

THE WATER AND SEWER AUTHORITY OF CABARRUS COUNTY (WSACC)

LOWER CODDLE CREEK PARALLEL INTERCEPTOR PROJECT

February 1, 2024

To: All Holders of Contract Documents

Subject: Addendum No. 3

Please make the following revisions/changes to the contract documents:

Contract Documents and Technical Specifications Revisions

1. 00 02 00 Invitation to Bid

REVISE bid opening date from "2 p.m., local time, February 7, 2024" to "2 p.m., local time, February 21, 2024".

Explanation: Bid opening date has been revised.

2. 00 30 00 Bid Form

REVISE quantity of Bid Item 3l 48-Inch DIP (Any Depth) from 2352 LF to 886 LF.

Explanation: Incorrect quantity shown. Cost for pipe associated with buried stream crossings to be included in Items 4 and 52.

REVISE Bid Item 4 as noted below:

Item 4g – from "109+55" to "109+65"

Item 4k – from "160+21.03" to "160+19.03" and "100 LF" to "102 LF"

Item 4l – from "115 LF" to "116 LF"

Item 4m – from "186+48.33" to "187+06.28"

Explanation: Correction to Buried Stream Crossing bid item lengths and/or stationing.

REVISE Bid Item 52 as noted below:

Item 52a – from "16+78 to 18+38" to "16+78.97 to 18+42.97" and "160 LF" to "164 LF"

Item 52b – from "32+93 to 33+93" to "32+88.64 to 33+97.42" and "100 LF" to "109 LF"

Item 52c – from "40+77 to 41+73" to "40+72.86 to 41+77.33" and "96 LF" to "104 LF"

Item 52d – from "55+50 to 56+50" to "55+49.69 to 56+53.69" and "100 LF" to "104 LF"

Explanation: Correction to Buried Stream Crossing bid item lengths and/or stationing.

REVISE Bid Item 54 as noted below:

Item 54a – from "133.3 LF" to "127.27 LF"

Explanation: Correction to linear footage to reflect NCDOT encroachment permit.

REVISE Bid Item 7 and 56 strike "DIP".

Explanation: Manhole vent Pipes shall be steel.

REVISE Bid Item 64 from "Maintenance of Erosion and Sediment Control Devices (Must Equal 25% of the Sum of Items 62 to 66)" to "Maintenance of Erosion and Sediment Control Devices (Must Equal 25% of the Sum of Items 59 to 63)".

Explanation: Correction to sum of bid items.

3. 01 22 00 Measurement and Payment

REPLACE "Items 7 and 56- 3-inch DIP Vent Pipe" with "Items 7 and 56- 3-inch Vent Pipe"

Explanation: Manhole vent Pipes shall be steel.

Item 22 and 64, REPLACE "Items 16-20" with "Items 16-21". ADD at end of first paragraph, "For Line Item 64, the lump sum shall be minimum twenty five percent of the combined bid totals for Bid Items 59-63".

4. 33 05 07.23 Utility Boring and Jacking

REPLACE Part 2.01.A.2 "Casing pipe shall be a diameter of 84" with "Casing pipe shall be a diameter of 60".

Explanation: Requirements specification to match plan.

REPLACE Part 2.01.A.3 "Minimum wall thickness for casing pipe is 1"" with "Minimum wall thickness for casing pipe is 0.5"".

Explanation: Requirements revised to meet NCDOT encroachment permit.

Contract Documents and Technical Specifications Clarification

1. Project questions and responses are included as Attachment 1 of the Addendum.
2. Existing pipe materials for sanitary sewers to be lined are included in Table 1 as Attachment 2 of the Addendum.
3. Contractor shall be responsible for disposal of all waste material from sewer cleaning operations as per the project documents. Disposal of waste material at Owner facilities will not be allowed.
4. All new manholes shall be polymer lined as per Bid Items 8 & 57.
5. Any repairs or corrective measures required for existing pipe located under the railroad and NC-49 shall be eligible for additional payment and are not included in the bid.
6. Field office will be required.
7. Buy American and Buy America (BABA) requirements do not apply to the project. American Iron and Steel requirements do apply.
8. All excess spoil material generated within the floodplain must be hauled off site. Post construction grades and contours shall match pre-existing grades.
9. MBE or WBE (DBE) Compliance:

- a. Participation goal is 10% (combined) MBE/WBE
 - b. DBE, MBE, WBE, and NC HUB certified firms count toward the goal.
 - c. NCDOT, NCDOA (NC HUB), and Sam.gov are sources for contractors.
10. Owner's Contingency of 5% will be added to Bid Form in future addenda.

Attachments to Addendum 3

- 1. Attachment 1 - Questions and Responses
- 2. Attachment 2 – Existing Sewer Pipe Material Table

END OF ADDENDUM 3



THE WATER AND SEWER AUTHORITY OF CABARRUS COUNTY (WSACC)

LOWER CODDLE CREEK PARALLEL INTERCEPTOR PROJECT**Attachment 1 – Questions and Responses**

February 1, 2024

1. 00 30 00 Bid Form

Question: Please clarify, Owner's Contingency is mentioned in Specification Section 00 30 00 Page 8 of 12, first sentence top of page, but there is not an item listed in the Bid Form.

