



VILLAGE OF KEY BISCAIYNE

ADDENDUM No. 1

January 6, 2015

To Project Manual dated

December 19, 2014

OUTFALL O-15R AT 398 HARBOR DRIVE
FOR THE VILLAGE OF KEY BISCAIYNE, FLORIDA

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VILLAGE OF KEY BISCAYNE

January 06, 2015

**First Addendum to Project Manual for
Outfall O-15R at 398 Harbor Drive**

The following is provided for clarification purposes in response to questions received:

1. Reviewing the information from the website, is this project is to be bid by contractors?
YES. THIS IS A BID FOR CONTRACTORS.
2. Will a contractor be able to pick up the bid documents at the mandatory meeting?
THE BID DOCUMENTS ARE AVAILABLE AT THE VILLAGE CLERK'S OFFICE AND CAN BE PICKED UP BEFORE OR AFTER THE MANDATORY MEETING ON JANUARY 7, 2015 AT 2 PM.

Correction to Proposal Section 00300 (pages 5 and 6)

Replace Schedule of Bid Items with revised Schedule of Bid Items included herein as *Attachment A*.

Correction to Payment and Measurement Section 01025

Replace entire Section with revised Measurement and Payment Section included herein as *Attachment B*.

ATTACHMENT A
OUTFALL O-15R AT 398 HARBOR DR
 Village of Key Biscayne, Florida
 Tetra Tech, Inc. Project
 Number: 200-15760-14003

BID FORM

Bid unit prices stated in this proposal include all costs and expenses for labor, equipment, materials, contractor’s overhead and profit. Unit prices for the various work items are intended to establish a total price for completing the project in its entirety. The Contractor shall include in the Bid price any work item and materials for which a separate pay item has not been included in the Bid Form. All work and incidental costs shall be included for payment under the several scheduled items of the overall contract, and no separate payment will be made therefore.

SCHEDULE OF BID ITEMS					
FDOT Item No.	Description	Unit	Estimated Quantity	Unit Cost	Total
Outfall O-15R Improvements at 398 Harbor Drive					
1	Allowance Account	LS	1	\$ 10,000.00	\$ 10,000.00
2	Mobilization and Demobilization	LS	1		
3	Indemnification	LS	1	\$ 25.00	\$ 25.00
4	Performance and Payment Warranty & Insurance	LS	1		
5	Maintenance of Traffic	LS	1		
6	Erosion Control & Turbidity Barrier	LS	1		
7	Clearing and Grubbing	LS	1		
8	Removal of Existing Structure	LS	1		
9	FDOT Type "E" Inlet	EA	1		
10	FDOT Type "J" Bottom Manhole	EA	1		
11	24" HDPE Pipe	LF	320		
12	Furnish and Install Riprap-Rubble, Bank and Shore	TN	10		
13	Furnish & Install 24-inch Duck-Bill backflow prevention valve	EA	1		

14	Furnish & Install Manatee Grate	EA	1		
15	Seawall Opening Connection (Core Drilling, 2-Concrete Collars)	LS	1		
16	Utilities Relocation Restoration	LS	1		
	TOTAL BID				
TOTAL BID IN WORDS					

