PRECISION Planning Inc.

RE: MCNUTT CREEK SEWER CONNECTOR PHASE II
OCONEE COUNTY, GEORGIA

PROJECT NO. E13-128

FROM: PRECISION PLANNING, INC.
(770) 267-8800

TO: PROSPECTIVE BIDDERS

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS AND MODIFIES THE ORIGINAL BIDDING DOCUMENTS FOR THE REFERENCED PROJECT DATED SEPTEMBER 2016.

The following items of the contract documents are modified as part of this addendum:

1. Only firms in attendance at the Pre-bid meeting held on Tuesday, October 11, 2016 are eligible to submit bids for the project. A copy of the sign-in sheet for the Pre-bid meeting is attached.

2. Time is of the essence in awarding and initiating construction of the project. Oconee County's projected schedule is to award the project at its October 25, 2016 Board of Commissioners meeting and issue a Notice to Proceed by November 7, 2016. The selected contractor shall be prepared to complete and submit the post-award documents, as listed in Section 00100, Article 2 of the Bid Documents, for County review by no later than November 3, 2016.

3. The project is expected to include funding through the Georgia Environmental Finance Authority's (GEFA) Clean Water State Revolving Loan Fund (CWSRF). Bids shall include all costs necessary for Contractor compliance with the CWSRF requirements as outlined in Section 00812 and 00830 of the Bid Documents as well as requirements related to the American Iron and Steel Act (Section 00825). All costs associated with CWSRF compliance shall be considered as overhead and included in the unit or lump sum prices for each Bid as described in Section 00100, Article 9 of the Bid Documents.

4. Goals for meeting requirements related to Disadvantage Business Enterprises (DBE) are included in Section 00812 of the Bid Documents.

5. Plan Sheet 2, Note 26.F: Shin cutters and other similar equipment are acceptable for use in clearing operations within the JMCC construction limits.

6. Ductile iron pipe shall be at least Pressure Class 250.

7. **State Route 10 Loop (Athens By-Pass) Crossing**

   a. The Bid Form (Section 00300) has been revised to include Mandatory Bid Alternate Item 6.01.1 to install the casing at the project's crossing of SR 10 Loop using tunneling instead of jack and bored casing.

   b. Specifications for construction of the tunnel liner and carrier pipe are included as Section 02305 of the Bid Documents. A copy of Section 02305 is attached to this addendum.

c. Measurement and Payment (Section 01025): The following item is added to Section 01025 for the use of tunneling for installation of the section of 18-inch sewer line crossing State Route 10 Loop:

3.26 TUNNEL LINER

The basis of payment for this item shall be linear foot from bulkhead to bulkhead along the axis of the tunnel. Payment shall include earth excavation, rock excavation, tunneling operations, sheeting and shoring, lumber left in place, concrete, grout or sand fill, brick masonry, liner plates, bolts and other fasteners, carrier pipe, spacers, furnishing the services of qualified representatives of liner plate manufacturer and the furnishing of all necessary tools, equipment, labor and materials to complete the Work.

8. **Bore Installation:** Item 6 of the Bid Form (Section 00300-2) has been revised to include the following four sub-items:

| Item No. | Description | Unit | Est. # of Units | Unit Price Bid | Total for Item |
|---|---|---|---|---|---|
| **6** | **Bore Installation** | | | | |
| 6.01 | Jack and Bore complete including 36" Dia. Steel Casing and 18" Dia. DIP Carrier Pipe | LF | 410 | _____ Dollars and Cents<br>_____<br>(Unit Price in Words) | _____ |
| 6.02 | Jack and Bore complete including 30" Dia. Steel Casing and 18" Dia. DIP Carrier Pipe | LF | 1,015 | _____ Dollars and Cents<br>_____<br>(Unit Price in Words) | _____ |
| 6.03 | Rock Bore Adder for 36" Dia. Steel Casing | LF | 200 | _____ Dollars and Cents<br>_____<br>(Unit Price in Words) | _____ |
| 6.04 | Rock Bore Adder for 30" Dia. Steel Casing | LF | 400 | _____ Dollars and Cents<br>_____<br>(Unit Price in Words) | _____ |

