

GAFFNEY BOARD OF PUBLIC WORKS

I-85 SEWER EXTENSION
CONTRACT 1B - COLLECTIONS

ADDENDUM NO. 2



11-1-2023

Prepared by

BLACK & VEATCH CORPORATION
Greenville, South Carolina

B&V Project No. 410381

November 1, 2023

Gaffney Board of Public Works
I-85 Sewer Extension
Contract 1B – Collections Broad River
WWTP to Bear Den SPS

ADDENDUM No. 2

1. SCOPE. This Addendum No. 2 consists of pages AD2-1 through AD2-6 and the following attachments:

- Meeting Minutes from Pre-Bid Conference dated October 11 2023.
- Sign in Sheet from Pre-Bid Conference dated October 11, 2023.

This Addendum No. 2 covers the following additions and changes to the Project Manual and Drawings:

2. PROJECT MANUAL.

A. SECTION 01025 – MEASUREMENT AND PAYMENT

- i. Page 15. Add the following new paragraphs after Paragraph 38 DEMOLITION OF THREE BUILDINGS AT CHEROKEE CHARTER SCHOOLS:

“39. MOBILIZATION/DEMobilIZATION AND RELATED EXPENSES. Mobilization, demobilization and related expense shall be a lump sum. This Item is meant for non-recurrent and general expenses related to establishment and close out of the Work.

Mobilization, demobilization and related expenses shall be paid for on a lump sum basis. This price and payment shall be full compensation for all costs associated with initiating and completing the Contract, exclusive of the cost of materials. Payment shall include compensation for all expenses related to moving equipment onto and away from the jobsite, performance and payment bonds and other securities required, insurances, necessary permits and fees, posting required notices, project sign, Engineer’s and Contractor’s field office installation including hooking up initial utilities, site preparation, removal of field offices and temporary utilities and roadways, removal of signs, submittal of all record documents, and the general costs associated with initiating the Work on site to assure that it is proceeding in a continuous manner. No additional

payment shall be made for interim mobilization or demobilization associated with shutdown of Work by Contractor or Owner.

Mobilization, demobilization and related expenses shall also include all Contract general requirements including but not limited to full compensation for furnishing construction schedules including baseline and periodic updates; providing and maintaining the quality control plan; providing the project superintendent, project manager and project Engineer (if applicable) full-time; on-site field office and Engineer's field office; recurring expenses following initial mobilization; providing and maintaining dumpsters, security, fencing, and dust control; monthly utility charges; construction photographs; ongoing maintenance of Record Drawings; equipment maintenance; surveying, survey controls, and staking out of easements; project closeout costs; and all temporary facilities, labor, equipment and materials required for or incidental to the Work for which separate payment is not provided under other Bid Items. Payments shall be made in three equal installments. The first two (2) installments shall coincide with the first two (2) monthly payment applications contingent upon Owner acceptance of the baseline construction schedule and demonstration of satisfactory construction progress, as determined by the Owner/Engineer. The third installment shall be made when the Contractor has completed all construction activity, including final cleanup, punch list Items, and satisfactory submission of Record Drawings.

The cost for this Item shall not be greater than three percent (3%) of the Total Base Bid Amount, excluding this Item itself."

3. DRAWINGS – No modifications.
4. QUESTIONS/CLARIFICATIONS. The following are the responses and clarifications to questions and comments received in writing, through email, or discussed at the pre-bid meeting. These responses are presented for information only and do not constitute modifications to the bid documents.
 - A. Question: Are there any installation requirements for the force main alternate?

Response: The force main shall be installed with the same minimum depth of cover specified for Segment 2. Open cut installation of the force main alternate is acceptable.
 - B. Question: Is there a summary of changes between the original bid and rebid?

Response: Changes for Contract 1B include:

- i. Additional stone bedding for gravity sewer was removed.
- ii. Gaffney Ferry force main size reduced to 18" in lieu of 20".
- iii. Force main bedding changed to native material in lieu of stone. Stone bedding will be required in the event ground water is encountered in the pipe trench.

