

July 21, 2015
BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA
Addendum No. 3/IFB Y15-779-CH

COUNTY ROAD 545 (AVALON ROAD) CULVERT REPLACEMENT

REVISED BID OPENING DATE: July 30, 2015 at 2:00 P.M.

1. The Bid Opening Date has changed as follows:

~~Delete: July 28, 2015 at 2:00 P.M.~~

Replace With: July 30, 2015 at 2:00 P.M.

2. Note the **ADDITION** to Part G, Special Provisions, Paragraph 4, titled MAINTENANCE OF TRAFFIC as follows:

MEMORANDUM OF UNDERSTANDING: The Orange County Public Works Engineering Division has a memorandum of understanding (MOU) with the Environmental Protection Division relating to the property located at 880 Avalon Road. The Parcel Number is 33-22-27-0000-00-009. A copy of this MOU is included with this RFP IFB.

The CONTRACTOR shall be responsible for compliance on items 4, 5 and 6. Additionally, the CONTRACTOR will maintain access to the property outside the limits of construction.

The CONTRACTOR shall pay a permit fee of up to \$175.00 to the County to receive the Maintenance of Traffic permit.

3. Note the **ADDITION** to Part G, Special Provisions, Paragraph 16, titled MEMORANDUM OF UNDERSTANDING as follows:

MEMORANDUM OF UNDERSTANDING: The Orange County Public Works Engineering Division has a memorandum of understanding (MOU) with the Environmental Protection Division relating to the property located at 880 Avalon Road. The Parcel Number is 33-22-27-0000-00-009. A copy of this MOU is included with this RFP IFB.

The CONTRACTOR shall be responsible for compliance on items 4, 5 and 6. The cost of the temporary fencing shall be covered under Pay item 101-1 Mobilization.

Additionally, the CONTRACTOR will maintain access to the property outside the limits of construction.

4. Note the **REVISION** to Part H, Technical Provisions, T.P. 550 titled FENCING, as follows:

Delete: ~~Technical Provision 550, titled FENCING~~ issued in the Invitation for Bids.

Replace with: Technical Provision 550, titled FENCING issued Addendum #3

5. **The following are responses to questions received from potential bidders:**

- A. **Question:** In Addendum #1, you show Black Lake normal high water level is 95.8 and Johns Lake is 98.4. Is the normal condition of Johns Lake higher than Black Lake?

Response: These are the published elevations within the Orange County Lake Index (dated January 2005).

- B. **Question:** The response to the flow question is fairly "open ended" – what is the maximum elevation in Black Lake we can retain water up to before having to begin the by-passing operation?

Response: This needs to be a part of the CONTRACTOR'S temporary drainage plan as outlined below.

"The CONTRACTOR shall submit a temporary drainage plan (bypassing and/or maintaining channel flow during construction) for approval by the engineer. This plan must be signed and sealed by a Professional Engineer registered in the State of Florida. Given the magnitude of the canal discharge rates that will most likely occur for the storm events with significant rainfall, complete bypassing of all possible flows may not be possible. Therefore, the CONTRACTOR'S water bypassing plan should address both the magnitude of discharge that can be bypassed and the means and methods for allowing the additional discharge to "pass" through the construction area without causing an adverse impact to upstream water levels and off-site properties.

This described work falls under the CONTRACTOR'S means and methods and shall be accomplished at no additional cost to the County.

The CONTRACTOR must conform to the project's SJRWMD permit and ACOE permit criteria in determining his means and methods for stopping / by-passing the water flow from Black Lake to Johns Lake to construct the culvert.

Black Lake normal high water level: 95.80 ft, NGVD (94.9 ft, NAVD)

Johns Lake normal high water elevation: 98.4 ft, NGVD (97.5 ft, NAVD)

Black Lake (headwater):

10-year, 24-hour design peak stage: 99.1 ft, NGVD (or 98.2 ft, NAVD)

25-year, 24-hour design peak stage: 99.6 ft, NGVD (or 98.7 ft, NAVD)

100-year, 24-hour design peak stage: 100.5 ft, NGVD (or 99.6 ft, NAVD)

Flow Rates:

10-year, 24-hour design flow rate: 600 cfs

25-year, 24-hour design flow rate: 682 cfs

100-year, 24-hour design flow rate: 855 cfs

Johns Lake (tailwater):

10-year, 24-hour design peak stage: 98.4 ft, NGVD (or 97.5 ft, NAVD)

25-year, 24-hour design peak stage: 98.7 ft, NGVD (or 97.8 ft, NAVD)

100-year, 24-hour design peak stage: 99.3 ft, NGVD (or 98.4 ft, NAVD)

C. **Question:** Are the existing culvert pipe lines lined?

Response: We recommend that the CONTRACTOR visit the site to determine the condition and type of existing culverts.

D. **Question:** Based on what might be required to set-up / retain the water and by-passing (and working around existing utilities) – the work zone is fairly small, can the area be increased?

Response: The construction limits as shown in the construction plans shall not be increased in size. The CONTRACTOR will not be able to work outside the limits of construction.