9. **Jack and Bored Casing - Sta 124+05 to Sta 130+65:** Plan Sheet 2, Note 26.I

The option to provide two separate bores in lieu of a single, continuous bore for this section of sewer line may include the installation of a manhole between the two bored casings. Contractor shall provide a minimum slope of at least 0.20% in each of the two bored line segments and a minimum of 0.1 ft. manhole drop without reducing sewer line slopes either upstream or downstream of the two bores in this section of line. Payment for installation of the manhole, additional vertical feet of manhole and any sewer line installed via open cut trench between the two casings will be paid for in accordance with the unit Bid Price for each individual item.

10. **Sanitary Sewer**

    a. SDR-26 PVC pipe meeting ASTM Specification D-3034 (8-inch diam.) or ASTM F-679 (18-inch diam.) is an acceptable substitute for ductile iron pipe. PVC pipe shall have a cell classification of 12364-B as defined in ASTM D-1784 and shall have ductile iron pipe size outer diameter and rubber gasket bell and spigot type joint ends.

    b. Class "C" bedding shall be used for installation of ductile iron pipe. Class "B" bedding shall be used for installation of PVC pipe.

    c. Bid Form (Section 00300): Revise Items 8.01-8.13 to identify pipe as either DIP or PVC.

    d. Measurement and Payment (Section 01025, Article 3.17): No separate payment shall be made for sanitary sewer type of material (DIP vs PVC) installed. Payment shall be based on size and applicable depth only as shown in the Bid Schedule.

11. Plan Sheet 2, Note 8: Delete this note. Installation of orange barrier fence is not required for this project.

12. Plan Sheet 2, Note 26.L: CONTRACTOR is not required to install stone subgrade for cart paths encountered within the construction limits. Subgrade for cart paths is included in WORK described in Plan Sheet 2, Note 26.O.

13. Plan Sheets 7 and 8: CONTRACTOR shall conduct his operations so as to avoid encroachment of tee boxes on JMCC Hole 17. Movement of equipment and materials between the ends of the bore across JMCC Hole 14 shall be limited to within the permanent easement at the toe of slope of the tee box.

14. Pre-cast manhole inverts are acceptable for this project.

15. Plan Sheet 5: CONTRACTOR will be allowed to remove and replace asphalt at the end of the driveway to the golf cart barn off of Chambers Court, if needed to ease the access of vehicles onto the project site. CONTRACTOR shall present action plan for this WORK at the Pre-construction Meeting for review and approval by ENGINEER and JMCC staff. CONTRACTOR is responsible for all costs associated with the access improvements.

16. A copy of the revised Bid Form is attached to this addendum to address changes described in Addendum 1 items 7 (Bid Alternate Item 6.01.1), 8 (Bid Items 6.01-6.04) and 10 (Bid Items 8.01-8.13).

## END OF ADDENDUM NO. 1

SECTION 02305

TUNNEL LINER

## PART 1 GENERAL

### 1.01 SCOPE OF WORK

A. This item covers the driving of a tunnel, furnishing and installing steel plates for tunnel liner, pressure grouting and, where required, furnishing and erecting brick portals to close each end of the tunnel all in accordance with Plan line, grade and dimensions, and the applicable portions of the Georgia Department of Transportation Standard Specifications.

B. The method of construction for tunnel liner and manner of doing work shall be that selected by the CONTRACTOR but subject, at all times, to the prior approval by the ENGINEER. Unlined tunneling shall not be permitted.

C. Prior to any work involving explosives, the CONTRACTOR (or OWNER) shall make application to the Georgia Department of Transportation for a special permit which will be in addition to any tunneling permit not involving explosives.

D. Issuance of the special permits will be contingent upon submission and approval of the proposed operational procedures as outlined in the permit form.

E. The CONTRACTOR shall schedule the work so as not to interfere with or in any way endanger traffic flow on the highway or railway. The CONTRACTOR shall also provide all required safety measures as specified in the "Manual on Uniform Traffic Control Devices".