Response: See Addendum 3 for clarification.

2. 00 73 00 (a) MBE/WBE (DBE) Compliance Supplement

Question: Clarification is needed on how "Minority Business Participation" plan is defined. Some notes referred to a DBE subcontractor; others referred to MBE and WBE with a different certification agency. Some contractors are certified minority or women business but are NOT DBE certified.

Response: DBE is the umbrella term that includes MBE and WBE. NCDOT, NCDOA (NC HUB), and Sam.gov are the certifying agencies typically used. The eligibility requirements for being a DBE subcontractor differ from those for other certified agencies. Firms can not self-certify and must be certified by a certifying agency. DBE, MBE, WBE, and HUB certified firms would count toward any of the 3 required solicitations for a trade. See Addendum 3 for further clarification.

Question: The eligibility requirements for being a DBE subcontractor differ from those for other certified agencies, and typically, federal money is required when Davis Bacon Wages are required. Is there a DBE goal for the Coddle Creek project? If yes, please confirm that only firms certified as DBE prime or subcontractors can be counted toward this goal.

Response: The goal is 10% as per Section 00 73 00 (a). The requirement is to solicit to at least 3 MBE/WBE certified firms for each trade subcontracted out. If you do not solicit to at least 3 MBE/WBE firms, then you must provide proof of an advertisement in a DBE trade paper or other DBE source. Only certified DBE firms count toward this goal. See Addendum 3 for further clarification.

3. 01 22 00 Measurement and Payment

Question: Seen in M&P for items 3 and 51, "Pipe shall be considered for payment after CCTV inspection (when required), compaction and pipeline acceptance testing have been performed, completed, and accepted." Please consider removing these stipulations. Compaction testing is to be performed by G&D, who is a contract-mandated third party entity. CCTV has to be completed and then reviewed/accepted by the owner, a second party entity. Those are two possible delay points, of which the Contractor has no control over, that would prevent the Contractor from getting paid for pipe they have installed.

Response: Payment shall be per the project documents.

4. 03 30 00 Cast-in-Place Concrete

Question: Project has "minimum" aggregate size. Generally, there is a "maximum" aggregate size. This will force us to use a 467 stone for the duct bank.

Response: If it is preferred to use a smaller stone for duct banks, like a #57, that is acceptable. The other listed sizes for mixes shall be the size listed with no exception.

Question: 4000 and 4500 mixes would exceed the max cementitious content of 675 lbs. Our mix has to meet strength, cover higher air content of 4.5-7.5% and have over design to be acceptable.

Response: The "total" cementitious content for any of the mixes does not exceed 615 lbs. So if 20 percent fly ash is used, that would be 123 lbs fly ash and 492 lbs cement (total is 615 lbs cement content)

Question: We will need to take exception to moisture content being included in the calculation of our w/c ratios for mix approval. Moisture content changes frequently. Our mixes are designed on SSD condition.

Response: Moisture content shall be based on SSD conditions is correct.

Question: Is type 1L cement acceptable?

Response: Type 1-L is acceptable for the specified Type 1 cement.

Question: Fiber required but no approved type, sources, or dosages.

Response: Per Section 03 30 00.2.02.E, "Fiber Reinforcement – Concrete topping reinforced with fibers shall be in accordance with ASTM C948 or C1116. The fiber manufacturer shall provide the services of a qualified representative to attend the pre-concreting meeting and provide guidance with initial batching and placement."

Question: Xypex will be required but no dosage provided

Response: Per Section 03 30 00.2.03.I, "To certify product usage, a representative of the integral waterproofing manufacturer shall review the project mix design and dosage rate and they must be present at the batch plant and jobsite during initial placement of treated concrete at each specified structure (minimum 2 non-consecutive days). Use "Penetron" (ICS Penetron International, LTD), "Xypex Admix C-Series" (Xypex Chemical Corporation), "Krystol" (Kryton International, Inc.) or equal."

Question: We do not have slag in this market.

Response: Fly ash can be used instead as listed in the concrete mix table (Section 03 30 00.2.01.A).

Question: More often than not water treatment facilities, chemical plants, etc. require testing such as shrinkage and chloride ion. We need to verify whether this testing is going to be required. If so, what are the requirements of the testing, are there specialty materials such as SRA required?

Response: Submittal requirements shall be met as listed in Section 03 30 00.1.04.

5. **03 30 50 Flowable Fill**

Question: Flowable fill requires minimum of 100 psi. We will not have trend data for this.

Response: Lab testing is required just as with other cement/concrete materials.

Question: Flowable fill also requires a max of 100 pcf which is very light and would require us to import a lightweight fine aggregate which would require major discussion and planning.

Lightweight fines are not user friendly.

Response: Flowable fill is required for filling of the annular space at the bore casing at Roberta Road. Flowable fill can be per NCDOT standards.