 Name of Bidder

 Signature of Bidder

GRAND TOTAL (BASE BID) IN FIGURES (LUMP SUM): \$ _____

GRAND TOTAL (BASE BID) WRITTEN: _____

BIDDER: _____

By: _____

Title: _____

Telephone _____

Fax _____

ATTACHMENT B

SECTION 01025 MEASUREMENT AND PAYMENT

PART 1- GENERAL

1.1 DESCRIPTION

- A. This section describes the method used to determine quantities of Work performed or materials supplied for which a price is given in the Bid. It establishes the basis upon which payment will be made for Payment Items.
- B. Subject to the provisions in General Conditions, all Work and payment for the Work is represented by Payment Items and associated unit prices.
- C. The Contractor shall receive and accept the compensation provided in the Proposal and the Contract as full payment for furnishing all materials, labor, tools and equipment, for performing all operations necessary to complete the work under the Contract, and also in full payment for all loss or damages arising from the nature of the work, or from any discrepancy between the actual quantities of work and quantities herein estimated by the Engineer/Architect, or from the action of the elements or from any unforeseen difficulties which may be encountered during the prosecution of the work until the final acceptance by the Owner.
- D. The prices stated in the proposal include all costs and expenses for taxes, labor, equipment, materials, commissions, transportation charges and expenses, patent fees and royalties, labor for handling materials during inspection, together with any and all other costs and expenses for performing and completing the work as shown on the Drawings and specified herein.
- E. The Contractor's attention is again called to the fact that the quotations for the various items of work are intended to establish a total price for completing the work in its entirety. Should the Contractor feel that the cost for any item of work has not been established by the Bid Form or Payment Items, he shall include the cost for that work in some other applicable bid item, so that his proposal for the project does reflect his total price for completing the work in its entirety.

1.2 PAYMENT

- A. Subject to all other contract requirements, the Contractor shall be paid for "as-built" quantities of Work for which a price is given in the bid.
- B. Quantities on the Bid Form are for comparison in competitive bidding only and do not constitute the basis for payment or measurement of quantities.
- C. Quantities on the Bid Form are estimated and may be increased or decreased without limit.
- D. No separate payment will be made for one Payment Item as Work incidentally required to complete the Work of another.
- E. Payment for Work performed shall be made in accordance with the unit prices in the Bid. Retainage shall apply to all Contractor payments prior to final acceptance.
- F. Contract prices for the various work items are intended to establish a total price for completing the project in its entirety. The Contractor shall include in the Bid price any work item and materials for which a separate pay item has not been included in the Bid Form. All work and incidental costs shall be included for payment under the several scheduled items of the overall contract, and no separate payment will be made therefor.

1.3 MEASUREMENT FOR PAYMENT

- A. Payment Limit Lines:
 - 1. Where payment limit lines are shown on the Contract Drawings, measurements of a Payment Item quantity will be made up to, but not beyond such lines.
 - 2. Where the actual Work of a Payment Item falls short of the payment limit line, measurement will be made to the line of the actual Work.
 - 3. No payment will be made for quantities outside of payment limit lines unless authorized in writing by the Owner.
 - 4. The quantities for payment under this Contract shall be determined by measurements of the completed items, in place, ready for service and accepted by the Owner.

B. Methods of Measurement:

1. Measurements of lengths, widths, slope angles, and depths or elevations shall be made to determine "as-built" quantities of lengths, areas and volumes pertinent to Payment Items.
 - a. Unless otherwise specified, all lengths shall be horizontal distances.
 - b. Slope angles and elevations shall be measured using land surveying equipment.
2. Graphic representations of measured quantities shall be drafted to scale using the Drawings where convenient and appropriate. Additional drawings shall be drafted if required.
 - a. Irregular shapes representing areas and volumes shall be measured using a compensating polar planimeter or a computer digitizer.
 - b. Regular shapes shall be scaled.
3. Use of Drawings:
 - a. Unless otherwise agreed upon between the Contractor and Owner, the Drawings shall be used as the basis to establish existing grades and other existing topographic features.

C. Payment limits where Payment Lines are not shown on the Drawings:

1. Pipe Length: Measurement of pipe shall be made along the top of pipe, excluding fittings, valves and manholes, in place, taken as the laying length.
2. Except as specified otherwise, measurements of Payment Item quantities of weights, lengths, areas and volumes shall be made:
 - a. On "as-built" and in-place completed Work, during construction or at the time of Substantial Completion.
 - b. If no other feasible and practical methods of measurements are available, by delivery slips delivered to the Engineer.
3. Adjustments shall be made to eliminate overlaps in area and volume measurements.

