



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

December 16, 2020

SUBJECT: FAU Route 392 (US 6)  
Project STP-5FZ0(460)  
Section (G)VB-1  
Grundy County  
Contract No. 66E45  
Item No. 24, January 15, 2021 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 ii of the Table of Contents to the Special Provisions.
3. Added pages 180-186 to the Special Provisions.
4. Revised sheets 1, 3, 9, 10 and 13 of the Plans.
5. Added sheet 56B 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,

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

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

MTS

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Revised 12/16/2020

## REQUIREMENTS WHEN WORKING NEAR EXISTING PIPELINES

Description: This project involves work above and in close proximity to Oneok's 10.75" high pressure natural gas underground pipeline which crosses the US 6 centerline near station 282+00. The pipeline runs parallel to the CSX railroad along the east side. The following conditions shall apply to this contract:

1. Illinois one-call (JULIE) and pipeline representatives must be contacted a minimum of 48 hours in advance of any construction activities within 50 feet of their respective facility so that Oneok may be present to ensure that there are no conflicts with their pipeline.
2. The contractor is responsible for taking all necessary safety precautions and will be held responsible for any damages caused to the Oneok pipeline or property as a result of their work. Exposing the existing pipeline may be required prior to working near pipeline to determine the exact alignment and depth.
3. There shall be no excavation or backfilling within 25 feet of pipelines for any reason without permission from an on-site representative of the pipeline company.
4. All excavation within 10 feet of the pipeline will be performed by hand until the pipeline has been located. Then, if approved by the company's on-site representative, mechanical excavation equipment may be used within 5 feet of the pipeline. All excavation or construction activities within 5 feet of the pipeline shall be performed by hand, or as directed by the on-site pipeline company representative. Heavy equipment will not be allowed to operate directly over pipeline except at areas with protective concrete slabs in place or at discretion of pipeline representative. See schedule for Utility Protection Pad. At locations where Utility Protection Pad is not required, the contractor shall place approved crane mats over the pipeline during construction for temporary crossing protection. The contractor may also be required to place crane mats in addition to Utility Protection Pad. A complete listing of anticipated construction vehicular traffic with anticipated maximum loads shall be provided to the pipeline representative at the pre-construction meeting.
5. Heavy equipment shall only be allowed to cross pipelines at locations designated by the pipeline company. Crossing of pipelines shall be made as close as possible to 90 degrees. The contractor shall not be permitted to transport construction materials or equipment longitudinally over the pipelines. No track type construction equipment shall be permitted to pivot or turn directly over the top of the pipeline. When inclement weather exists, provisions must be made to compensate for soil displacement due to subsidence of tires.
6. Vibratory rollers for compacting shall be turned off at pipeline crossings.

Added 12/116/2020

7. Unimpeded access to pipelines will be required at all times. Natural drainage will not be impaired. All rock, debris, tree trimmings and unused excavated material will be promptly removed from the site and the site will be left in clean and orderly condition to the satisfaction of the pipeline company on-site representative. Erosion due to excavating or grading activities shall be immediately restored to provide protection to the pipeline facility.
8. No blasting shall occur on or within 500 feet of pipeline facilities unless approved in writing by the pipeline company. If blasting of bedrock is to occur near the pipeline, the pipeline company may require a review of the soil and site conditions. Seismometers may be required to be installed for purposes of measuring peak particle velocities during blasting. Allowance would need to be made in the schedule for time to review the results and make any necessary adjustments.
9. For Pipeline Company contacts, see the Special Provision for "Status of Utilities to be Adjusted".

#### **UTILITY PROTECTION PAD**

Description: This work shall consist of the construction of a reinforced concrete protective slab over existing gas pipelines at the locations and details shown on the Plans and as directed by the Engineer. The work shall conform to the applicable portion of Sections 208, 503, 508, and 550 of the Standard Specifications.

Method of Measurement: This work will be measured for payment in square yards, calculated to the exact dimensions of placement of the reinforced concrete slab.

Basis of Payment: This work will be paid for at the contract unit price per square yard for UTILITY PROTECTION PAD, which price shall be payment in full for all labor, equipment and materials required to complete the work as specified herein, including but not limited to the cost of earth and rock excavation, Portland cement concrete, reinforcement bars, protective board, cardboard grade beam forms, underground warning tape and trench backfill.

