



COSHOCTON COUNTY ENGINEER

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Frederick T. Wachtel, P.E., P.S.

Coshocton County Engineer's Office TR 221 Bridge 1 Replacement

Addendum Number 1 – August 3, 2022

| | |
|-------------------|---------------------------------------|
| Issue Date | Thursday, August 3, 2022 |
| Issued By: | Joshua D. Kempf Assistant Engineer |
| Bid Date: | Monday, August 8, 2022 |
| Bid Time: | 9:00 a.m. Local Time |

Addendum 1

1. Replace sheet BF 7 with the attached BF 7
2. Replace Plan Sheet 2 with the attached Plan Sheet 2

All other materials contained within the original bid documents remain the same and unchanged unless noted in subsequent addendums.

As per the bidding requirements, all addendums must be acknowledged in the Contracts Proposals on page Contract Form 1 (CF 1).

Coshocton County Commissioners
TR 221 Bridge 1 Replacement
Bid Sheet

| REF. NO. | ITEM NO. | APPROXIMATE UNIT QUANTITIES | | ITEM DESCRIPTION | UNIT PRICE | TOTAL PRICE |
|----------|----------|-----------------------------|----|--|------------|-------------|
| Base Bid | | | | | | |
| 1 | 201 | 1 | LS | Clearing and Grubbing | | |
| 2 | 202 | 1 | LS | Structure Removed, As Per Plan | | |
| 3 | 202 | 15 | FT | Fence Removed, As Per Plan | | |
| 4 | 203 | 33 | CY | Embankment | | |
| 5 | 304 | 14 | CY | Aggregate Base | | |
| 6 | 503 | 1 | LS | Cofferdams and Excavation Bracing | | |
| 7 | 503 | 1 | LS | Unclassified Excavation, Including Rock | | |
| 8 | 509 | 590 | LB | Epoxy Coated Reinforcing Steel | | |
| 9 | 511 | 11 | CY | Class QC1 Concrete, Footing | | |
| 10 | 512 | 72 | SY | Type 2 Waterproofing | | |
| 11 | 601 | 16 | SY | Riprap, Type A | | |
| 12 | 602 | 1 | LS | Masonry Misc.: Precast Concrete Block, As Per Plan | | |
| 13 | 611 | 40 | FT | 12' x 7' Conduit, Type A, As Per Plan | | |
| 14 | 613 | 170 | CY | Low Strength Mortar Backfill | | |
| 15 | 623 | 1 | LS | Construction Layout Stakes and Surveying | | |
| 16 | 624 | 1 | LS | Mobilization | | |
| 17 | 659 | 1 | LS | Seeding and Mulching, Class 1, As Per Plan | | |
| 18 | 832 | 1 | LS | Erosion Control | | |
| | | | | TOTAL | | |

TOTAL AMOUNT OF BID IN WORDS

COMPANY

ADDRESS

CITY

STATE

ZIP

SUBMITTED BY

TITLE

COMPANY

FAX

TAX ID NUMBER

EMAIL ADDRESS

Acknowledgement of Published Addenda's:

☐ 1 ☐ 2 ☐ 3

UTILITIES

THE LOCATIONS OF UNDERGROUND UTILITIES HAVE NOT BEEN FIELD LOCATED BY THE ENGINEER AND ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES FROM THEIR RESPECTIVE OWNERS PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL PROVIDE THE ENGINEER ALL OUPS REFERENCE NUMBERS FOR THIS PROJECT.

THE CONTRACTOR IS RESPONSIBLE FOR CALLING THE OHIO UTILITIES PROTECTION SERVICE AT LEAST TWO DAYS BEFORE DIGGING.