1.4 PAYMENT ITEMS

- A. Separate payment will be made for the Unit Price and Lump Sum items listed on the Bid Form. Related work not specifically listed or identified below in 1.4 B but evidently necessary for satisfactory completion of the Item shall be considered to be included.
- B. The following items apply to Bid Form Pay Items:
 - 1. Allowance Account: (Bid Item 1)
 - a. Measurement of various items for Allowance Account will not be made for payment without written approval from the Owner prior to providing services under this item.
 - b. Payment for Allowance Account will be made at the price for each pre-approved service, which price and payment shall be full compensation for additional work including work associated with undefined conditions or conflicts developing from undefined conditions. All work authorized for payment will be authorized in writing by the Owner. Amount to be paid per undefined conditions or conflict shall be negotiated or agreed to by both parties. The Owner reserves the right to award any, all, or none of the money associated with this allowance.
 - 2. Mobilization and Demobilization: (Bid Item 2)
 - a. Measurement of various items for Mobilization and Demobilization will not be made for payment and all items shall be included in the lump sum (LS) price.
 - b. Payment for Mobilization and Demobilization will be made at the Contract lump sum price for the item, which price and payment shall be full compensation for the preparatory work and operations in mobilizing for beginning work on the Project and demobilizing for ending work on the Project. The establishment of field offices, buildings, safety equipment, first aid supplies, sanitary and other facilities, as required by these Specifications, State and local laws and any other pre-construction expense necessary for the state of the Work; the cost of field engineering, including disposal of cleared and grubbed material and debris, permits and fees, construction schedules, preconstruction video and photographs, project signs, shop drawings, temporary

facilities, lay down storage area, construction aids, erosion control, work associated with Contractor support during Owner/Engineer testing, reviews and inspection, re-inspection and any rework resulting from same, cleaning, project records documents, operating and maintenance data. The Contractor shall submit invoices substantiating the cost of mobilization with each pay request. Ten percent of the cost for mobilization and demobilization will be withheld until acceptance and final payment. Contractor is responsible for securing a site for storage of materials and equipment and all other construction needs and providing security for this site and its contents.

3. Indemnification (Bid Item No. 3):
 - a. In consideration of the Contractor's indemnity agreement as set out in the Contract Documents, the Owner specifically agrees to give the Contractor a minimum of \$500.00 and other good and valuable consideration, receipt of which is acknowledged upon signing of the Agreement.
4. Performance and Payment Warranty and Insurance (Bid Item No.4):
 - a. Measurement for various items covered under Performance and Payment Warranty and Insurance will not be made for payment, and all items shall be included in the lump sum (LS) price.
 - b. Payment for Performance and Payment Warranty and Insurance shall include all Insurance requirements costs, the costs of all bonds, and all administrative costs associated with acquiring and maintaining the necessary coverage as described in the Contract Documents. This item will be paid upon each payment request made by the Contractor. The Contractor shall attach with the payment request invoices to substantiate that appropriate insurance and bonds have been obtained by the Contractor.
5. Maintenance of Traffic (Bid Item No. 5):
 - a. Measurement of various items for Maintenance of Traffic will not be made for payment, and all items shall be included in the lump sum (LS) price.
 - b. Payment for Maintenance of Traffic will be made at the Contract lump sum price for the item, which price and

payment shall be full compensation for labor, materials, permitting, and maintenance of any necessary detour facilities; the providing of necessary facilities for access to residences, businesses, etc., along the project; the furnishing, installing and maintaining of traffic control, barricades, railings, message boards, warning lights, and other safety devices during construction, the control of dust, providing the services of uniformed off-duty police officers, and other special requirements for the safe and expeditious movements of traffic as called for in the Specifications and shown on the Drawings.

6. Erosion Control & Turbidity Barrier (Bid Item 6)

The lump sum payment to complete this item is in accordance with Section 01568 and as set out in the Contract Documents.

The contractor shall include all labor, equipment and materials necessary for this item including but not limited to: silt fence, tree protection measures, turbidity barriers if needed, and other measures shown in the Contract Documents or necessary to ensure erosion protection and water quality requirements during construction.

7. Clearing & Grubbing (Bid Item 7)

The lump sum payment to complete this item shall include consists of complete removal and disposal of all vegetation, debris, drainage structures, flexible pavement, buildings or any other obstructions in all areas where excavation is to be done, or where embankments or structures will be constructed. This includes roadway area, ditch area, borrow and material pits, and areas where culverts or pipe lines will be constructed.