- C. Question: Is there an opinion of probable construction cost for Contract 1B?

Response: Construction cost estimate was included in the South Carolina Business Opportunities advertisement (10 - \$13 million).

- D. Question: Bid Items 15.1 specifies 24" DR11 HDPE HDD. Can 18" DR18 Fusible PVC pipe be approved as equal to specified 24" HDPE reconnecting to 18" PVC in Open Cut?

Response: Using DR18 Fusible PVC pipe is an acceptable approved equal for the specified HDPE for the HDD crossings under water bodies. Railroad crossings shall remain as HDPE HDD crossings per the approved railroad permits.

- E. Question: If the project comes in over budget after the re-bid, how will you move forward? Will you share with us the budget for each contract?

Response: In the event bids come in over budget, Owner will determine whether deductive alternates will be applied to lower anticipated construction cost. Project estimates for each contract were included in the South Carolina Business Opportunities advertisements.

- F. Question: In the specs it states that the Horizontal Directional Drilling items shall be paid for by the station to station measurement. How will additional linear footage of horizontal directional drilling be paid for?

Response: The horizontal directional drills (HDDs) are specified as guaranteed installations within the Contract Documents. The Contractor is responsible for installing all HDDs to provide a functioning sanitary sewer collection system in accordance with the design plans. Payment for HDD crossings will be paid for by the station to station measurement as specified.

- G. Question: There are several Pressure style release valves that aren't accounted for on the bid form? (C-02-113, C-03-108)

Response: These valves are included in the total quantity for Line Item 17 in Specification Section 00400 – Bid Form.

- H. Question: Can you explain why the contract days were shortened from 880 to 720 and can they be adjusted back to the original number of days?

Response: Construction durations are based on scope of work included in each contract and take into account equipment and material leads times as well as construction duration to complete the work. Construction durations will not be revised at this time.

- I. Question: During the pre-bid, there was mention of some additional VE ideas being used that weren't being used in the revised bid documents (ex. Hanging pipe from the bridges, shallowing up the directional drilling, etc.). Are these additional options going to be incorporated into the plans and if so, when will we get those revisions?

Response: All revisions to the contract documents will be issued through addenda. Final addenda is anticipated to be issued by November 3, 2023.

- J. Question: There was also mention during the pre-bid of adding a line item for clearing and grubbing and one for erosion control. Will there be a revised bid form with these line items included?

Response: Clearing and grubbing and erosion control for pipeline work shall be included in the applicable unit price items in accordance with Specification Section 01025 – Measurement and Payment. No separate payment will be made for erosion control associated with pipeline work.

- K. Question: Will rock blasting be allowed throughout the entire project?

Response: Rock blasting will be permitted when approved by Owner, utilities, and all other appropriate agencies and authorities where the Work is to be performed. Refer to Specification Section 02200 and 02202 for further clarification.

- L. Question: We request that the initial bid addendum items that are not addressed on the re-bid plans or specs be issued as an addendum to this current bid so any new bidders adhere to those items.

Response: All applicable addendum items from the original bid phase have been incorporated into the drawings and specifications released for rebid.

- M. Question: Will retainage be held on stored materials that we apply for payment on?

Response: Yes, retainage will be held on stored materials as indicated in Article 6 of Specification Section 00500 – Agreement.

- N. Question: Will you consider a line item for erosion control?

Response: Erosion control for pipeline work shall be included in the applicable unit price items per Section 01025 – Measurement and Payment. No separate payment will be made for erosion control associated with pipeline work.

- O. Question: How will mobilization be paid? Will it be paid as a full 3% on the first pay application?

Response: Mobilization will be paid in three (3) equal installments. The first two (2) installment shall coincide with the first two (2) monthly applications for payment. The third installment shall be made when the Contractor has completed all construction activity, including final cleanup, punch list items, and satisfactory submission of Record Drawings.

- P. Question: 21" DR35 B&S PVC, 21" DR26 B&S PVC, and 20" CL250 DIP are specified for Gravity Sewer. Can 21" Vylon Gravity Sewer Pipe, per ASTM F1803, PS46 and or PS115 be approved as equals to specified PVC and DIP?

