

# ADDENDUM No. 4

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**TO:** Prospective Bidders

**FROM:** Donna Johnson, Contracts Administrator

**DATE:** August 8, 2022

**PROJECT:** I-85 North Bridge  
Project No.: 512-15-003  
Bid Number: HC2020-2040

*The following items are being issued herein for modification and clarification to the Bid Requirements for the project referenced above. All Bidders shall acknowledge this Addendum within their submittal.*

## MODIFICATIONS

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### PROJECT MANUAL

- 1) On page 00 75 00-103, *delete* **SP-59, ITS JUNCTION BOX** in its entirety and *replace* with the following:

#### **SP-59, ITS JUNCTION BOX**

##### **1.0 DESCRIPTION**

Furnish and install oversized junction boxes (pull boxes) with covers, graded stone, grounding systems, and all necessary hardware. Comply with Section 1716 of the NCDOT Standard Specifications.

Furnish and install special-oversized junction boxes at underground splice enclosure locations with covers, graded stone, grounding systems, and all necessary hardware.

##### **2.0 MATERIALS**

Material, equipment, and hardware furnished under this section shall be pre-approved on NCDOT's QPL. Refer to Article 1098-5 Junction Boxes and Section 545 Incidental Stone Base.

##### **3.0 CONSTRUCTION METHODS**

Install junction boxes in compliance with all requirements of Section 1716-3 of the NCDOT Standard Specifications.

Install oversized heavy-duty junction boxes with minimum inside dimensions of 30" x 15" x 24" (length x width x depth) for storage of fiber optic communications cables.

Install special oversized heavy-duty junction boxes with minimum inside dimensions of 48" x 48" x 48" (length x width x depth) for underground splice enclosures.

Install junction boxes as shown in the Plans. Comply with Article 1411-3 Electrical Junction Boxes, except as follows:

Install junction boxes flush with finished grade. Do not install sealant compound between junction boxes and covers.

Install junction boxes where underground splicing of cable is necessary and where transitioning from below ground to above ground installation or vice-versa.

**4.0 MEASUREMENT AND PAYMENT**

Junction Box (\_\_\_\_\_) will be measured and paid in actual number of junction boxes of each size and type furnished, installed, and accepted.

No measurement will be made of covers, graded stone, and grounding systems as these will be considered incidental to furnishing and installing junction boxes.

Payment will be made under:

<b>ITS JUNCTION BOX (OVERSIZED)</b> .....	<b>EA</b>
<b>ITS JUNCTION BOX (SPECIAL OVERSIZED HEAVY-DUTY)</b> .....	<b>EA</b>

- 2) On page 00 75 00-154, *change* the following in the eighth sentence of the first paragraph under **ARTICLE 3: CHARLOTTE WATER SPECIAL PROVISIONS – (SPU)** subarticle **EXISTING UTILITIES:**

The cost of such supervision, if any, shall be borne by the ~~Contractor~~ Utility owner.

**QUESTIONS & ANSWERS**

- 1. Are pay items “67 Demonstration Micropiles” and “68 Micropile Verification Tests” the same thing?

*Answer: No, they are not the same thing. Pay item 67 (Demonstration Micropiles) is the actual installation of the demonstration piles. The purpose of the demonstration piles is to demonstrate the Micropile Contractor's ability to successfully install micropiles. Pay Item 68 (Micropile Verification Tests) is the verification and proof tests are the tests performed on the installed piles.*

- 2. For “69 Micropile Proof Tests”, are 10 actually required? It is more typical to proof test 5% of production piles.

*Answer: Please budget for 10, as directed in the project documents. Selected Contractor can provide reference or guidelines to Engineer that recommends less tests are required. Engineer will make final determination of total tests required during construction.*

- 3. Are pay items 70 and 71 associated with the micropile work? If so, how can 66 be priced as each?

*Answer: Pay items 70 and 71 are associated with the steel HP piles, not the micropile work.*

- 4. We have been notified that all the concrete pipe manufacturers are not taking any new orders until mid-January 2023 with the earliest delivery date in March 2023. Will the city allow options / alternatives for the storm drainage line items #21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, and 32?

*Answer: Due to internal City processes and State/Federal reviews of the bids, the City **anticipates** having an executed contract early December 2022. If a contractor uses this timeframe, the RCP can be ordered after the NTP First Phase in December 2022, then pipe is delivered in March 2023 per contractor's email. There would still be 3 months on ICT#0 if pipe was ordered in January 2023 and arrived in March 2023.*

Based off ICT#0 and the contractor's statement about lead time for RCP, the City does not see a reason for exception on the RCP due to the material being available before groundbreaking is allowed.

5. Bid Item 59 references standard specification NCDOT 440 "STEEL STRUCTURES" which refers to NCDOT 1072 "STRUCTURAL STEEL". Per NCDOT 1072-1 (A) " Fabricators furnishing structural steel bridge members for Department projects shall comply with [Department Steel Bridge Qualification Program]"; in addition to meeting AISC qualifications listed under NCDOT 1072-1 (B). If the fabricator meets the AISC requirements can the requirement to pre-qualify with NCDOT be waived?

Answer: NCDOT cannot waive this requirement.