### 1.02 REFERENCES

Standard Specifications, Construction of Roads and Bridges, Latest Edition - Department of Transportation, State of Georgia.

### 1.03 QUALIFICATIONS

Tunneling operations shall be performed by a qualified contractor who has constructed at least five (5) similar installations and have been in continuous successful operation for not less than five (5) years.

### 1.04 SUBMITTALS

A. Submit for ENGINEER’S approval evidence of tunnel lining experience as specified in Article 1.03 of this specification.

B. Complete engineering design data and product information pertaining to the materials to be used in the construction of the tunnels shall be submitted to the OWNER prior to the commencement of the tunneling efforts. All submittals shall be made in accordance with Section 01300 of these specifications.

C. The CONTRACTOR shall submit to the ENGINEER and GDOT when work is within a state road right-of-way, all working drawings and schedules of procedure proposed to be followed in the prosecution of the WORK under this item.

D. Working drawings shall show in detail the means and methods of tunneling operations together with all sheeting and shoring, materials of construction and installation, and all other structural details together with large scale plan and profile of the proposed tunneled pipe installation and affected structures.

E. Schedules shall set forth the sequence of the various operations together with the time the CONTRACTOR proposals to begin and complete the several phases of the WORK.

F. The CONTRACTOR shall not proceed with the WORK until final approval has been given by the ENGINEER and GDOT, where applicable.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

Subject to compliance with the requirements, provide products by one (1) of the following: Warren, Contech, Commercial Pantex Sika Inc., or approved equal.

### 2.02 TUNNEL LINER PLATES

A. Have the panels formed inward and made at least of No. 8 gauge (.1644 inches) standard tunnel liner plates for Warren and Commercial liner plates and at least of No. 10 gauge (.1345 inches) tunnel liner plates for Contech liner plates.

B. The plates shall be hot rolled, cold formed steel conforming to ASTM A1011/A1011M with the following mechanical properties before cold forming:

| | |
|---|---|
| Tensile strength = | 49,000 psi |
| Yield strength = | 30,000 psi |
| Elongation, 2 inches = | 25% |

C. Galvanizing, bituminous coating and bolts shall be in compliance with the applicable portion of Georgia Department of Transportation Standard Specifications, Section 844.

### 2.03 GROUT

Grout shall consist of one part Portland cement, two parts masonry line, four parts mortar sand, 2% of an approved admixture, i.e., Bentonite, Septamine Stearex, or Hydrocide Liquid, and where required, a retardant. The quantity of mixing water used shall be that which will produce a workable mixture of group capable of being pumped into the voids created by the tunneling. “Flowable Fill Grout” may be used if approved by ENGINEER.

2.04 BRICK

Brick for portal (bulkhead) shall conform to Georgia Department of Transportation Standard Specifications Section 834.

PART 3 EXECUTION

3.01 BULKHEADS

A. The ends of the tunnel liner shall be sealed with brick bulkheads using brick and mortar as indicated on the Drawings.

B. All sheeting placed for the tunnel operations must be completely removed by the CONTRACTOR.

3.02 CONTRUCTOIN PROCEDURE

Unless otherwise specified or approved by the ENGINEER, follow 3.06 the construction procedure outlined in paragraphs 3.03 Excavation, 3.04 Grouting, 3.05 Liner Plates, 3.06 Installation of Carrier Pipe and 3.07 Safety Precautions of this specification.

3.03 EXCAVATION

A. Excavate and dispose of all materials whatever character encountered, including rock, within the external limits of the tunnel, in such a manner as to assure no settlement in the ground or structures over or near the tunnel. Conform to the outside of the tunnel section as nearly as possible.

B. Fill voids formed outside of liner plates by the removal of rock by packing with cement mortar as directed by the ENGINEER.

C. In the finished excavations, no deviation in excess of four (4) inches from the lines and grades given shall be tolerated. Remedy any excess deviation.