8. Removal of Existing Structure (Bid Item No. 8)

- a. Measurement of this item will be based on the actual number of units removed as identified on the Drawings.
- b. Payment for removal of the existing inlet will be made on a lump sum basis for the item which price and payment shall be full compensation for all labor, materials, and equipment necessary for complete removal including, but not limited

to, asphalt, removal, excavation, sheeting, shoring, bracing, trench box, pumping, cutting, plugging and temporary restoration prior to the proposed storm sewer structure replacement.

9. FDOT Inlets (Bid Items 9-10)

- a. Measurement will be based on the actual number of inlets satisfactorily installed as identified on the Drawings.
- b. Payment for each FDOT Inlet will be made at the Contract unit price for the item, which price and payment shall be full compensation for all labor, materials, and equipment necessary for complete installation, including but not limited to, removal and disposal of unsuitable material, suitable fill, dewatering, furnishing, and installing the new structures, frames, joint sealant, sealant, concrete collars and covers, benching, brick, or concrete adjustment rings, baffles, site restoration, including landscaping, sodding, tree trimmings, vegetation removal, silt fencing, including excavation, sheeting, shoring, trench box, support of adjacent utilities, backfilling, compaction, and bedding. All inverts for the new structures shall be set to match the inverts as shown on the Drawings and verified in the field.

10. 24" HDPE Pipe (Bid Item 11)

- a. Measurement and payment for the pipe will be based on the laying length in linear feet (LF), as measured along the center line of the completed pipe for the size and material installed and includes all labor, equipment, and materials necessary.
- b. Payment shall be at the contract unit price per the item and shall be full compensation for all labor, materials, and equipment necessary for complete installation, including but not limited to, clearing, grubbing, excavation, grading, dewatering, pipe bedding, backfill and compaction, site restoration, including landscaping/planting restoration, sodding, and, tree trimmings, vegetation removal, debris removal, silt fencing, tree restoration, dewatering, removal and replacement of fences, removal and replacement of concrete sidewalks, aprons, concrete/asphalt driveways and roadways disturbed during construction, hiring of power company to hold and support power poles, pipe bedding, backfill and compaction, testing, television, sheets, shoring, bracing, trench box, support of adjacent utilities, perforated

pipe, filter fabric, aggregate, installation in accordance with detail provided in construction drawings, and for all equipment and all other work necessary to complete the installation as specified. All cost to clean all piping and appurtenances will be included under the payment for linear foot of pipe.

11. Furnish and Install Rip Rap-Rubble, Bank and Shore (Bid Item 12)
 - a. Measurement of this item will be calculated based on the actual field measures, horizontal dimensions, and design thickness.
 - b. The unit price payment to complete this item will be made per ton (TN) and shall include all labor, equipment and materials necessary for the installation, including but not limited to, the geotextile fabric specified in the drawings, erosion and sediment control measures, site grading, restoration, clearing and grubbing, tree trimming, disposal of excess soil, fill, dewatering, vegetation removal, debris removal, any associated dewatering and necessary permitting, and any other items necessary to complete the item as specified in the plans.

12. All Work Not Included in Items 13 through 15 (Bid Items No. 13, 14 & 15)
 - a. Measurement of various items not included in other bid items will not be made for payment and items shall be included in the unit price (EA) or lump sum (LS) price accordingly.
 - b. Payment for these items will include all materials, equipment, and work required to complete the project as shown on or inferred by the Contract Documents and will be made at the contract unit price (EA) or lump sum (LS) price accordingly and will include all labor, equipment and materials necessary for the installation of backflow prevention valve, manatee grate, connection to seawall involving core drilling, and installation of concrete collars as specified in the plans.

13. Utilities Relocation Restoration (Bid Item 16)
 - a. The lump sum payment to complete this item shall be in accordance with all local, state, and regulatory criteria involving utility construction and separation requirements

and shall include all labor, equipment, and materials necessary for complete re-locate and re-construction of each applicable service and re-connection, notification of affected residences, including door hangers, coordination with the appropriate utility for disconnect, coordinating with Owner and Engineer for any required disinfection, bacteriological sampling and pressure testing, coordinating with Owner for boil water notices and other necessary items.

END OF SECTION