

April 25, 2017

BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA
ADDENDUM NO. 2 / IFB NO. Y17-751

OLD CHENEY HIGHWAY, ROBINSWOOD HILLS, SYLVAN HEIGHTS AND SHELDON
TERRACE WASTEWATER IMPROVEMENTS PACKAGE 10

Revised BID OPENING DATE: ~~April 25~~, May 2, 2017

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to and shall take precedence over the original documents. Additions are indicated by underlining, deletions are indicated by ~~strikethrough~~.

- A. The Bid Opening is changed to May 2, 2017 at 2:00 P.M.
- B. Failure to use the attached Revised Bid Schedule will result in your bid will be found non-responsive.
- C. CLAIRIFICATIONS
1. Q: Bid Form shows the unit for Bid Items No. 40 and 41 (Sanitary Sewer Main Point Repairs) as Lump Sum. However the same bid Form shows the quantity for these bid items as 2 and 1 respectively. Measurement and Payment section for these items states "... Sanitary Sewer Point Repair shall be made per actual number of repairs of sanitary sewer main for various depth satisfactorily repaired ...". Please confirm that these bid items will be measured and pay for by the unit (Each) and modify the Bid Form accordingly.
- A: Bid Item No. 40 represents the two (2) point repair locations as shown on Sheets C101 and C102, and Bid Item No. 41 represents the one (1) point repair location shown on Sheet C111. The Bid Schedule is revised to "EA", and the attached Measurement and Payment, Section 01025, Table A, Bid Item 40-41, has been revised accordingly.
2. Q: Measurement and Payment section for Items 37, 38, 39, 40, 41, 43 (Sanitary sewer main pipe items) states "...payment shall be full compensation for ..., applicable pavement restoration, crushed rock base ...". However, the bid items for asphalt roadway restoration (Items 12, 13 and 14) are intended to cover the required pavement restoration required as a result of the piping installation for the sanitary sewer, force main and water main systems. Please clarify and confirm that the pavement restoration for items 37, 38, 39, 40, 41, 43 will be measured and pay for the applicable restoration items (Items 12, 13 and 14).

- A: Bid Items Nos. 12, 13, and 14 measurement quantities are intended to represent all “Road Work” shown in the plans, including Sheets C101 through 104, and as described in the associated Measurement and Payment Section 01025.**
3. Q: Bid item #15 Concrete Pavement Replacement (4” thick sidewalk) – is shown as 1,049 LF, however the measure and payment section states that bid item #15 and #16 are to be measured and paid by the SY. I think the LF should just be changed to SY but this could make a significant cost difference.
- A: The sidewalk measurement and payment should be measured as “SY” and not as it is currently shown in the Bid Schedule Item #15 as “LF”. The attached Bid Schedule now shows Bid Item #15 as revised to reflect “SY” as the unit cost measurement.**
4. Q: Bid Item #37 Sanitary Sewer Main 8” Diameter (0’ to 6’ depth) indicated 1,431 LF in total. The next Bid Item #38 is Sanitary Sewer Main 8” (10’-12’ depth). There is not a bid item for Sanitary Sewer Main 8” in the (6’-10’ depth) range, however there is a lot of pipe in this depth range. There is not much pipe in the 0’-6’ depth and there are no manholes less than 8’ depth range so my assumption is that the reference ID and depth range for Bid Item #37 needs to be adjusted or there needs to be an addition bid item added to cover the 6’-10’ depth range.
- A: Pay Item #38 is revised for depths >6-feet to 12-feet depth, as now shown in attached Bid Schedule. The total quantity for Bid Item #37 has been reduced by 690 LF of 8-inch sanitary sewer. That point repair work was noted in Sheet C100, but Pay Item 40 currently reflects the actual pipe work required in that area.**
5. Q: On Sheet #C118 there are two 2” plug valves and connections to existing 2” FM along Myrtle St. Will bid items be provided for these valves and connections?
- A: The Bid Schedule has been revised for Bid Item #30 to include the two 2-inch plug valves (PV) and connections. The description title has been revised to include “Up to” 4” diameter PV and the unit quantity has been increased from one (1) to three (3), each.**
6. Q: Will a bid item for sod/restoration be provided or is all restorations to be included with the pipe bid item?
- A: The sod/restoration is to be provided as part of the pipe installation as referenced in the pipe pay items as described in the measurement and payment section.**

7. Will Orange County allow Old Cheney Highway be closed to all traffic for the installation of the deep sewer and FM's between STA 12+00 to 17+50?