D. Where tunneling is done with the use of a shield, CONTRACTOR shall have the shield designed by an experienced designer, subject to the approval of the ENGINEER. Make shield structurally sufficient to carry all loads that may be imposed upon it and equip it with steering devices and sufficient number of jacks to propel the shield accurately to line and grade. Carry jack reactions into the liner plates and sufficient number of rings back of the shield to properly distribute the thrust. Use timber breastworks if necessary to cause the angle of repose of the excavated material to fall within the limits of the shield.

E. If poling plates are used in lieu of a shield, make of steel and of an interlocking design adequate for the WORK.

## 3.04 GROUTING

A. Grout the space between the plates and the excavation. As specified, as indicated on the Drawings, the carrier pipe shall be inserted into the space inside of the liner plates; placed upon approved skids or insulators (for mains with diameters of 6-inches or greater) previously set in the tunnel. The ends of the tunnel shall be sealed with brick bulkheads using brick and mortar as indicated on the Drawings.

B. Grouting shall be subject to the approval of the ENGINEER. All voids in the area outside the plates shall be pressure grouted every 10 feet, at the end of the work shift, or more frequently if soil conditions dictate. Before grouting any segment of tunnel liner, that segment shall be sealed sufficiently between the liner plates and the surrounding soil to retain the grouting pressure. These seals shall be located as follows:

- At the entrance of the tunnel
- Between grout intrusion nipples
- Between one (1) foot of the end of the tunnel at the end of the work shift

C. Perform grouting by a suitable machine, capable of forcing grout into all voids which it is desired to fill. A maximum pressure of 50 pounds per square inch at the grouting nipple may be required.

D. Take care to avoid causing grout to flow into pipes or conduits. If grout flows into pipe or conduits, remove it.

## 3.05 LINER PLATES

A. Line tunnel excavation with rolled or pressed steel liner plates of the quality and type herein specified. Assemble liner plates in a true circle having an outside diameter in place as specified, as indicated on the Drawings.

B. Provide at least one-sixth ($1/6^{th}$) of the plates with grout holes; tapped for 1-1/2 inch pipe and provide with cast iron screw plugs.

C. Steel liner plates shall be installed as soon as possible, but no more than five feet (5’) of tunnel shall remain unlined while tunneling operations are in progress. Not more than one foot (1’) of tunnel shall be left unlined at the end of the day’s operation.

D. Liner plates shall be installed in accordance with the manufacturer’s recommendation and shall be self-supporting.

E. Punch all plates for ¾ inch bolts and use all bolt holes in installing. Upon completion of any ring of liner plates, retighten bolts in the two (2) rings previously completed.

F. The use of steel liner plates shall not relieve the CONTRACTOR of full responsibility to property shore, brace, and protect the tunnel excavation. Provide such temporary supports as may be necessary to properly support the face of the headings and the roof and sides of the tunnel until the sewer pipe has been installed and the cradle and sand or grout fill has been placed.

G. Completely excavate, place the steel lining, and grout each section of tunnel as specified, as indicated on the Drawings, or as directed by the ENGINEER for the entire distance between shafts or headings before pipe is placed.

H. Damaged spelter coating shall be repaired in accordance with the Georgia Department of Transportation Standard Specifications Section 645. Any plates having damaged spelter or bituminous coatings shall be repaired or replaced at the CONTRACTOR'S expense.

3.06 INSTALLATION OF CARRIER PIPE

A. Check the alignment and grade of the tunnel and prepare a plan to set the carrier pipe at proper alignment, grade and elevation without sags or high points.

B. Cushion pipe joints, as necessary, to transmit jacking forces without damage to the pipe or pipe joints.

C. Joints shall be restrained joint type equal to American "Flex-Ring" or "Fast-Grip" or U.S. Pipe "TR Flex" or "Field-Lok Gasket". No field welding of restrained joint pipe will be permitted.

D. The pipe shall be supposed within the tunnel by use of spacers sized to limit radial movement to a maximum of 1 inch. Provide a minimum of two (2) spacers per nominal length of pipe. Spacers shall be attached to the pipe at maximum 10-foot intervals. Spacers shall also be provided within two (2) feet of each end of the tunnel. Spacers shall meet requirements of Article 2, Section 203, Part 203.03C of the Oconee County Utility Department Water and Wastewater Standards and Specifications.

