

July 12, 2018

**BOARD OF COUNTY
COMMISSIONERS ORANGE
COUNTY, FLORIDA**

ADDENDUM NO. 1 / IFB NO. Y18-776-TA

**WINTER GARDEN – VINELAND ROAD (CR 535)
FORCE MAIN REPLACEMENT PROJECT**

BID OPENING DATE: ~~JULY 17, 2018~~ JULY 19, 2018

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 ~~strike through~~.

A. BID OPENING DATE IS HEREBY CHANGED FROM ~~JULY 17, 2018~~ TO JULY 19, 2018.

B. QUESTIONS AND ANSWERS

1. **Q: Please provide Asphalt pavement restoration detail, IE. Limerock Base Thickness required, Asphalt Type and Thickness to be restored.**
 - A. Bidders are directed to Plan Sheet D-101, Details A-612 and A-613. Concrete base thickness is as stated in the details and the asphalt thickness shall be the same as referenced under the Pay Item #10 Milling and Resurfacing.
2. **Q: Please provide a Milling and Resurfacing detail and/or provide thickness for milling and resurfacing asphalt type and thickness.**
 - A. See description in Specification 01025 – Measurement and Payment Item No. 10 for thickness of Milling and placement of and type of Resurfacing.
3. **Q: No call outs found on plans for "to be removed and salvaged" (Bid item #34), please specify locations and lengths to be salvaged.**
 - A: Bidders are directed to sheet X-101 Force Main Sample Collection Table. In this table the sample collection locations are listed on a per plan sheet and station basis and so located on those plan sheets and at those locations by an “SP (SEE SHEET X-101)” note.

4. **Q: Unable to locate Bid Items #40 - F&I 4" Plug Valve w/Box, #48 Air Release Valve Assembly on plans. Please confirm quantities and locations.**

A: The 4 inch plug valves were changed to 6 inch plug valves – See Revised Bid Schedule. Air Release valves are to be located at the following approximate locations within the project and are subject to being moved based upon the direction of the OCU Inspection Staff.

Sheet C-102 – Station 1012+50

Sheet C-104 – Station 1025+80

Sheet C-108 – Station 1047+90

Sheet C-110 – Station 1061+00

Sheet C-114 – Station 1071+50

5. **Q: Please review bid quantity for Bid Item #44 - 20" Plug Valve w/Box bid form call for 6, we located 8 EA.**

A: See Revised Bid Schedule and Pay Item Descriptions that correct the number of all plug valves.

6. **Q. Please confirm the quantities listed from Bid Items #10, #11 & #12. Our take-off of these areas is more than 15% +/- from the published quantities.**

A. The quantities were confirmed to be as shown on the Revised Bid Schedule and the per sheet quantities were adjusted for the Revised G-500 totals to match the Revised Bid Schedule. These pay items are based upon estimated unit quantities and may be adjusted up or down based upon directions from County Inspection Staff during the actual construction.

#10 – Milling and Resurfacing per Orange County Standards – The area for Mill and Resurface is for the area outside the area covered under Pay Item #12.

#11 – Road Crossing Pavement Restoration – To eliminate some confusion this pay item is being added/combined with Pay Item #12 Asphalt Pavement Roadway Removal and Replacement. Pay Item #9 will be adjusted up to cover the base that was included under this pay item.

#12 – Asphalt Pavement Replacement per Orange County - The asphalt thickness under this pay item shall be the same as detailed under Pay Item #10. See Revised Bid Schedule for new quantities.

C. SPECIFICATIONS

1. In Technical Specification Section 01025, 1.05, Reference ID 11.230.110 Milling and Resurfacing replace "X" in Pay Item column with "10".

2. In Technical Specification Section 01025, 1.05, delete pay item description for Pay Item 23 and insert the following revised description for Pay Item 23.