A: Road closure may be allowed with an approved MOT in accordance with the specifications. Proper notification and sequencing with Orange County will be required, as well as coordination in developing a workable detour plan.

B. PROJECT DRAWINGS

No changes

C. On Invitation for Bid Documents - BID SCHEDULE

See attached Revised Bid Schedule.

See attached Revised Measurement and Payment, Section 01025

D. ACKNOWLEDGEMENT OF ADDENDA

- a. 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 proposal.
All other terms, conditions and specifications remain the same.

Receipt acknowledged by:

Authorized Signature

Date Signed

Title

Name of Firm

(REVISED) BID SCHEDULE Y17-751 PH

ITEM NO.	Reference #	ID	DESCRIPTION	UNIT	Est. QTY	UNIT COST	TOTAL COST
1	10.110.110		Mobilization, Demobilization, Bonds, and Permits	LS	1		
2	10.120.110		Preconstruction Audio- Video Documentation (All Sites)	LS	1		
3	10.130.110		Indemnification	LS	1	\$100	\$100
4	10.140.110		Project Record Documents	LS	1		
5	10.150.110		Maintenance of Traffic	LS	1		
6	10.160.110		Public Information Officer	LS	1		
7	10.170.110		License Agreement/Notification to Homeowner	LS	1		
8	11.110.110		Erosion and Sediment Control	LS	1		
9	11.120.110		Unsuitable Materials	CY	10		
10	11.130.110		Fill Dirt	CY	10		
11	11.160.110		Remove and Replace 40 X 72" ERCP PIPE & Connect with Concrete Collar and Remove and Replace Existing Headwall	LF	56		
12	11.212.111		Soil Cement Base (8" thick)	SY	7,951		
13	11.230.110		Milling and Resurfacing	SY	6,241		
14	11.241.110		Asphalt Roadway Replacement (1"- 2" thick)	SY	7,951		
15	11.250.110		Concrete Pavement Replacement (4" thick Sidewalk)	LF SY	1,049		
16	11.250.111		Concrete Pavement Replacement (6" thick Driveway)	SY	570		
17	11.251.112		Construct Public Sidewalk ADA Ramp	EA	4		
18	11.260.111		Driveway Culvert Storm Pipe Replacement (> 12" diameter)	LF	90		
19	11.280.110		Concrete Curb and/or Curb & Gutter Replacement	LF	21		
20	11.410.110		Bypass Pumping for Sanitary Sewer Mains (6" to 12")	LS	1		
21	11.420.110		Bypass Pump Station (<500 gpm)	LS	1		
22	11.510.110		Abandon-In-Place Pipe	LF	3,589		

Addendum 2
April 24, 2017

REVISED (D-3)

Y17-751PH

23	11.530.110		Remove Existing Pipe	LF	3,172		
24	11.540.110		Remove Existing Manhole	EA	6		
25	12.110.111		Watermain w/fittings & RJs (6" diameter)	LF	60		
ITEM NO.	Reference ID #		DESCRIPTION	UNIT	EST. QTY	UNIT COST	TOTAL COST
26	12.110.112		Watermain w/fittings & RJs (8" diameter)	LF	1,155		
27	12.130.110		Forcemain w/fittings & RJs (4" diameter)	LF	2,831		
28	12.210.111		Gate Valve with Box (6" diameter)	EA	2		
29	12.210.112		Gate Valve with Box (8" diameter)	EA	2		
30	12.220.110		Plug Valve with Box (Up to 4" diameter)	EA	43		
31	12.310.110		Tapping Sleeve and Valve Assembly (4" diameter)	EA	1		
32	12.310.112		Tapping Sleeve and Valve Assembly (8" diameter)	EA	1		
33	12.510.110		Line Stop Assembly (4" diameter)	EA	2		
34	12.530.110		Offset Air Release Valve Assembly (2" diameter)	EA	3		
35	12.540.110		Fire Hydrant Assembly	EA	3		
36	12.560.110		Water Service Connection (short side)	EA	5		
37	13.310.110		Sanitary Sewer Main 8-inch Diameter (0' to 6' depth)	LF	1,431 741		
38	13.310.113		Sanitary Sewer Main 8-inch Diameter (10' >6' to 12' depth)	LF	1,017		
39	13.310.114		Sanitary Sewer Main 8-inch Diameter (12' to 14' depth)	LF	843		
40	13.340.110		Sanitary Sewer Main Point Repair (0 to 5' depth)	LS EA	2		
41	13.340.112		Sanitary Sewer Main Point Repair (11' to 15' depth)	LS EA	1		
42	13.350.110		Sewer Main Connection to Existing Manhole	EA	3		
43	13.360.110		Sanitary Sewer Main 18-inch Diameter (14' to 16' depth)	LF	678		
44	13.410.112		Sanitary Manholes 4-foot Diameter (8' - 10' depth)	EA	1		
45	13.410.113		Sanitary Manholes 4-foot Diameter (10' - 12' depth)	EA	5		