E. Acceptance criteria for the carrier pipe shall be plus or minus two (2) inches in elevation from the Drawings.

F. In the event a section of pipe is damaged during jacking or joint failure occurs, as evidenced by inspection, visible ground water inflow or other observations, the CONTRACTOR shall submit for ENGINEER's approval

3.07 SAFETY PRECAUTIONS

A. The tunneling operation is to begin in a pit sheeted and shored as necessary, and begin at and proceed from one end. All of the applicable requirements of Georgia Department of Transportation Standard specifications, Construction of Roads and Bridges, Section 615, latest edition shall be observed. The CONTRACTOR shall conduct the operations in such a manner that all WORK shall be performed below the level of the roadbed. The CONTRACTOR shall be responsible for coordinating and scheduling all of the WORK with the Georgia Department of Transportation (GDOT).

B. All tunneling work, at one particular location, shall be completed before WORK is started at another location.

C. If the tunnel installation WORK is being conducted in a manner detrimental to the over passing roadway, or to the safety of the traveling public, all operations of tunneling shall cease until the necessary safety precautions have been made. In the event that distress occurs to the roadway due to the tunneling, the CONTRACTOR shall be required to submit to the ENGINEER, for approval by GDOT, a plan to repair the roadway as well as incur the costs of repair.

D. A temporary bulkhead against the face of the excavation shall be provided and well braced during each cessation of work while the heading is within twenty feet (20') of railroad tracks or highway pavement.

E. Furnish and maintain an adequate forced ventilation installation and comply with all the requirements and regulations of the State of Georgia and such other public bodies as have jurisdiction.

F. Do not consider air from pneumatic tools and equipment as ventilating air. Make suitable provisions for abating dust during construction.

G. Make first aid equipment appropriate to WORK of this nature, available at all times.

H. Furnish and maintain an adequate lighting system as required by the WORK, or as directed by the ENGINEER.

I. Provide and maintain all shoring and sheeting necessary for the safety of workers.

END OF SECTION

SECTION 00300

BID FORM

# McNUTT CREEK SEWER CONNECTOR PHASE II
# FOR THE
# OCONEE COUNTY BOARD OF COMMISSIONERS

THIS BID IS SUBMITTED TO:

Oconee County Board of Commissioners
P.O. Box 1527, Room 206
23 North Main Street
Watkinsville, Georgia 30677 *(Hereinafter called "Owner")*

THIS BID IS SUBMITTED BY:

*(Name)*
*(Address)*

*(Telephone)* *(Hereinafter called "Bidder")*

BIDDER, in compliance with the Advertisement for Bids for the construction of this project, having examined the Drawings and Specifications with related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project, including the availability of materials and labor, hereby proposes to furnish all labor, materials and supplies, and to construct the project in accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the price(s) stated below. This price(s) is to cover all expenses including overhead and profit incurred in performing the Work required under the CONTRACT DOCUMENTS, of which this proposal is a part.

**BID SCHEDULE**
**McNUTT CREEK SEWER CONNECTOR PHASE II**
**FOR THE OCONEE COUNTY BOARD OF COMMISSIONERS**

| Item No. | Description | Unit | Est. No. of Units | Unit Price Bid | Total for Item |
|---|---|---|---|---|---|
| **1** | **Geotechnical Testing (Allowance)** | LS | 1 | $4,000.00 Dollars and Cents<br>Four Thousand and 00/100 (Unit Price in Words) | $4,000.00 |
| **2** | **Stormwater/Erosion Control Monitoring Program** | LS | 1 | Dollars and Cents<br>(Unit Price in Words) | |
| **3** | **Video Taping of Sewer Line Route** | LS | 1 | Dollars and Cents<br>(Unit Price in Words) | |
| **4** | **Rock Removal** | CY | 1,500 | Dollars and Cents<br>(Unit Price in Words) | |
| **5** | **Temporary Erosion Control** | LS | 1 | Dollars and Cents<br>(Unit Price in Words) | |
| **6** | **Bore Installation** | | | | |
| 6.01 | Jack and Bore complete including 36” Dia. Steel Casing and 18” Dia. DIP Carrier Pipe | LF | 410 | Dollars and Cents<br>(Unit Price in Words) | |
| 6.02 | Jack and Bore complete including 30” Dia. Steel Casing and 18” Dia. DIP Carrier Pipe | LF | 1,015 | Dollars and Cents<br>(Unit Price in Words) | |
| 6.03 | Rock Bore Adder for 36" Dia. Steel Casing | LF | 200 | Dollars and Cents<br>(Unit Price in Words) | |
| 6.04 | Rock Bore Adder for 30" Dia. Steel Casing | LF | 400 | Dollars and Cents<br>(Unit Price in Words) | |