ANY AND ALL WORK REQUIRED FOR REMOVING, RELOCATING & CONSTRUCTION OF NEW FACILITIES FOR PRIVATE OR PUBLIC UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THE RESPECTIVE OWNERS UNLESS OTHERWISE NOTED IN THE PLANS. THE CONTRACTOR SHALL COORDINATE THEIR OPERATIONS WITH THE WORK OF UTILITY OWNERS OR OTHERS WHO MAY BE MAKING THE RELOCATIONS IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

STANDARD DRAWINGS

REFERENCE SHOULD BE MADE TO THE MOST CURRENT ODOT STANDARD DRAWINGS SHOWN IN THE TABLE ON THE COVER SHEET.

BEST MANAGEMENT PRACTICES

BEST MANAGEMENT PRACTICES (BMP's) FOR SOIL EROSION AND SEDIMENT CONTROL SPECIFICATIONS SET FORTH IN THE MOST CURRENT VERSION OF ODOT'S "CONSTRUCTION AND MATERIAL SPECIFICATIONS, LOCATION AND DESIGN MANUAL SUPPLEMENTAL, SPECIFICATION 832, AND STANDARD DRAWINGS" SHALL BE USED TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL, ALONG WITH ADDITIONAL PROTECTIVE MEASURES TO AVOID IMPACTS TO ADJACENT PROPERTIES AND WETLANDS FROM CONSTRUCTION ACTIVITIES. EROSION/SEDIMENTATION IMPACTS SHALL BE KEPT TO A MINIMUM THROUGH THE USE OF BMP's FOR SOIL EROSION AND SEDIMENTATION CONTROL. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED IN THE PLAN SHALL BE IN PLACE PRIOR TO ANY EXCAVATION, GRADING OR FILLING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. THEY SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND THE AREA STABILIZED AS ACCEPTED BY THE ENGINEER. THEY SHALL ALSO COMPLY WITH ODOT'S "HANDBOOK OF SEDIMENT AND EROSION CONTROL."

REMOVAL OF TEMPORARY EROSION CONTROL ITEMS

ALL TEMPORARY EROSION CONTROL ITEMS SHALL BE REMOVED BEFORE THE PROJECT IS ACCEPTED. REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH THE APPROPRIATE C&MS SPECIFICATIONS

RIGHT OF WAY (ROW)

ALL NECESSARY CONSTRUCTION WILL BE PERFORMED WITHIN THE EXISTING RIGHT OF WAY FOR THIS PROJECT.

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY AASHTO 7TH EDITION - 2014, INCLUDING THE 2015 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL 2007.

DESIGN LOADING

HL-93 WITH 60 LBS/SQUARE FT WEARING SURFACE

DESIGN DATA

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4,000 PSI (SUBSTRUCTURE). REINFORCING STEEL - MINIMUM YIELD STRENGTH 60 KSI.

ITEM 611 12' X 7' CONDUIT, TYPE A, 706.05, AS PER PLAN
DESIGN COVER FOR 12' x 7' CONCRETE BOX CULVERT SHALL BE 0' TO 2'. ALL #57 GRAVEL SHALL BE INCLUDED WITH THE UNIT PRICE FOR ITEM 611 12' x 7' CONDUIT, TYPE A, 706.05, AS PER PLAN.

WATERPROOFING

TYPE 2 WATERPROOFING, PER CMS 512.09 AND 711.25 SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE PRECAST CULVERT SECTIONS AND SHALL EXTEND ONE FOOT VERTICALLY DOWN THE SIDES FOR ALL PORTIONS OF THE CULVERT WHICH SHALL BE IN CONTACT WITH THE BACKFILL. PAYMENT FOR THE MEMBRANE WATERPROOFING SHALL BE AT THE CONTRACT PRICE BID PER SQUARE YARD FOR ITEM 512 - TYPE 2 WATERPROOFING.

ITEM 659 SEEDING AND MULCHING, AS PER PLAN
SEEDING AND MULCHING AND 2 INCHES OF TOPSOIL SHALL BE APPLIED TO ALL DISTURBED AREAS.