46	13.410.114	Sanitary Manholes 4-foot Diameter (12' - 14' depth)	EA	3		
47	13.410.115	Sanitary Manholes 4-foot Diameter (14' - 16' depth)	EA	5		
48	13.520.110	Seal and Recoat Manhole (48" diameter)	VF	31		
49	13.530.110	Line Manhole (Polyethylene or PVC liner)	EA	15		
50	13.540.110	Fiberglass Manhole Insert (48" diameter)	EA	4		
51	13.550.110	Re-construct Manhole Benching	EA	1		
52	13.620.110	Install/Repair/Replace 6" Sanitary Sewer Lateral (0' to 5' depth @ main)	EA	21		
53	13.620.112	Install/Repair/Replace 6" Sanitary Sewer Lateral (10' to 15' depth @ main)	EA	5		
54	13.630.110	Install/Repair/Replace Sanitary Sewer Cleanout	EA	1		
55	13.710.110	Sanitary Sewer Main CIPP Liner (8" diameter)	LF	34,298		
ITEM NO.	Reference ID #	DESCRIPTION	UNIT	EST. QTY	UNIT COST	TOTAL COST
56	13.710.111	Sanitary Sewer Main CIPP Liner (10" diameter)	LF	3,768		
57	13.720.112	Brim Type - CIPP Lateral Liner (6" diameter, ≤ 30 LF)	EA	2		
58	14.110.110	Duplex Pump Station - PS 3201R Old Cheney Highway	LS	1		
59	14.130.110	Duplex Pump Station Demolition - PS 3201 Old Cheney Highway	LS	1		
60	14.130.111	Triplex Pump Station Demolition - PS 3407Cornelia Ave	LS	1		
61	14.130.112	Duplex Pump Station Demolition - PS 3531 Commerce Boulevard	LS	1		
ESTIMATED TOTAL BID AMOUNT			\$			

* Mobilization shall not exceed 5% of pay items 8- 61

** Record Drawings shall be a minimum of 1% of pay items 8 -61

SECTION 01025
MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 REQUIREMENTS INCLUDED

- A. This Section specifies administrative and procedural requirements to define pay items and determine payable amounts, and includes but is not limited to:
 - 1. General Provisions
 - 2. Cash Allowances
 - 3. Work Not Paid for Separately
 - 4. Measurement for Payment
 - 5. Partial Payment for Stored Materials and Equipment

1.02 GENERAL PROVISIONS

- A. This specification includes standard descriptions for all bid items. This Contract's specific bid items are listed in the Bid Schedule.
- B. The total Contract Amount shall cover the Work required by the Contract Documents. All costs in connection with the successful completion of the Work, including furnishing all materials, equipment, supplies, and appurtenances; providing all construction, equipment, and tools; and performing all necessary labor and supervision to fully complete the Work, shall be included in the unit and lump sum prices bid. All Work not specifically set forth as a pay item in the Bid Form shall be considered a subsidiary obligation of the Contractor and all costs in connection therewith shall be included in the prices bid.
- C. If used, all estimated quantities stipulated in the Bid Schedule or other Contract Documents are approximate and are to be used only (a) for the purpose of comparing the bids submitted for the Work, and (b) as a basis for determining an initial Contract Amount. The actual amounts of Work completed and materials furnished under unit price items may differ from the estimated quantities. The County does not expressly or by implication represent that the actual quantities involved will correspond exactly to the quantities stated in the Bid Schedule; nor shall the Contractor plead misunderstanding or deception because of such estimate or quantities or of the character, location or other conditions pertaining to the Work. Payment to the Contractor will be made only for the actual quantities of work performed or material furnished in accordance with the Drawings and other Contract Documents, and it is understood that the quantities may be increased or decreased as provided in the General Conditions.