**BID SCHEDULE**
**McNUTT CREEK SEWER CONNECTOR PHASE II**
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| Item No. | Description | Unit | Est. No. of Units | Unit Price Bid | Total for Item |
|---|---|---|---|---|---|
| **7** | **Manholes** | | | | |
| 7.01 | Standard 4'-0" Manhole including base, cone, riser, frame, watertight cover complete, 0'-6' of depth | EA | 36 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 7.02 | Standard 5'-0" Manhole including base with transition slab | EA | 8 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 7.03 | Additional Vertical Feet of 4'-0" Manhole | VF | 314 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 7.04 | Outside Drop | EA | 5 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 7.05 | Manhole Abandonment | EA | 5 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 7.06 | Manhole Demolition | EA | 6 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 7.07 | Connect Existing 8" PVC Line to New Manhole B-35 | LS | 1 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 7.08 | Connect Existing 18" Sewer Line to Existing Manhole | EA | 2 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 7.09 | Connect Existing 8" Sewer Line to Existing Manhole | EA | 1 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |

**BID SCHEDULE**
**McNUTT CREEK SEWER CONNECTOR PHASE II**
**FOR THE OCONEE COUNTY BOARD OF COMMISSIONERS**

| Item No. | Description | Unit | Est. No. of Units | Unit Price Bid | Total for Item |
|---|---|---|---|---|---|
| **8** | **Sanitary Sewer** | | | | |
| 8.01 | 8" Dia. DIP/PVC Gravity Sewer Construction 0.00' to 6.00' Cut | LF | 130 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.02 | 8" Dia. DIP/PVC Gravity Sewer Construction 6.01' to 8.00' Cut | LF | 29 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.03 | 8" Dia. DIP/PVC Gravity Sewer Construction 8.01' to 10.00' Cut | LF | 19 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.04 | 18" Dia. DIP/PVC Gravity Sewer Construction 0.00' to 6.00' Cut | LF | 149 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.05 | 18" Dia. DIP/PVC Gravity Sewer Construction 6.01' to 8.00' Cut | LF | 1,827 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.06 | 18" Dia. DIP/PVC Gravity Sewer Construction 8.01' to 10.00' Cut | LF | 1,820 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.07 | 18" Dia. DIP/PVC Gravity Sewer Construction 10.01' to 12.00' Cut | LF | 2,653 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.08 | 18" Dia. DIP/PVC Gravity Sewer Construction 12.01' to 14.00' Cut | LF | 1,087 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.09 | 18" Dia. DIP/PVC Gravity Sewer Construction, 14.01'-16.00' Cut | LF | 536 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |

**BID SCHEDULE**
**McNUTT CREEK SEWER CONNECTOR PHASE II**
**FOR THE OCONEE COUNTY BOARD OF COMMISSIONERS**

| Item No. | Description | Unit | Est. No. of Units | Unit Price Bid | Total for Item |
|---|---|---|---|---|---|
| 8.10 | 18" Dia. DIP/PVC Gravity Sewer Construction, 16.01'-18.00' Cut | LF | 215 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.11 | 18" Dia. DIP/PVC Gravity Sewer Construction, 18.01'-20.00' Cut | LF | 68 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.12 | 18" Dia. DIP/PVC Gravity Sewer Construction, 20.01'-22.00' Cut | LF | 137 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.13 | 18" Dia. DIP/PVC Gravity Sewer Construction, 22.01'-24.00' Cut | LF | 94 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.14 | 8" Gravity Sewer Demolition | LF | 1,350 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.15 | 8" Gravity Sewer Line Abandonment | EA | 4 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| 8.16 | Reconnection of Existing Sewer Services | EA | 7 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| **9** | **Minor Creek Crossing with 18" Dia. Restrained Joint DIP – Complete** | LF | 100 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| **10** | **Supplemental Tree Planting Allowance** | LS | 1 | $5,000.00 Dollars and Cents<br>Five Thousand and 00/100 (Unit Price in Words) | $5,000.00 |