	11.4 - Bypass Pumping
23	Reference ID 11.410.111 Bypass Pumping Sanitary Sewer Mains (various sizes)
	<p>a. Measurement: Measurement for this item shall be based on the complete bypass operation and contingency plan in accordance with the County requirements and specifications.</p> <p>b. Payment: Payment of the applicable Contract lump sum price shall be full compensation for furnishing all labor, materials, equipment as necessary for bypass operations and contingency plan as required, including pumps, piping, and hoses; tankers; temporary bypass and service piping, fittings, <u>line stops and tapping sleeves and</u> valves (not left in place); hauling and proper disposal of wastewater; plugging; gasoline/diesel fuel; protection of existing facilities, utilities, and property; traffic maintenance; signs and barriers; and all incidental work required to satisfactorily complete this item.</p>

3. In Technical Specification Section 01025, 1.05, delete pay item description for Pay Items 41-45 and insert the following revised description for Pay Items 41-45.

	12.2 – Valves
41-45	Reference ID 12.220.440/111/<u>112</u>/114/115/116 Plug Valve with Box (various sizes)
	<p>a. Measurement: Measurement for Plug Valve with Box shall be made per actual number of plug valves with valve boxes satisfactorily furnished and <u>permanently</u> installed complete with covers and concrete collars.</p> <p>b. Payment: Payment for the Plug Valve with Box 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 to install the valve, valve box, valve box extensions, test station box and cap, operating nut extensions, valve wrenches, restraining devices, covers, concrete collars, excavation, dewatering, sheeting, shoring, bracing, backfill, compaction, restoration and all other items required for a complete, acceptable and operable installation <u>that remain in service at the end of the project and not be installed and removed as part of the temporary by-pass piping system.</u></p>

4. In Technical Specification Section 01025, 1.05, delete pay item description for Pay Item 46 and insert the following revised description for Pay Item 46-47.

	12.3 - Tapping Sleeve and Valve Assembly
46-47	Reference ID 12.310.115 Tapping Sleeve and Valve Assembly (various sizes)
	<p>a. Measurement: Measurement for Tapping Sleeve and Valve Assembly shall be made per actual number of tapping sleeves and valves satisfactorily furnished and <u>permanently</u> installed to provide a complete and functional unit.</p> <p>b. Payment: Payment for the Tapping Sleeve and Valve Assembly 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 to perform a wet tap to an existing main including excavation, sheeting, shoring, bracing, dewatering, backfill, compaction, grading, tapping sleeve, tapping valve, valve box extensions, operating nut extensions, valve wrenches, restraining devices, protection of potable water system, disinfection, restoration and all other items required for a complete, acceptable and operable installation <u>that remain in service at the end of the project and not be installed and removed as part of the temporary by-pass piping system.</u></p>

5. In Technical Specification Section 01025, 1.05, delete pay item description for Pay Items 47-48 and insert the following revised description for Pay Items 48-49.

	12.5 - Piping Appurtenances
48-49	Reference ID 12.510.111/115 Line Stop Assembly (various sizes)
	<p>a. Measurement: Measurement for Line Stopping Assembly shall be made per actual number of line stops satisfactorily furnished and installed to permanently or temporarily stop the flow within the indicated main at the locations shown on the Drawings.</p> <p>b. Payment: Payment for the Line Stopping Assembly 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 to perform a permanent or temporary line stop on an existing main including excavation, sheeting, shoring, bracing, dewatering, backfill, compaction, grading, tapping sleeve, plug, restraining devices, restraint of existing piping in accordance with the County</p>

	requirements, swabbing, restoration and clean-up and all other items required for a complete, acceptable and operable installation <u>that remain in service at the end of the project and not be installed and removed as part of the temporary by-pass piping system.</u>
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6. In Technical Specification Section 01025, 1.05, Reference ID 12.520.112 Air Release Valve Assembly (various sizes) replace “49” in Pay Item column with “50”.

7. In Technical Specification Section 01025, 1.05, Reference ID 13.350.110 Sanitary Sewer Force Main Connection to Existing Manhole replace “50” in Pay Item column with “51”.