- D. If used, the unit prices listed in the Bid Schedule shall include all services, obligations, responsibilities, labor, materials, devices, equipment, royalties and license fees, supervision, temporary facilities, construction equipment, bonds, insurance, taxes, clean up, traffic control, control surveys, field offices, close out, overhead and profit and all connections, appurtenances and any other incidental items of any kind or nature, as are necessary to complete the Work in accordance with the Contract Documents.
- E. Except for mobilization/demobilization and project record documents, payment for Work will be based on the percent of completed work of each item in the Schedule of Values, including stored materials, as determined by the County. Progress of work in each item of the Schedule of Values will be determined separately by the County. However, the County will issue a single payment certificate for progress on the Contract.
- F. The Contractor agrees that it will make no claim for damages, anticipated profits, or otherwise because of any difference between the amounts of work actually performed and materials actually furnished and the estimated amounts therefore.
- G. Where payment by scale weight is specified under certain items, the Contractor shall provide suitable weighing equipment which shall be kept in accurate adjustment at all times and certified. The weighing of all material shall be performed by the Contractor in the presence and under the supervision of the County.
- H. All schedules included in the Contract Documents are given for convenience and are not guaranteed to be complete. The Contractor shall assume all responsibility for the making of estimates of the size, kind, and quantity of materials and equipment included in work to be done under this Contract.
- I. Where pipe fittings are noted on the Drawings, such notation is for the Contractor's convenience and does not relieve the Contractor from laying and jointing different or additional items where required.
- J. All contracts shall be subject to 10% minimum retainage as defined in the General Conditions and the Agreement.

1.03 CASH ALLOWANCES

- A. The Contractor shall include in the Total Bid Amount, all cash allowances stated in the Contract Documents. Items covered by these allowances shall be supplied for such amounts and by such persons as the County may direct.
- B. The Contractor will obtain the County's written acceptance before providing equipment, materials or other Work under a cash allowance. Payments under a cash allowance will be made based on actual costs, excluding costs of general conditions, handling, unloading, storage, installation, testing, etc., which will be considered to be included within the Contract Price. Payments within the limits of any Allowance will exclude overhead and profit and bond and insurance premiums, since those costs will be considered to be included within the Contract Amount. The Contractor shall submit appropriate documentation to validate the actual cost of the item.

- C. The amount of the allowance shall be adjusted accordingly by Change Order to recognize the allowable cost incurred by the Contractor.

1.04 WORK NOT PAID FOR SEPARATELY

- A. Delivery: Payment for equipment delivery, storage or freight shall be included in the pay items including their installation and no other separate payment will be made therefore.
- B. Bonds: Payment for bonds required by the Contract shall be included in the pay items for the Work covered by the required bonds and no separate payment will be made.
- C. Preparation of Site: Payment for preparation of site shall be included in pay items proposed for the various items of Work and no separate payment will be made therefore. Preparation of site includes setting up construction plant, offices, shops, storage areas, sanitary and other facilities required by the specifications or state law or regulations; providing access to the site; obtaining necessary permits and licenses; payments of fees; general protection, temporary heat and utilities including electrical power; providing shop and working drawings, certificates and schedules; providing required insurance; preconstruction photographs and videos; clearing and grubbing; removal of existing pavements, sidewalks and curbs; trench excavation, sheeting, shoring and bracing; dewatering and disposal of surplus water; structural fill, backfill, compaction and grading; testing materials and apparatus; maintenance of drainage systems; appurtenant work; record drawing and close-out documentation; cleaning up; and all other work regardless of its nature which may not be specifically referred to in a Bid Item but is necessary for the complete construction of the project set forth by the Contract.
- D. Permitting & Permit Fees.
- E. The County reserves the right to delete any item included in the Schedule of Values and decrease the Contract Price by the scheduled amount for the item deleted.

1.05 MEASUREMENT FOR PAYMENT

- A. Methods of Measurement - Generally:
 - 1. Units of measurement shall be defined in general terms as follows:
 - a. Linear Feet (LF)
 - b. Square Feet (SF)
 - c. Square Yards (SY)
 - d. Cubic Yards (CY)
 - e. Each (EA)
 - f. Sacks (SK)
 - g. Lump Sum (LS)

2. Unit Price Contracts/Items:

- a. Linear Feet (LF) shall be measured along the horizontal length of the centerline of the installed material, unless otherwise specified. Pipe shall be measured along the length of the completed pipeline, regardless of the type of joint required, without deduction for the length of valves or fittings. Pipe included within the limits of lump sum items will not be measured.
- b. Square Feet (SF), Square Yards (SY), Cubic Yards (CY), Each (EA) and Sacks (SK) shall be measured as the amount of the unit of measure installed and compacted within the limits specified and shown in the Specifications and Drawings. Slope angles and elevations shall be measured using land-surveying equipment. Contractor shall provide supporting documentation (i.e. drawings, delivery tickets, invoices, survey calculations, etc.) to verify actual installed quantities.