Added 12/116/2020

## ONEOK'S REQUIREMENTS & GUIDELINES

### Protection of the Pipelines and Easements of ONEOK

ONEOK PARTNERS INTERMEDIATE, L.P. as the owner and operator of pipelines (by and through its direct and indirect subsidiaries or Affiliates) (collectively "ONEOK"), is dedicated to protecting the environment, the public, contractors, and employees. The following requirements and guidelines for encroachment on the easements of ONEOK are established to comply with governmental regulations and to reduce the risk of damage to ONEOK's pipelines. Deviations from the following requirements may be requested, in writing and **must** be approved and permitted by ONEOK.

A party desiring to construct, install or otherwise place or permit any object, natural or artificial to be placed within the Easement Area is hereinafter referred to as the "Encroacher."

#### **General Requirements:**

1. A plan and profile with sufficient detail depicting the relationship between ONEOK's pipeline, existing grade, grade during construction, final grade, and all surface and underground encroachments (a "**Construction Plan**") must be provided to ONEOK's engineering department for evaluation and approval. If the encroachment is part of a development that will eventually result in the construction of a private dwelling, or any industrial building, or place of public assembly within fifty (50) feet of the pipeline, then the Encroacher must agree to provide the pipeline with a minimum depth of cover of 36" within the confines of the legal description for which the permit is written, and also to provide a registered plat at the Encroacher's expense of the centerline of the pipeline with respect to the Encroacher's planned improvements.
2. After acquiring approval of a Construction Plan, the Encroacher must give at least **forty-eight (48) hours** notice by calling the appropriate state One-Call telephone number before starting any individual excavation or other construction work in or near ONEOK's easement.
3. ONEOK's easement must be kept clear of such things as trees, shrubs, ponds, culverts, driveways, rock or brick fences, retaining walls, lateral lines, septic tanks, lagoons, dikes, bridges, canals, levees, burn piles, trash dumps, feeders, pole barns, hay barns, carports, garages, trailers, tanks, buildings, homes or any inhabitable structures, or other obstructions that are not specifically permitted.
4. ONEOK permits the encroachment only to the extent it may do so by law.
5. No utilities or roads shall run parallel to the ONEOK pipeline within the easement.
6. An authorized ONEOK representative must be present during excavation within twenty-five (25) feet of an ONEOK facility or pipeline and will be deemed to be present if proper notice was given under this Agreement and appointment set for ONEOK representative to be present.

Added 12/116/2020

7. Blasting within five hundred (500) feet of a ONEOK pipeline is subject to evaluation and prior approval by ONEOK.
8. ONEOK personnel shall review construction drawings for facilities planned near or crossing ONEOK's easement. All construction drawings shall have a note that reads as follows:  
**"WARNING-High Pressure Natural Gas Pipeline or Natural Gas Liquids Line, Contact the state's "One-Call" system and ONEOK at 1-888-844-5658 before digging."**
9. Changes in grade that could cause loss of cover or erosion on the easement are forbidden. Provisions to prevent erosion shall be incorporated into the plans of the encroachment.
10. Markers and signs must not be obstructed, removed, or damaged; however, any signs damaged or removed during construction and or operations shall be replaced per ONEOK's specifications.
11. Transportation of construction equipment longitudinally over ONEOK's pipeline is not permitted. A perpendicular construction crossing that provides a minimum of thirty-six (36) inches of cover, and as further described below in the Surface Construction Requirements, below, must be used to gain access to job sites.
12. Future repairs to ONEOK's easement or ONEOK's pipeline, which are required due to the activities of the Encroacher, are to be performed at the expense of the Encroacher.
13. Pipeline rerouting, lowering, encasing, etc., will be done by ONEOK, or ONEOK's contractor, and will be paid for by the Encroacher. The Encroacher must pay the estimated costs of such operations in advance.
14. Storage of equipment or materials on ONEOK's Pipeline Easements is prohibited.
15. Ground cover over the facility shall not be reduced and after completion of the encroachment, the ground cover shall be restored by the Permittee as nearly as reasonably possible to its condition prior to the construction.

#### **Equipment Restrictions:**

1. The use of scrapers or pan-type tractors for soil removal within ten (10) feet of ONEOK's pipeline is prohibited.
2. The use of vibratory rollers or sheepsfoot rollers within five (5) feet of ONEOK's pipeline is prohibited. ONEOK will address the best available technique at a reasonable cost given the specific circumstances at the time.
3. If reasonable, teeth covers shall be used on excavating equipment to reduce the chance of damaging ONEOK's pipeline; however, the heavy equipment operator must dig no closer than one foot from the top, bottom, or sides of the pipeline, or greater if required by federal, state, or local regulation.
4. Track equipment shall not turn directly over ONEOK's pipeline.