ITEM 202 FENCE REMOVED FOR REUSE, AS PER PLAN
EXISTING FENCE IS TO BE REMOVED AND STORED FOR REUSE. CONTRACTOR IS TO REINSTALL FENCE AT EXISTING LOCATION. IF FENCE CANNOT BE SALVAGED FOR REUSE, CONTRACTOR SHALL INSTALL NEW FENCE THAT MATCHES STYLE OF EXISTING FENCE. PAYMENT FOR NEW FENCE SHALL BE INCLUDED IN THE CONTRACT PRICE BID PER FOOT FOR ITEM 202 - FENCE REMOVED FOR REUSE, AS PER PLAN.

ITEM 202 STRUCTURE REMOVED, AS PER PLAN
REMOVE STRUCTURE ACCORDING TO CMS 202.03. ALL SANDSTONE FROM STRUCTURE IS TO BE REMOVED AS CAREFULLY AS POSSIBLE TO PREVENT DAMAGE. THE COUNTY WILL RETAIN OWNERSHIP OF ALL SANDSTONE. ALL SANDSTONE IS TO BE LOADED ON COUNTY OWNED TRUCKS FOR TRANSPORT. ALL REMAINING MATERIAL ASSOCIATED WITH THE STRUCTURE REMOVAL SHALL BE THE CONTRACTORS RESPONSIBILITY FOR DISPOSAL.

ITEM 602 MASONRY MISC.: PRECAST CONCRETE BLOCK, AS PER PLAN
THE WINGWALLS SHALL BE PRECAST CONCRETE BLOCKS. THE BLOCKS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATION AND SHALL BE PAID FOR UNDER THE LUMP SUM FEE FOR ITEM 602 MASONRY MISC.: PRECAST CONCRETE BLOCK. BLOCK GROUND REINFORCING , IF REQUIRED BY THE MANUFACTURER, SHALL BE INSTALLED AS PER THE MANUFACTURER'S REQUIREMENTS. THIS ITEM SHALL INCLUDE ALL MATERIALS AND LABOR INCLUDING AGGREGATE LEVELING PAD, GROUND REINFORCING, DRAIN PIPE, AND ANY OTHER ITEMS TO INSTALL.

| ITEM | ITEM | GRAND | UNIT | DESCRIPTION |
|------|-------|-------|------|---|
| | EXT | TOTAL | | |
| 201 | 11000 | LS | | CLEARING AND GRUBBING |
| 202 | 11001 | LS | | STRUCTURE REMOVED, AS PER PLAN |
| 202 | 75201 | 15 | FT | FENCE REMOVED FOR REUSE, AS PER PLAN |
| 203 | 20000 | 33 | CY | EMBANKMENT |
| 304 | 20000 | 14 | CY | AGGREGATE BASE |
| 503 | 11100 | LS | | COFFERDAMS AND EXCAVATION BRACING |
| 503 | 21320 | LS | | UNCLASSIFIED EXCAVATION, INCLUDING ROCK |
| 509 | 10000 | 590 | LB | EPOXY COATED REINFORCING STEEL |
| 511 | 46510 | 11 | CY | CLASS QC1 CONCRETE, FOOTING |
| 512 | 33000 | 72 | SY | TYPE 2 WATERPROOFING |
| 601 | 10970 | 16 | SY | RIPRAP, TYPE A |
| 602 | 98000 | LS | | MASONRY, MISC.: PRECAST CONCRETE BLOCK, AS PER PLAN |
| 611 | 95901 | 40 | FT | 12' X 7' CONDUIT, TYPE A, 706.05, AS PER PLAN |
| 613 | 41200 | 170 | CY | LOW STRENGTH MORTAR BACKFILL |
| 623 | 10000 | LS | | CONSTRUCTION LAYOUT STAKES AND SURVEYING |
| 624 | 10000 | LS | | MOBILIZATION |
| 659 | 00501 | LS | | SEEDING AND MULCHING, CLASS 1, AS PER PLAN |
| 832 | 30000 | LS | | EROSION CONTROL |