B. Lump Sum Contracts/Items - Generally:

1. Quantities provided in the Schedule of Values are for the purpose of estimating the completion status for progress payments. Payment will be made for each individual item on a percentage of completion basis as estimated by the Contractor and approved by the County.
2. Adjustments to costs provided in the accepted Schedule of Values may be made only by Change Order.
3. The County reserves the right to delete any item included in the Schedule of Values and decrease the Contract Price by the scheduled amount for the item deleted.

1.06 MEASUREMENT AND PAYMENT ITEMS

A. ***Only those bid items included in the Bid Schedule are applicable for this Contract.*** The County has standardized the measurement and payment items. Currently, there are approximately 100 measurement and payment items describing approximately 300 bid items. The bid item numbering system comprises five sections that are divided into 23 subsections. The sections and subsections are listed below.

10. General Requirements
 - 10.1 General
11. Site Work
 - 11.1 Miscellaneous
 - 11.2 Road Work
 - 11.3 Install/Replace Fence or Wall
 - 11.4 Bypass Pumping
 - 11.5 Abandon or Remove Pipe/Structure
12. Pressure Pipes
 - 12.1 Pressure Pipe and Fittings and Restrained Joints
 - 12.2 Valves
 - 12.3 Tapping Sleeve and Valve Assembly
 - 12.4 Cut-in Connections to Existing Main
 - 12.5 Piping Appurtenances
 - 12.6 Directional Drill
 - 12.7 Pipe Bursting

- 13. Wastewater Collection System
 - 13.1 Cleaning Sanitary Sewers
 - 13.2 CCTV Sanitary Sewers
 - 13.3 Install/Replace Sanitary Sewer
 - 13.4 Install/Replace Sanitary Manholes
 - 13.5 Sanitary Manhole Rehabilitation
 - 13.6 Sanitary Service Laterals and Cleanouts
 - 13.7 Cured-in-Place Pipe (CIPP) Liner
 - 13.8 Sanitary Sewer Pipe Bursting
- 14. Pump Stations
 - 14.1 Wastewater Duplex Pump Station
 - 14.2 Wastewater Triplex Pump Station

All of the subsections have bid item measurement and payment descriptions. Several bid items in the Project Bid Schedule may be described with the same bid item measurement and payment description in Table A, "Measurement and Payment Items". The bid items in the Project Bid Schedule are related to the Section 01025 measurement and payment items as follows:

1. All of the bid items in the Project Bid Schedule have 8 numerical digits.
2. Table A, "Measurement and Payment Items" for each of the bid items there are five numerical digits followed by ".xxx".
3. The first 5 numerical digits of the bid item in the Project Bid Schedule designate the measurement and payment item found in Table A, "Measurement and Payment Items."

Table A

BID ITEM	MEASUREMENT AND PAYMENT ITEMS
	Pg 1
	10 GENERAL REQUIREMENTS
	10.1 - General
1	Reference ID 10.110.110 Mobilization, Demobilization, Bonds, and Permits (not to exceed 5% of the total of all bid items except bid items under section 10.1 General)
	<p>a. Measurement: Measurement of various items for Mobilization and Demobilization shall not be made for payment and all items shall be included in the lump sum price. <u>This lump sum price shall not exceed 5% of the total of all bid items except bid items under section 10.1 General.</u></p> <p>b. Payment: Payment of 75 percent of the applicable lump sum price for the item shall be full compensation for the Work consisting of the preparatory Work and operations in mobilizing for beginning Work on the Contract, including, but not limited to, movement of those personnel, equipment, supplies and incidentals to the project site, preparation of submittals, and for the establishment of temporary offices and buildings, safety equipment and first aid supplies, project signs, field surveys, sanitary and other facilities required by these specifications, and State and local laws and regulations.</p>

