to be provided from the bottom of the ditch line to the top of the TC Energy pipeline. If the 36" cover cannot be maintained, a concrete slab must be installed in between the ditch line and the existing pipeline. Additional requirements for the concrete slab are outlined in the Special Provision UTILITY PROTECTION PAD.

Method of Measurement. Work required to comply with the requirements of this special provision will be measured on a lump sum basis.

Earth excavation will be measured separately for payment in accordance with Article 202.07.

Removal and disposal of unsuitable material will be measured separately for payment in accordance with Article 202.07.

Basis of Payment. This work will be paid for at the contract lump sum for GAS/OIL PIPELINE PROTECTION which payment shall be full compensation for the work described herein and as directed by the Engineer.

Earth excavation will be paid for separately in accordance with Article 202.08.

Removal and disposal of unsuitable material will be paid for separately in accordance with Article 202.08.

Pages 294-299 have been deleted.

The next page is page 300

BAR SPLICERS Effective: September 2, 2022

Revised: December 9, 2022

Add the following to Article 508.08(b):

When bar splicers are epoxy-coated, all damaged or uncoated areas near the threaded ends shall be coated with a two-part epoxy according to ASTM D 3963 (D 3963M). All threaded ends of Stage II construction threaded splicer bars shall be coated according to ASTM D 3963 or dipped in an epoxy-mastic primer prior to joining the Stage II construction threaded splicer bar to the threaded coupler.

Add the following to Article 1006.10(a)(1)g:

For bar splicers with welded connections between the threaded coupler and threaded rod, the Stage I construction threaded splicer bar shall be welded to the threaded coupler using an all-around fillet weld.

FIBER OPTIC TRACER CABLE

Effective: May 22, 2002 Revised: November 1, 2023 817.02TS

The cable shall meet the requirements of Section 817 of the Standard Specifications, except for the following:

Add the following to Article 817.03 of the Standard Specifications:

"In order to trace the fiber optic cable after installation, the tracer cable shall be installed in the same conduit as the fiber optic cable in locations shown on the plans. The tracer cable shall be continuous, extended into the controller cabinet and terminated on a barrier type terminal strip mounted on the side wall of the controller cabinet. The barrier type terminal strip and tracer cable shall be clearly marked and identified. All tracer cable splices shall be kept to a minimum and shall incorporate maximum lengths of cable supplied by the manufacturer. The tracer cable will be allowed to be spliced at handholes only. The tracer cable splice shall use a Western Union Splice soldered with resin core flux and shall be soldered using a soldering iron. Blow torches or other devices which oxidize copper cable shall not be allowed for soldering operations. All exposed surfaces of the solder shall be smooth. The splice shall be covered with a black shrink tube meeting UL 224 guidelines, Type V and rated 600V, minimum length 4 in. (100 mm) and with a minimum 1 in. (25 mm) coverage over the XLP insulation, underwater grade."

Revise Article 817.05 of the Standard Specifications to read:

"Basis of Payment. The tracer cable shall be paid for separately as ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C per foot (meter), which price shall include all associated labor and material for installation."

Added 11/2/2023

UTILITY PROTECTION PAD

Description. This work shall consist of the construction of a permanent concrete protection slab over existing utilities and pipelines at the locations shown on the plans, as directed by the Engineer and as approved by the respective utility representatives. This work shall be performed in accordance with the applicable portions of Section 503 of the Standard Specifications, the details in the plans and as herein specified.

Materials. Materials shall be according to Article 503.02 of the Standard Specifications and shall be approved by the Engineer. The concrete shall be Class SI per section 1020 of the Standard Specifications.

Construction Requirements. Prior to beginning work, the Contractor shall contact the utility representative of the impacted utility to coordinate the construction, equipment, and inspection requirements for installing the protection pad.

Work shall follow all applicable portions of Section 503 of the Standard Specifications and shall further comply with the details shown on the plans.

Method of Measurement. This work will be measured in payment in place and the area computed in square yards.

Concrete, reinforcement bars, grade beam forms and warning tape shall not be paid for separately but shall be included in the unit price for the Utility Protection Pad.

Excavation and backfill, except excavation in rock, shall be paid for as Earth Excavation.

Basis of Payment. This item shall be paid for at the contract unit price per square yard for UTILITY PROTECTION PAD, which price shall be payment for all materials, labor, and equipment necessary to complete the work as specified.

Added 11/2/2023