**BID SCHEDULE**
**McNUTT CREEK SEWER CONNECTOR PHASE II**
**FOR THE OCONEE COUNTY BOARD OF COMMISSIONERS**

| Item No. | Description | Unit | Est. No. of Units | Unit Price Bid | Total for Item |
|---|---|---|---|---|---|
| **11** | **Gabions** | CY | 70 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |
| **12** | **Early Completion Allowance (Sta 87+25 to Sta 138+00)** | LS | 1 | $21,000.00 Dollars and Cents<br>Twenty One Thousand and 00/100 (Unit Price in Words) | $21,000.00 |
| **13** | **Unforeseen Work Conditions Allowance (Sta 87+25 to Sta 138+00)** | LS | 1 | $35,000.00 Dollars and Cents<br>Thirty Five Thousand and 00/100 (Unit Price in Words) | $35,000.00 |

**********************EXTRA WORK, IF AUTHORIZED BY THE OWNER*************************

| | | | | | |
|---|---|---|---|---|---|
| **EW.1** | Additional Crushed Stone Bedding, including Excavation of Unsuitable Material | CY | 700 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |

**TOTAL AMOUNT BID (Including Extra Work)**

**Dollars & Cents ($_____)**

**Price in Words: _____**

**NOTE: Amounts shall be shown in words and figures; the amount written in words shall take precedence.**

**MANDATORY ALTERNATE BID FOR ITEM NO. 6.01**

| | | | | | |
|---|---|---|---|---|---|
| **6.01.1** | **Tunnel Lining** | LF | 410 | _____ Dollars and Cents<br>_____ (Unit Price in Words) | _____ |

**BID SCHEDULE**
**McNUTT CREEK SEWER CONNECTOR PHASE II**
**FOR THE OCONEE COUNTY BOARD OF COMMISSIONERS**

BIDDER hereby agrees to commence work under this contract on or before a date to be specified in a written "Notice to Proceed" from the OWNER and to fully complete WORK within a total construction time of one hundred eighty (180) consecutive calendar days of the date specified in this "Notice to Proceed".

BIDDER acknowledges receipt of the following addenda:

| Addendum No. | Date Received |
|---|---|
| | |
| | |
| | |
| | |

BIDDER agrees to perform all of the construction of the project complete with appurtenances and accessory work described in the Specifications and shown on the Drawings for the above scheduled price(s).

The above scheduled price(s) shall include all labor, materials, bailing, shoring, removal, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for.

BIDDER understands that OWNER reserves the right to reject any or all bids and to waive any informalities in the bidding.

BIDDER agrees that his bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving bids.

Upon receipt of the written notice of the acceptance of this bid, BIDDER will execute the formal Contract attached within ten (10) days and deliver a surety bond or bonds, as required by the General Conditions. The bid security attached in the sum of five (5%) percent of the total bid is to become the property of the OWNER in the event the Contract and bond are not executed within the time set forth, as liquidated damages for the delay and additional expense to the OWNER caused thereby.

Respectfully Submitted: Name: _____

Address: _____

_____

Phone No.: _____

FEDERAL TAX NO. OR
SOCIAL SECURITY NO.: _____

Signature of Principal: _____

Title: _____

Date: _____

Telephone: _____

ATTEST:

Signature: _____
Corporate Secretary/Partner/Notary

(SEAL)

Name: _____
(Please type)

**NOTE: Attest for a corporation must be by the corporate secretary; for a partnership by another partner; for an individual by a Notary.**

END OF SECTION