	<p>The costs of General Requirements (Section 01001), bonds, permits, and any required insurance, project signs, and any other preconstruction expense necessary for the start of the work, excluding the cost of construction materials, shall also be included. This Work also consist of the general project management of the Work including, but not limited to, field supervision and office management, as well as other incidental cost for management of the Work during the duration of the Contract. This Work also includes maintenance of the field offices for the duration of the Contract.</p> <p>Payment of the remaining 25 percent of the applicable lump sum price for this item also consists of demobilization or the operations normally involved in ending Work on the project including, but not limited to, termination and removal of temporary utility service and field offices; demolition and removal of temporary structures and facilities; restoration of Contractor storage areas; disposal of trash and rubbish, and any other post-construction work necessary for the proper conclusion of the Work.</p>
2	Reference ID 10.120.110 Preconstruction Audio-Video Documentation
	<p>a. Measurement: Measurement shall be based on the satisfactory submittal of a comprehensive pre-construction video in accordance with the County requirements and specifications (Section 01101).</p> <p>b. Payment: Payment of the applicable Contract lump sum price as stated in the proposal will be full compensation for furnishing all labor, materials, and equipment necessary to create a comprehensive pre-construction video in accordance with the County requirements and specification.</p>
3	Reference ID 10.130.110 Indemnification
	<p>a. Payment: In consideration of the Contractor's Indemnity Agreement as set out in the Contract Documents, the County specifically agrees to give the Contractor a maximum of \$100.00 and other good and valuable consideration, receipt of which is acknowledged upon signing of the Agreement.</p>
4	Reference ID 10.140.110 Project Record Documents (a minimum of 1% of the total of all bid items except bid items under section 10.1 General)
	<p>a. Measurement: Measurement for this item shall be based on satisfactory progress of the Contractor to provide Project Record Documents in accordance with the County requirements and specifications (Section 01720). Various items for Project Record Documents shall not be made for individual payment and all items shall be included in the lump sum price. <u>This lump sum price shall be a minimum of 1% of the total of all bid items except bid items under section 10.1 General).</u></p> <p>b. Payment: Payment of the applicable Contract lump sum price as stated in the proposal will be full compensation for furnishing all labor, materials, and equipment necessary to create the Project Record Drawings, including the certified as-built survey, in accordance with the County requirements and</p>

	specifications. Payment will be made at the lump sum price divided into equal monthly payments based on the Contract Time and acceptance by County of the progressive as-built drawings and tables.
5	Reference ID 10.150.110 Maintenance of Traffic
	<p>a. Measurement: Measurement shall be based on satisfactory Maintenance of Traffic (MOT) in accordance with County requirements and Florida Department of Transportation (FDOT) standards.</p> <p>b. Payment: Payment of the applicable Contract lump sum price as stated in the proposal will be full compensation for furnishing all labor, materials, and equipment necessary to maintain public roadway and pedestrian traffic including flag men, uniformed police officers, barricades, warning lights/flashers, and safety ropes. Also included is furnishing, installing and maintaining a Traffic Control Plan, control and safety devices, control of dust, temporary crossing structures over trenches, any necessary detour facilities, and other special requirements for the safe and expeditious movements of traffic.</p>
6	Reference ID 10.160.110 Public Information Officer
	<p>a. Measurement: Measurement shall be based on satisfactory Public Information/Relations in accordance with County requirements.</p> <p>b. Payment: Payment of the applicable Contract lump sum price as stated in the proposal will be full compensation for furnishing all labor, materials, and equipment necessary to provide and maintain communication with those individuals having a residence, business, or property adjacent to or within 1,000-feet of the construction area. Payment shall include the rental of venues, preparation of and conducting all meetings, and preparation of and disbursement of printed materials.</p>
7	Reference ID 10.170.110 License Agreement/Notification to Homeowner
	<p>a. Measurement: Shall be measured as lump sum to obtain notarized License Agreement from affected property owners and all items shall be included in the lump sum price. This item shall include furnishing all labor, materials, equipment and services necessary to obtain notarized Licensed Agreement from affected property owners prior to beginning any work on private property.</p> <p>b. Payment: Pay item to be apportioned to the total of the water/wastewater system improvements of the Work requiring the execution of License Agreement(s) and paid monthly based on the Work in the areas completed as part of the pay application that require the execution of License Agreement(s).</p>
	11 SITE WORK
	11.1 – Miscellaneous
8	Reference ID 11.110.110 Erosion and Sediment Control
	<p>a. Measurement: Measurement shall be based on satisfactory Erosion and Sediment Control in accordance with the County requirements and</p>