6. **33 05 07.23 Utility Boring and Jacking**

Question: Please confirm casing pipe under Roberta Rd is to be 60" in diameter and .50" in thickness as indicated on plans, as opposed to 84" in diameter and 1" in thickness as seen in specs.

Response: See Addendum 3 for clarification.

7. **Miscellaneous**

Question: Can the Owner please identify/provide a location for the disposal of sand/debris from the pipe cleaning operations?

Response: See Addendum 3 for clarification.

Question: Will the Owner/Engineer please provide the anticipated NTP for this project?

Response: The estimated date for the Notice to Proceed is April 2024.

Question: Will the Owner/Engineer please provide the estimated budget for this project?

Response: The Owner will not be providing an engineering estimate for this project.

Question: Will the Owner/Engineer please provide any existing CCTV footage of the sanitary sewer that is schedule to be lined with Cured in Place Pie under this contract?

Response: CCTV footage of the existing sanitary sewer will not be provided.

Question: Will the Owner / Engineer please provide information on the existing pipe material for the sanitary sewers to be lined under this contract?

Response: See Addendum 3 for clarification.

Question: Will the Owner/Engineer please provide detail on how the Cured in place pipe repairs are anticipated to be scheduled and completed in relation to the open cut scope of work for Phase 1?

Response: Contractor is responsible for coordinating phasing of installation of new pipe via open cut and existing sanitary sewer rehabilitation work. All work shall be completed by specified project duration.

Question: Are the CIPP repairs anticipated to be completed before, during or after the open cut scope of work for Phase 1?

Response: Contractor is responsible for coordinating phasing of installation of new pipe via open cut and existing sanitary sewer rehabilitation work. All work shall be completed by specified project duration.

Question: Will all new manholes be lined?

Response: See Addendum 3 for clarification.

Question: In the Engineer's opinion, will active shoring be required for each of the following:

- Near existing manholes at 88+09 of Phase 1, where work falls inside North Carolina Railroad right-of-way.
- Near existing manholes at 99+82 and 102+38 of Phase 1. Manholes fall outside the NCDOT right-of-way, but we have noticed the State requires active shoring in the 1:1, sometimes the 2:1, and even of recent, the 2:1 +5'.
- Bore pits for Roberta Rd trenchless crossing on Phase 2. Pits are drawn outside the 1:1, which is typically done to avoid active shoring, but specifications clearly say both pits are to be positively shored.

Response:

As per applicable permits:

- Shoring shall be required within the NCR R/W as per the permit. Approximate limits for temporary shoring are included in the permit drawings.
- No NCDOT permit is applicable to the work near MH's at Sta 99+82 and 102+38. Active shoring will not be required based on permitting.
- Positive shoring will not be required at Roberta Rd crossing unless required by Contractor's shoring designer.

Question: It is clearly communicated that the Contractor is required to dewater, test, and CCTV the existing pipe runs under the railroad and SR-49. However, please confirm that if pre-existing issues are found with either of these runs, that any corrective remedies will be considered out of the normal scope of investigation and will be eligible for additional payment.

Response: See Addendum 3 for clarification.

Question: Will a field office be required, even if the Contractor does not require one?

Response: See Addendum 3 for clarification.

Question: Please confirm any “buy domestic” clauses for this project. Pre-bid presentation indicated project was ARPA funded, which does not carry domestic purchasing requirements. The specs however indicate SRF/AIS funding procedures, which do require domestic project materials.

Response: See Addendum 3 for clarification.

Question: Please confirm that all excess spoil material generated within the 100 year floodplain must be hauled off site, as that represents the near entirety of the project.

Response: See Addendum 3 for clarification.

LOWER CODDLE CREEK PARALLEL INTERCEPTOR PROJECT
Attachment 2 - Existing Sewer Pipe Materials Table

TABLE 1

WSACC ID	Inspection Length (LF)	Pipe Size (in.)	Material	Plan Location
010199-010198	281	30	PVC	R-1/Top
010201-010200	494	30	PVC	R-1/Top
010206-010205	416	30	PVC	R-1/Middle
010232-010231	225	30	PVC	R-1/Bottom
010233-010232	390	30	PVC	R-1/Bottom
010235-010234	68	30	PVC	R-1/Bottom
010237-010236	190	30	PVC	R-1/Bottom
010243-010242	248	30	PVC	R-2/Middle
010244-010243	466	30	PVC	R-2/Middle
010245-010244	238	30	PVC	R-2/Middle
010257-010256	130	30	DIP	R-2/Bottom
010261-010260	102	30	PVC	R-2/Bottom
010262-010261	121	30	PVC	R-2/Bottom
010267-010265	416	30	PVC	R-2/Bottom
010270-010269	263	30	PVC	R-3
010272-010271	311	30	PVC	R-3
010285-010284	365	30	PVC	R-3
010286-010285	280	30	PVC	R-3
010351-010350	320	30	RCP	R-2/Top
010355-010354	440	30	RCP	R-2/Top
010356-010355	422	30	RCP	R-2/Top