D. DRAWINGS

1. DRAWING G-500

Amend: Delete drawing G-500 and replace with Revised G-500 drawing. The revised sheet has added and removed pay items and amended some quantities.

2. DRAWING C-101

Amend: At Station 1007+45 in the profile view delete ~~16” Plug Valve (PV-1)~~ and add 12” Plug Valve (PV-1)

E. IFB Y18-776-TA BID SCHEDULE

Delete : Delete the ~~IFB Y18-776-TA Bid Schedule~~ in its entirety.

Add: Add in its place REVISED IFB Y18-776-TA BID SCHEDULE, REVISED PAGES D3-D4, attached and labeled this Addendum.

IMPORTANT: Failure to submit your bid with the “Revised Bid Schedule” per this Addendum shall be cause for your bid to be rejected as non-responsive.

ACKNOWLEDGEMENT OF ADDENDA

- a. The Bidder 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 bid.

- b. All other terms, conditions and specifications of the IFB remain the same.
- c. Receipt acknowledged by:

Authorized Signature

Date Signed

Title

Name of Firm

ADDENDUM 1 IFB Y18-776-TA REVISED BID SCHEDULE

BID ITEM	REFERENCE ID		DESCRIPTION	QUANTITY	UNIT	Unit Cost	Extended Total
Section 10 - General Requirements							
Section 10.1 - General							
1	10.110.110		Mobilization, Demobilization, Bonds, and Permits (not to exceed 5% of the total of all bid items 6-49)	1	LS	\$	\$
2	10.120.110		Preconstruction Audio-Video Documentation	1	LS	\$	\$
3	10.130.110		Indemnification	1	LS	\$100.00	\$100.00
4	10.140.110		Project Record Documents (minimum 1% of total bid items except Section 10.1 General)	1	LS	\$	\$
5	10.150.110		Maintenance of Traffic	1	LS	\$	\$
Section 11 - Site Work							
Section 11.1 - Miscellaneous							
6	11.110.110		Erosion and Sediment Control	1	LS	\$	\$
7	11.120.110		Unsuitable Materials	10	CY	\$	\$
8	11.130.110		Fill Dirt	10	CY	\$	\$
Section 11.2 - Road Work							
9	11.213.110		Roadway Base	2700	SY	\$	\$
10	11.230.110		Mill and Resurface Per Orange County Standards	10,590	SY	\$	\$
44	44.240.110	-	Road Crossing Pavement Restoration	0	SY	-	-
12	11.241.111		Asphalt Pavement Replacement Per Orange County	3,360	SY	\$	\$
13	11.250.111		Concrete Pavement Replacement - 6" Thick Driveway	85	SY	\$	\$
14	11.250.110		Concrete Pavement Replacement - 4" Thick Sidewalk	30	SY	\$	\$
15	11.251.112		Construct Public Sidewalk ADA Ramp	1	SY		
16	11.260.110		Driveway Culvert Storm Pipe Removal/Replacement	1	EA	\$	\$
17	11.260.111		Driveway Culvert Storm Pipe Removal	1	EA	\$	\$
18	11.280.110		Concrete Curb and/or Curb and Gutter Replacement	1,940	LF	\$	\$
19	11.290.110		Sod Replacement - Bahia	7,690	SY	\$	\$
20	11.292.110		Tree Removal/Replacement within in ROW Crepe Myrtle and Cedar Tree	7	EA	\$	\$
21	11.292.111		Tree Removal/Replacement within in ROW Oak Tree	24	EA		
22	11.292.112		Tree Removal/Replacement within in ROW Palm Tree	29	EA	\$	\$
Section 11.4 - Bypass Pumping							
23	11.410.111		Bypass Piping Sanitary Sewer Mains	1	LS	\$	\$
24	11.420.112		Bypass Pump Station - PS 3155 (CR 535 Master)	2	EA	\$	\$
25	11.420.111		Bypass Pump Station - PS 3003 (Cypress Chase)	1	EA	\$	\$
26	11.420.110		Bypass Pump Station - PS 3972 (Lake Sheen Reserve)	1	EA	\$	\$