	<p>specifications (Section 01560).</p> <p>b. Payment: Payment of the applicable Contract lump sum price as stated in the proposal will be full compensation for furnishing all labor, materials, and equipment to control and prevent sediment transportation from the Work area to adjacent properties, including installation, maintenance, and removal of temporary erosion and sediment controls.</p>
9	Reference ID 11.120.110 Unsuitable Materials
	<p>a. Measurement: Unsuitable Material shall be measured in actual cubic yards removed and disposed of in accordance with the County requirements and specifications. Extra volume beyond the limits of construction will not be measured for payment. The Contractor shall provide survey calculations to verify actual removed quantities.</p> <p>b. Payment: Payment will be made at the contract unit price bid per cubic yard as stated in the proposal and shall include all labor, materials and equipment to remove and dispose of unsuitable material including the removal of overburden.</p>
10	Reference ID 11.130.110 Fill Dirt
	<p>a. Measurement: Fill Dirt shall be measured in actual cubic yards of suitable material placed and compacted in accordance with the County requirements and specifications. Extra volume beyond the limits of construction will not be measured for payment. The Contractor shall provide survey calculations to verify actual placed quantities.</p> <p>b. Payment: Payment will be made at the contract unit prices bid per cubic yard as stated in the proposal and shall include all labor, materials and equipment to replace and compact suitable material including the removal of overburden.</p>
11	Reference ID 11.160.110 ERCP Pipe, Connect with Concrete Collar and Remove and Replace Existing Headwall
	<p>a. Measurement: ERCP Pipe Replacement shall be measured in actual linear feet satisfactorily removed and replaced, as measured along the length of the centerline of the completed pipeline.</p> <p>b. Payment: Payment will be made at the contract unit price bid per linear feet as stated in the proposal for Storm Pipe Replacement and shall include all labor, materials, and equipment to remove and replace the respective storm pipe including temporary stormwater management, protection of existing utilities and irrigation, dewatering, excavation, pipe replacement, connection to existing storm pipes utilizing collars wrapped in 6-feet of filter fabric, replacement of mitered end sections, headwall, backfill, compaction, grading, sod replacement, restoration and clean-up.</p>
	11.2 - Road Work
	Reference ID 11.210.xxx Concrete Base (various thickness)

	<p>a. Measurement: Concrete Base shall be measured in actual square yards of high early strength concrete base with prime and tack coats installed in accordance with the County requirements and specifications.</p> <p>b. Payment: Payment will be made at the contract unit price bid per square yard as stated in the proposal for Concrete Base and shall include all labor, materials and equipment to install, and spread concrete base. No separate payment will be made for prime and tack coats.</p>
	Reference ID 11.211.xxx Limerock Base (various thickness)
	<p>a. Measurement: Limerock Base shall be measured in actual square yards of limerock base with prime and tack coats installed in accordance with the County requirements and specifications (Section 02571).</p> <p>b. Payment: Payment will be made at the contract unit price bid per square yard as stated in the proposal for Limerock Base and shall include all labor, materials and equipment to install, spread, and compact limerock base. No separate payment will be made for prime and tack coats.</p>
12	Reference ID 11.212.111 Soil Cement Base (various thickness)
	<p>a. Measurement: Soil Cement Base shall be measured in actual square yards of soil cement base with prime and tack coats installed in accordance with the County requirements and specifications (Section 02571).</p> <p>b. Payment: Payment will be made at the contract unit price bid per square yard as stated in the proposal for Soil Cement Base and shall include all labor, materials and equipment to install, spread, and compact limerock base. No separate payment will be made for prime and tack coats.</p>
	Reference ID 11.220.xxx Temporary Paving (cold mix overlay) (various thickness)
	<p>a. Measurement: Temporary Paving shall be measured in actual square yards of temporary paving furnished and installed in accordance with the Plans and Specifications.</p> <p>b. Payment: Payment will be made at the contract unit price bid per square yard as stated in the proposal for Temporary Paving and shall include all labor, materials, and equipment to apply the cold mix overlay in accordance with County requirements and specifications. The unit price bid shall also include traffic signalization repair, and temporary striping and markings.</p>
13	Reference ID 11.230.110 Milling and Resurfacing
	<p>a. Measurement: Milling and Resurfacing shall be measured in actual square yards over which the milling and subsequent resurfacing is completed and accepted at the thickness as indicated in the Drawings.</p> <p>b. Payment: Payment will be made at the contract unit price bid per square yard as stated in the proposal for Milling and Resurfacing and shall include all</p>