Added 12/116/2020

**Surface Construction Requirements:**

1. Roads shall cross as close to ninety degrees (90°) to ONEOK's pipeline as possible. In the event Encroacher will place upon or cross the easement with a load exceeding 20,000 pounds per axle and over 8" nominal diameter pipe or larger, Encroacher shall install the approved facilities as required by ONEOK to ensure the continued safety and integrity of the pipeline. By way of example and not to be construed as a limitation, in the event Encroacher will place upon or cross the easement with a load exceeding 20,000 pounds per axle and on 8" nominal diameter pipe or larger, ONEOK may require the placement of wooden ties for temporary crossings and/or constructing a concrete cap. In addition, ONEOK agrees to install signage containing a "High Pressure Natural Gas Pipeline" warning adjacent to any roadway under which the pipeline is located. Crossings shall be constructed in accordance with the standard parameters established by ONEOK for all road crossings, unless otherwise specifically approved by ONEOK in writing.
2. At no time will (i) the removal of the existing earth cover from over the ONEOK pipeline(s) such that ONEOK would be in violation of any existing law, regulation or order be permitted (ii) the cover be allowed to be less than thirty-six inches (36"), except to the extent prior written approval is granted by ONEOK, or (iii) an increase in the existing earth cover cause the total to exceed ten (10) feet over the pipeline(s).
3. Temporary construction crossings for heavy equipment access to job sites shall cross as close to ninety degrees (90°) to ONEOK's pipeline as possible and provide a minimum of ten (10) feet of earth cover or temporary bridges to be approved by ONEOK. Provisions to prevent rutting and erosion shall be used.
4. Structures such as manholes and catch basins cannot be located within ONEOK's easement.
5. Overhead power lines or other such crossings must maintain a twenty-five (25) foot clearance above the entire breadth of ONEOK's easement, and cross as close to ninety degrees (90°) as possible.
6. In the event the permittee is a wind farm, the rotor blades must maintain a seventy-five foot (75') clearance above the entire breadth of ONEOK's easement.
7. Poles, guy wires, etc. cannot be located within the boundaries of ONEOK's easement.
8. Fence posts must be located a minimum of ten (10) feet horizontal distance from ONEOK's pipeline.

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### **Underground Construction Requirements:**

1. Crossings shall be made as close to ninety degrees (90°) to ONEOK's pipeline as possible.
2. Crossings shall be made under the existing line with a clearance of one and one-half (1.5) times the diameter of the largest pipe, but with at least two (2) feet of separation from ONEOK's pipeline.
3. Except for portions of crossings installed by boring, a six (6) inch wide warning tape must be installed twelve (12) to eighteen (18) inches above non-metallic lines across the entire width of ONEOK's easement. For crossings installed by boring, markers will be installed at the boring ends and Encroacher will sign the crossing. No tape will be installed between boring markers.
4. Warning signs, where practical, identifying the owner, type of service, and emergency phone numbers shall be placed at each edge of the easement crossing.
5. Fiber optics cables shall be encased in non metallic conduit within ONEOK's easement.
6. Power lines must be installed in a non-metallic conduit; however, if a metallic conduit must be installed, cathodic protection will be required. Notwithstanding anything herein to the contrary, underground alternating current (AC) electrical cables with a metallic outer sheath or bare concentric neutral installed within a twenty foot corridor, ten feet on each side of the pipeline, should be placed in an insulating conduit or jacket such as reinforced fiberglass, polyethylene or polyvinyl chloride pipe. Cables energized to 600 volts or more should cross a minimum of 3 feet below the pipeline if practical, be incased in concrete if practical, and color coded red, across the entire right-of-way width. If it is practical to encase the cable in concrete, then six (6) inches of red concrete must protect the top of the conduit; however, in these instances concrete may be omitted if forty-eight (48) inches of clearance is maintained. The cable crossing should be clearly and permanently marked on each side of the right-of-way, if practical.
7. Metallic pipe crossings shall have corrosion test leads installed on both pipes at their intersection, if deemed necessary by Permittee and ONEOK engineers.
8. Bore pits must be ten (10) feet or more from ONEOK's pipeline(s). The crossing point must be exposed at least two (2) feet deeper than the bottom of the pipeline to verify sufficient clearance of the boring tool.
9. Open trench crossings must be made across only one pipeline at a time. The trench must meet OSHA requirements. Temporary piping supports may be required.
10. Backfilling shall be performed in such a manner that the pipeline is not subjected to impact damage or excessive stresses, and no large lumps of frozen soil, rocks, gravel, or like materials shall be backfilled directly onto the pipe. No foreign substances, such as welding rods, cans, ropes, skids, brush or trees, are to be placed in any excavation on ONEOK's easement.

Added 12/116/2020