Response: Vylone Gravity Sewer Pipe is not an approved equal to the specified PVC and DIP.

- Q. Question: Are there opportunities for 18" & 24" HDPE fittings on the force main lines?

Response: All force main fittings shall be ductile iron as specified.

End of Addendum No. 2

Gaffney Board of Public Works
I-85 Sewer Extension Contract 1B
Collections Broad River WWTP to Bear Den SPS
Non-Mandatory Pre-Bid Meeting

B&V Project 410381
B&V File 80.0001
October 11, 2023

A. Introductions

1. Welcome.
2. Introduction of GBPW and B&V personnel.
3. Reminder about sign-in sheets.

B. Project Background and Overview

Reference Section 01015 – Project Requirements of the Contract Documents for a general description of the Work. The Work is generally described as follows:

Contract 1B Collections Broad River WWTP to Bear Den Sewage Pump Station includes the construction of approximately 2,334 linear feet of 21-inch PVC gravity sewer; 400 linear feet of 20-inch DIP gravity sewer; 14,400 linear feet of 18-inch PVC force main; 17,788 linear feet of 16-inch PVC force main; 1,300 linear feet of 24-inch HDPE force main; 1,800 linear feet of 18-inch HDPE force main; 1,280 linear feet of 6-inch DIP water line; and 1,210 linear feet of 2-inch HDPE water line. The project also includes horizontal directional drilling under water bodies and railroads, bore and jacking of road crossing, gravity sewer aerial crossing, sewer manholes, installation of plug valves, installation of air/vacuum valve manholes, all associated piping and appurtenances required for operation, and all necessary sitework and erosion control.

The seven (7) sewage pump stations are included in a separate project identified as Contract 1A: Sewage Pump Stations.

The influent gravity sewer connecting to the Bear Den Sewage Pump Station and the gravity sewer and force mains connecting to the Quarry-1, Quarry-2, Gibbons-1, Jumping Branch, and SC5 Sewage Pump Stations are included in a separate project identified as Contract 1C: Collections Bear Den Sewage Pump Station to Quarry-1 Sewage Pump Station.

C. Bid Documents

Bid Documents including specifications and drawings are available in PDF format on DropBox from Black & Veatch (contact Chad Walters WaltersC@BV.com and Todd Carwell CarwellT@BV.com).

The documents include:

- Specifications
- Drawing set for Contract 1B – Collections Broad River WWTP to Bear Den SPS
- Geotech Report (original and addendum)



D. Project Schedule

1. Questions must be received by 12:00 p.m. on October 20, 2023 (10 days before bid opening).
2. Anticipated final addendum will be issued no later than October 24, 2023.
3. Sealed bids must be received by 2 p.m. on November 1, 2023, at GBPW office.
4. All bids must be submitted in accordance with Section 00100 – Instructions to Bidders.
5. Anticipated Notice to Proceed will be issued following RIA review of bidding documents. The Bid will remain subject to acceptance for ninety (90) days after Bid opening in accordance with Section 00400 – Bid Form, Article 2.01.
6. Substantial Completion shall be accomplished in 540 calendar days.
7. Final Completion shall be accomplished in 570 calendar days.

E. Questions and Answers

Addendum - All questions must be submitted to Engineer in writing and received by 12:00 p.m. October 20, 2023.

F. Bidding Instructions/ Contract Provisions

1. Qualifications - Contractor shall submit all requested items in accordance with Section 00100 – Instructions to Bidders, Article 3.01. Project is being funded by the South Carolina Infrastructure Investment Program (SCIIP) and is therefore subject to all federal/state grant requirements.
2. Bonds and Insurance - Insurance and bonding requirements are set forth in Article 6 of Section 00700 – General Conditions and Article 6 of Section 00800 – Supplementary Conditions of the Contract Documents and should be reviewed by the Contractor.
3. Bidding Documents - Bids shall be submitted in accordance Section 00100 – Instructions to Bidders, Article 3.01 and Section 00400 – Bid Form. Contractor must fill in all blanks on the Bidding Documents. Contractor is encouraged to ask questions if something is unclear so it can be addressed via addendum.