	labor, materials, and equipment to mill surface; dispose of milled materials; and apply Type S-III asphalt surface overlay in accordance with County requirements and specifications. The unit price bid shall also include traffic signalization repair, and permanent striping and markings.
	Reference ID 11.240.xxx Road Crossing Pavement Restoration
	<p>a. Measurement: Road Crossing Pavement Restoration shall be measured in actual square yards of existing asphalt paving and subgrade removal and replacement furnished and installed in accordance with the County requirements and specifications. The width measured for payment of asphalt surface repair, as measured perpendicular to the centerline of the pipe, shall be limited to the width shown on the Drawings (maximum pay width of 8-feet). The length shall be as measured along the centerline of the pipe.</p> <p>b. Payment: Payment will be made at the contract unit price bid per square yard as stated in the proposal for Road Crossing Pavement Restoration and shall include all labor, materials, and equipment necessary to provide a safe, smooth driving surface. The Work shall include saw cutting, pavement removal and proper disposal of exiting pavement, installing high early concrete and asphalt surface into a properly prepared subgrade, traffic signalization repair, and temporary and permanent striping and markings in accordance with the County requirements and specifications.</p>
14	Reference ID 11.241.110 Asphalt Roadway Replacement (various thickness)
	<p>a. Measurement: Asphalt Roadway Repair shall be measured in actual square yards of existing asphalt paving and subgrade removal and replacement furnished and installed in accordance with the County requirements and specifications. The width measured for payment of asphalt surface repair, as measured perpendicular to the centerline of the pipe, shall be limited to the width shown on the Drawings. The length shall be as measured along the centerline of the pipe.</p> <p>b. Payment: Payment will be made at the contract unit price bid per square yard as stated in the proposal for Asphalt Roadway Replacement and shall include all labor, materials, and equipment necessary to provide a safe, smooth driving surface. The Work shall include saw cutting; pavement removal and proper disposal of exiting pavement, installing prime coat, tack coat, and asphalt, compaction, traffic signalization repair, and temporary striping and markings in accordance with the County requirements and specifications. Payment will be made once and shall include both temporary and permanent Asphalt Roadway Replacement.</p>
15-16	Reference ID 11.250.110 and 11.250.111 Concrete Pavement Replacement (various thickness)
	<p>a. Measurement: Concrete Pavement Replacement shall be measured in actual square yards of concrete removed and replaced. Width of replaced sidewalk shall match that of existing sidewalk. Replaced portions of driveways shall conform to the lines and grades of removed portions of driveways.</p>

	<p>Thickness of pavement shall be as indicated in the plans and specifications.</p> <p>b. Payment: Payment will be made at the contract unit price bid per square yard as stated in the proposal for Concrete Pavement Replacement and shall include all labor, materials, and equipment for saw-cutting, removal and proper disposal of existing concrete, compaction, form work, concrete replacement, restoration, and clean-up for a complete installation.</p>
17	<p>Reference ID 11.251.112 Construct Public Sidewalk ADA Ramp</p>
	<p>a. Measurement: Measurement for Construct Public Sidewalk ADA Ramp shall be made per actual number of sidewalk ramps with detectable warning surface installed.</p> <p>b. Payment: Payment for Construct Public Sidewalk ADA Ramp shall be made based on the authorized quantity at the unit price indicated in the Bid. Payment of the applicable Contract unit price shall be full compensation for furnishing all labor, materials, and equipment necessary for installing new concrete sidewalk ramps to current FDOT Index 304. This includes clearing, grubbing compaction, forming, concrete and detectable warning surface placement, finishing, restoration and clean up.</p>
	<p>Reference ID 11.252.110 Concrete Paver Replacement</p>
	<p>a. Measurement: Concrete Paver Replacement shall be measured in actual square yards of concrete pavers removed and replaced. Replaced portions of driveways shall conform to the lines and grades of removed portions of road or driveways.</p> <p>b. Payment: Payment will be made at the contract unit price bid per square yard as stated in the proposal for Concrete Paver Replacement and shall include all labor, materials, and equipment for saw-cutting, removal and proper storage of existing pavers, furnishing and installing new base materials, compaction, paver replacement, restoration, and clean-up for a complete installation</p>
18	<p>Reference ID 11.260.111 Driveway Culvert Storm Pipe Replacement (various sizes)</p>
	<p>a. Measurement: Culvert Storm Pipe Replacement shall be measured in actual linear feet satisfactorily removed and replaced, as measured along the length of the centerline of the completed pipeline.</p> <p>b. Payment: Payment will be made at the contract unit price bid per linear feet as stated in the proposal for Culvert Storm Pipe Replacement and shall include all labor, materials, and equipment to remove and replace the respective storm pipe including temporary stormwater management, protection of existing utilities and irrigation, dewatering, excavation, pipe replacement, connection to existing storm pipes utilizing collars wrapped in 6-feet of filter fabric, replacement of mitered end sections, backfill, compaction, grading, sod replacement, restoration and clean-up.</p>