6. Per the specification this project must meet "Buy America" requirements for iron and steel. Due to the complexity of the Painted Steel Aesthetic Arches can this requirement be waived as multiple fabricators are eager to quote only with non-domestic iron and steel material.

Answer: This requirement cannot be waived. The "Buy America" clause is both a federal and State requirement and must apply to all Locally Administered Projects.

7. Plans refer to "Green Colorized Asphalt Coating", and "Green Colorized Concrete Coating". What are the specifications for this?

Answer: These items are both covered by SP-39, Green Thermoplastic.

8. A) For the 12" Stamped Portland Cement Concrete Pavement, what is the stamping detail? B) Does this also need to be colorized?

Answer: This information is provided in SP-32, 12" Stamped & Colored Concrete Truck Apron. The stamping pattern is Basketweave Brick and the color is Rustic Red.

9. Article 3.3 of the instruction to bidders states "Bidders shall complete and submit Section 00 44 00 "BID FORMS AND SUPPLEMENTS" of the Project Manual in its entirety for bid consideration". Section 00 44 00 includes the document for "Letter of Intent to Perform as a Subcontractor". Section 00 70 00 provides the timeline for submission of letters of intent "...no later than 2:00 pm of the fifth calendar day following opening of bids". Please confirm the timeline in section 00 70 00 is acceptable and letters of intent do not need to be submitted with the bid.

Answer: The timeline in Section 00 70 00 is acceptable. Per subarticle **1.3 SP1 G63 Disadvantaged Business Enterprise (Local Government Agencies)**, Bidders shall submit all DBE participation (even if zero) on the Listing of DBE Subcontractors form provided in Section 00 40 00 at the time of bid. The Letters of Intent are not due at the time of the bid opening with the bid. The Letters of Intent will be required within five days of the bid opening. Refer to the subarticle above for more details.

10. Please reconsider having traffic control as a lump sum item and provide standard NCDOT bid items for the traffic control required for the project.

Answer: The Traffic Control pay item will remain lump sum.

11. Note Section 00 75 00 – 154 Existing Utilities of the special provision states, “Utility owners may, at their option, have representatives present to supervise excavation in the vicinity of their utilities. The cost of such supervision, if any, shall be borne by the Contractor.” Please identify all utility owners that will charge the contractor for their supervision, provide rates, and durations of anticipated supervision for this cost. If this information cannot be provided, please consider eliminating this requirement. The contractor cannot be required to pay for an unquantifiable cost.

*Answer: This language has been updated to reflect that the cost of the supervision will be covered by the Utility owner, not the Contractor.*

12. On the ITS pullboxes, I need depths for the following:
- A) Install oversized heavy-duty junction boxes with minimum inside dimensions of 30” x 15” (length x width) for storage of fiber optic communications cables.
  - B) Install special oversized heavy-duty junction boxes with minimum inside dimensions of 48” x 48” (length x width) for underground splice enclosures.

*Answer: The oversized heavy-duty junction boxes will have a minimum depth of 24”. The special oversized heavy-duty junction boxes will have a minimum depth of 48”. The language in SP-59 has been updated with this addendum.*

13. Please clarify the station numbers for both the Type I and Type III approach slab fills. The provided stations do not match the start or stop of any approach slabs. Also, please clarify if each pay item is to cover two approach slab fills per bridge.

*Answer: The stations are associated with the Bridge ID numbers. Pay item 11 is intended to cover both approach slab fills necessary for the bridge over Doby Creek. Pay item 12 is intended to cover both approach slab fills for the bridge over I-85.*

14. May the contractor use the existing steel bridge over Doby creek that is south of the two new bridges? Also, may the contractor use the existing road from the bridge to Research drive if necessary?

*Answer: This existing bridge is not owned or maintained by the City and the project did not acquire an easement from the property owner to access that bridge.*

15. If the contractor is not allowed to use the existing steel bridge, may the contractor install a temporary crossing in Doby creek? If so, will the contractor need a permit?

*Answer: The Contractor would need to get their own permit for any access route that is not covered within the limits of the Erosion Control plans.*

16. Please verify the contractor will be able to completely detour traffic off I-85 per the TCP plans to work on the new bridge over I-85. Additionally, will any weekend closures be allowed for longer duration-based activities?

*Answer: As shown in the plans and contract documents, I-85 detours, including the times, durations and activities, have been approved by the City and NCDOT. Any traffic pattern alterations not shown in the plans would need to be pursued by the contractor’s engineer, including permissions from all stakeholders (including the City and NCDOT).*



17. Would the owner consider extending the bid date at least one week in order for the contractor to review and price the complex details?

*Answer: The current schedule does not allow for any movement of the bid opening.*

18. Would the owner accept precast for the storm water control measure boxes detailed on page 2E?

*Answer: Yes, precast is assumed method of construction.*

19. Since the aesthetic steel arches are not structurally load bearing can NCDOT approved vendor and AISC requirements be waived?

*Answer: NCDOT cannot waive this requirement. It also doesn't matter as to the steel being part of the structural support or an aesthetic component of the bridge. The requirement would be the same for both.*

**END OF ADDENDUM NO. 4**