

(A0008071)

April 14, 2003

CEMVN-ED-C

MEMORANDUM FOR: Chief, Structures Branch
ATTN: Jorge A. Romero, P.E.

SUBJECT: Review of Plans and Specifications for Lake Pontchartrain, LA and Vicinity Hurricane Protection, High Level Plan, London Avenue Outfall Canal, Floodproofing Robert E. Lee Blvd. Bridge, Orleans Parish, LA.

1. Reference memo CEMVN-ED-T dated March 12, 2003.
2. Cost Engineering has reviewed the subject project and offers the following comments:
3. General Comments:
 - a. The estimated cost for the project as presented is: \$4,500,000.00.
 - b. The contract duration for the subject project excluding adverse weather is: 365 Calendar Days.
4. Bid Schedule:
 - a. Eliminate the bid items with the “*”. All work should be totally defined and void of any contingency (any unknowns will be handled by the changes clause).
 - b. Please correct the job title on the first page of the bid schedule.
 - c. Bid Items 0008, 0042, 0054, and 0067 are listed under a different name in the specifications.
 - d. Items 0020, 0048, 0068, 0072, 0077, 0100, and 0106 contain typos in the name description.
 - e. Bid Items 0053 and 0067 do not have measurement and payment paragraphs in the specifications. Please correct.
 - f. Recommend that items 0086 – 0098 be combined into one item for electrical work.
 - g. Bid Item 0118 is missing the estimated quantity and unit.

- h. Our office has determined that the following quantities need to be verified prior to bid opening:

| <u>Item No.</u> | <u>Description</u> | <u>Bid Schedule Quantity</u> | <u>Cost Eng. Quantity:</u> |
|-----------------|---------------------------------|------------------------------|----------------------------|
| 0013 | Reinforced Concrete Pipe (24") | 370 LF | 431.5 LF |
| 0014 | Reinforced Concrete Pipe (30") | 118 LF | 139 LF |
| 0036 | No. 2 Standard Catch Basin | 2 EA | 1 EA |
| 0038 | Single Mountable Catch Basin | 4 EA | 5 EA |
| 0039 | Type "A" Catch Basin Adjustment | 1 EA | 2 EA |

5. Specifications:

- a. Provide more information in Section 01356 for the silt fence components (fence posts, galvanized wire mesh as shown on the drawings).
- b. Section 01555, paragraph 1.3.1 mentions an item called, "Traffic Control and Coordination." This item is not included on the bid schedule.
- c. Please explain what work shall be included for price and payment in the bid items listed in Section 01555, paragraphs 1.3.2, 1.3.4 and 1.3.5.
- d. The unit of payment is missing for "New 12" Water Valve and Manhole" in Section 02101, paragraph 1.2. Also explain what work shall be included for price and payment in all the bid items listed in this paragraph.
- e. Delete the last sentence of paragraph 1.2.2 in Section 02318.
- f. The item "Structural Excavation and Backfill" as referenced in Section 02320, paragraph 1.2.2, is not included on the bid schedule.
- g. Explain what work shall be included for price and payment in Section 02520, paragraphs 1.3.1, 1.3.2, 1.3.3, 1.3.4, and 1.3.5. Paragraph 1.3.2 is also missing how the items will be measured.
- h. Please explain what work shall be included for price and payment for paragraph 1.3 of Section 02717.

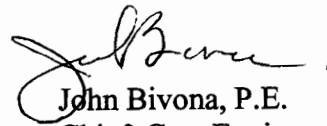
- i. Please explain what work shall be included for price and payment in the bid items for paragraphs 1.3.1, 1.3.2, and 1.3.3 of Section 02722.
- j. "Fertilizing and Slab Sodding" is listed as one bid item on the bid schedule; however, it is listed as two separate items in Section 02922, paragraph 1.3. Please correct.
- k. Please explain what work shall be included for price and payment in the bid items listed in Section 02923, paragraphs 1.3.1, 1.3.2 and 1.3.3.
- l. Explain what work will be included for price and payment for Bid Item 0082 in Section 04204 of the specifications.
- m. Recommend that all items in Section 16520 be combined into one lump sum item for electrical work.
- n. In Section 16520, remove payment details from paragraphs 3.3.2, 3.3.3, and 3.3.4. This information should be included under paragraph 1.4 for measurement and payment.

6. Drawings.

- a. On Dwg. 4b, the third typical roadway section shows geotextile fabric as one piece underneath both lanes of the roadway, but there are different station limits for the east and west bound lanes. Please clarify.
- b. Please list the page number of the detail for removing and resetting the brick patio stone sidewalk shown on Dwg. 16 of 49.
- c. On Dwg. 21 and 22, please correct the required lengths for structure numbers 320, 333, 337, and 339. The lengths are listed in inches and feet.
- d. Include S&WB drawing D-3340 as a reference drawing for the special drain manholes shown on Dwg. 20-22.
- e. On drawing 47 of 49, please label new and existing components for the hazard beacon relocation.
- f. Recommend that the test pile schedule and notes be moved from Dwg. 103 of 130 to Dwg. 123 of 130.
- g. The elevation at the C/L bent at Sta. 109+67.08 on Dwg. 114 of 130 is missing.
- h. Please provide more detail for the concrete slope paving.

- i. The limits of the temporary baled hay are not shown on the drawings. Please correct.
- j. Recommend that more details of the existing floodwall to be demolished be shown.

7. The point of contact is Christina Kramer, extension 1218.



John Bivona, P.E.
Chief, Cost Engineering Branch

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