Complete Bidding Documents must be submitted, including:

- Bid Form (Section 00400),
 - Bid Security of 5% (Section 00100),
 - List of Proposed Subcontractors and Suppliers (Section 00440),
 - Non-Collusion Affidavit (Section 00480), and
 - Bidder Qualification Items (Section 00400)
4. Retainage - Retainage is set forth in Section 00500 – Agreement Article 6.02 and shall be ten percent (10%) until the Work is fifty percent (50%) completed. After



the Work has been fifty percent (50%) completed as determined by Engineer, a reduction will be considered by the Owner.

5. Completion Times and Liquidated Damages - Liquidated damages shall be in accordance with Section 00500 – Agreement Article 4.03 and shall be \$2,500 for each day expired after substantial completion and \$1,500 for each day expired after final completion. Should the Contract extend past RIA mandated construction end date June 1, 2026, liquidated damages shall be \$5,000 for each day expired past June 1, 2026.
6. Permits and fees - Owner has obtained or is in the process of obtaining the following permits:
 - Norfolk Southern Railroad Encroachment Permit.
 - a. Victory Trail Road.
 - South Carolina Department of Health and Environmental Control (SCDHEC) Wastewater Construction Permit.
 - SCDHEC Navigable Waters Permit.
 - United States Army Corps of Engineers (USACE) Individual Permit.
 - SCDHEC NPDES Sediment and Erosion Control Permit.
 - South Carolina Department of Transportation (SCDOT) Encroachment Permit.

Permits are included in Section 00800A – Permits. Any additional permits acquired will be included in an addendum. Contractor is responsible for complying with all terms and special conditions of these permits. All other permits required for this project are the responsibility of the Contractor.

7. Coordination with Public Utilities and Agencies - Traffic control and coordination are with SCDOT and Cherokee County. Contractor is responsible for contacting utilities before beginning construction activities. Contractor is responsible for notifying all agencies prior to construction if stipulated in the permit issued by the agency. Contractor is responsible for prospecting ahead the work. Refer to Section 01015 – Project Requirements, Paragraph 4. All costs associated with coordination, relocation, shoring, and bracing of existing utilities are Contractor's obligation.
8. Easements and Rights-of-Way - Contractor shall confine its operations within the limits of right-of-way, GBPW easements, and GBPW acquired property. All costs for traffic control shall be a subsidiary cost of the Contractor.

Contractor shall refer to Section 00800B – Easements for the easement documentation for property owner agreed upon temporary easement boundaries. Should the Work require additional temporary easements, Contractor shall coordinate with property owners for temporary easements as required.

Contractor shall note that some private property is located on farmland/pastures with livestock. Contractor shall ensure any and all gates are closed after entering



property and that all animals are secure.

G. Other Project Information

1. Addendum - B&V anticipates issuing Addendum No. 1 no later than October 16, 2023. Addendum will include the following:

- Prebid meeting minutes
- Prebid sign-in sheet
- Answers to contractor questions
- Additional property acquisition documentation
- Revised Blacksburg Highway jack & bore crossing.
- Revised restrained joint length table.

B&V anticipates issuing an Addendum No. 2 no later than October 24, 2023, with any final Contractor questions and acquired permit documentation.

H. Construction Specific Considerations/ Requirements

1. Coordination With Other Contracts – Sewage Pump Stations are included in Contract 1A and linear gravity sewer upstream of Bear Den Sewage Pump is included in Contract 1C.
2. Alternates – Included in Contract 1B:
 - Alternate No. 1 – Remove Gravity Sewer Segment 1, manholes, and aerial crossing and replace with 18-inch PVC Sewer Force Main.

I. Questions

Gaffney Board of Public Works
I-85 Sewer Extension Contract 1B Collections
Broad River WWTP to Bear Den SPS
 Pre-Bid Conference Sign-In Sheet
 October 11, 2023
 10:00 A.M.



NAME	COMPANY	EMAIL
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