E. **Question:** Is there any requirement for a County Utilization Permit, will the fees be waived?

Response: The CONTRACTOR is required to pull all permits required to complete the construction. The fees for the County's Right-of-Way Utilization Permit will be waived.

F. **Question:** Would the County allow the installation of a temporary diversion pipe line across Avalon Road for by passing purposes?

Response: In general, the County has no objections to the installation of a temporary pipe line across Avalon Road for by-passing purposes so long as it meets all the County standards and criteria. However, this needs to be a part of the Contractor's temporary drainage plan submittal to the County as outlined below.

"The CONTRACTOR shall submit a temporary drainage plan (bypassing and/or maintaining channel flow during construction) for approval by the engineer. This

plan must be signed and sealed by a Professional Engineer registered in the State of Florida. Given the magnitude of the canal discharge rates that will most likely occur for the storm events with significant rainfall, complete bypassing of all possible flows may not be possible. Therefore, the CONTRACTOR'S water bypassing plan should address both the magnitude of discharge that can be bypassed and the means and methods for allowing the additional discharge to "pass" through the construction area without causing an adverse impact to upstream water levels and off-site properties.

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10-year, 24-hour design peak stage: 98.4 ft, NGVD (or 97.5 ft, NAVD)
25-year, 24-hour design peak stage: 98.7 ft, NGVD (or 97.8 ft, NAVD)
100-year, 24-hour design peak stage: 99.3 ft, NGVD (or 98.4 ft, NAVD)

- G. **Question:** Note #6 on Sheet #66 says we are to use FDOT Index 289 w/these drawings. The FDOT index differs from the details shown on Sheet #71 (Box Culvert Geometry), there are no "Tie Back Slabs" into the bank as in the Standard Index 289. Are they required? (See Index 289, Sheet 3 of 7 – Top of Page.)

Response: The "BOX CULVERT GEOMETRY" detail on Sheet 71 is solely for providing the overall geometry and therefore does not show the underlying foundation (slab) for the wingwalls. The wingwall foundation information (width, thickness, etc.) is included in the BOX CULVERT DATA TABLES on Sheet 66 - CULVERT DATA TABLE. This is typical detailing practice for box culverts.

H. **Question:** Will the County allow the construction of temporary earth embankments in order to retain the water outside the construction area?

Response: The County **will not** allow the construction of temporary earth embankments in order to retain the water outside the construction area.

6. **The following are questions and responses from Addendum 1 which the responses are being revised as follows:**

A. **Question:** Is there any restriction for the installation of additional sheet pile walls?

Response: Please refer to Temporary Sheet Pile Wall Notes on Sheet 71 of the plans. The sheet pile wall shown in the plans on sheet 71 is required for the phased construction of the proposed box culverts and will retain the earth between the construction area and the active roadway (see sheets 41 and 69 for cross-section view). The CONTRACTOR may utilize additional sheet pile wall for temporary drainage purposes, however, this needs to be a part of the CONTRACTOR'S temporary drainage plan.

B. **Question:** In the Utility Adjustment Plans, there are several utilities that will need to be coordinated with, have they all been informed of the project?

Response: Yes. Utility coordination has taken place. This coordination took place during the design phase. The CONTRACTOR shall refer to Part G Special Provisions (Sheet G-17) with regard to his responsibilities with regard to utility coordination during construction.

7. All other terms and conditions of the IFB remain the same.

8. **The Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of the proposal.**

Receipt acknowledged by:

Authorized Signature

Date Signed

Title

Name of Firm

**COUNTY ROAD 545 (AVALON ROAD)
CULVERT REPLACEMENT PROJECT
PART H**

TECHNICAL PROVISIONS

TP 550 - FENCING

FENCING

Installation of metal fence shall conform to the requirements of Section 550 of the "Standard Specifications" and Florida Department of Transportation Index No. 801 and 802, except as directed by the Engineer.

The permanent Fencing - Type A will be installed without the barb wire top.

The permanent Fencing - Type A will be constructed with wooden posts in the upland areas of the project and metal posts in the wetland areas of the project.

Method of Measurement

Quantities measured for payment under this Section shall be the length in feet of fence, as measured along the bottom of the fabric and out-to-out of end posts, and the number of fence gates each. The quantities measured for payment under this Section shall be in accordance with Article 550-5 of the Standard Specifications.

Basis of Payment

Fencing and gates will be paid for at the contract unit prices, completed and accepted. Electrical grounds, corner post assemblies, and pull and end post assemblies shall be included in the unit price. Payment shall be full compensation for work specified, including all materials, labor and appurtenances. Payment for furnishing and installing new fence and gate or resetting existing fence and gate shall be in accordance with Section 550-6 of the Standard Specifications.

Payment shall be made under:

Pay Item:

550-10-110	Fencing - Type A (0.0 - 5.0' Height) (Standard Features)	LF
550-60-122	Fence Gate - Type A (Double Swing) (12.0' Width)	EA