REVISED D-3

27	11.420.110		Bypass Pump Station - PS 3161 (Grandview Isle)	2	EA	\$	\$
28	11.420.110		Bypass Pump Station - PS XXXX (Zen Apartments)	2	EA	\$	\$
29	11.420.110		Bypass Pump Station - PS 3287 (Royal Cypress Preserve)	2	EA	\$	\$
Section 11.5 - Abandon or Remove Pipe/Structure							
30	11.530.110		Remove Existing 4" PVC Force Main	15	LF	\$	\$
31	11.530.111		Remove Existing 6" PVC Force Main	500	LF	\$	\$
32	11.530.112		Remove Existing 12" PVC Force Main	130	LF	\$	\$
33	11.530.113		Remove Existing 16" PVC Force Main	6,525	LF		
34	11.541.111		Sample Collection of Pipeline for Testing (Samples to Owner)	<u>6</u>	EA	\$	\$
35	11.541.111		Sample Collection of Pipeline for Testing (Samples to Independent Testing Laboratory)	<u>2</u>	<u>EA</u>	\$	\$
Section 12 - Pressure Pipe							
Section 12.1 - Pressure Pipes with Fittings and Restrained Joints							
36	12.130.110		Furnish & Install 4 inch PVC Force Main w/fittings & RJs	20	LF	\$	\$
37	12.130.111		Furnish & Install 6 inch PVC Force Main w/fittings & RJs	75	LF	\$	\$
38	12.130.112		Furnish & Install 8 inch PVC Force Main w/fittings & RJs	1,005	LF	\$	\$
39	12.130.114		Furnish & Install 16 inch PVC Force Main w/fittings & RJs	75	LF		
40	12.130.115		Furnish & Install 20 inch PVC Force Main w/fittings & RJs	6,615	LF	\$	\$
Section 12.2 - Valves							
41	12.220.110		Furnish & Install <u>6</u> inch Plug Valve with Box	5	EA	\$	\$
42	12.220.111		Furnish & Install <u>8</u> inch Plug Valve with Box	1	EA	\$	\$
43	12.220.114		Furnish & Install 12 inch Plug Valve with Box (Permanent)	<u>7</u>	EA	\$	\$
44	12.220.115		Furnish & Install 16 inch Plug Valve with Box	<u>2</u>	EA		
45	12.220.116		Furnish & Install 20 inch Plug Valve with Box	<u>8</u>	EA	\$	\$
Section 12.3 - Tapping Sleeve and Valve Assembly							
46	12.310.111		<u>6"</u> Tapping Sleeve and Valve Assembly (Permanent)	<u>1</u>	<u>EA</u>	\$	\$
47	12.310.115		16" Tapping Sleeve and Valve Assembly (Permanent)	<u>3</u>	EA	\$	\$
Section 12.5 - Piping Appurtenances							
48	12.510.111		6 inch Line Stop Assembly	2	EA	\$	\$
49	12.510.115		16 inch Line Stop Assembly	<u>1</u>	EA	\$	\$
50	12.520.112		Air Release Valve Assembly	5	EA	\$	\$
Section 13 - Wastewater Collection System							
Section 13.3 - Install / Replace Sanitary Sewer Main							
51	13.350.110		Sanitary Sewer Force Main Connection to Existing Manhole	1	EA	\$	\$

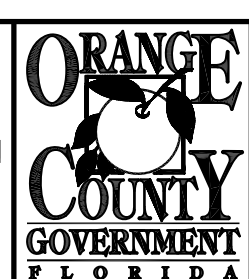
TOTAL ESTIMATED BID (LINES 1-10, 12-51) \$ _____

SUMMARY OF PAY ITEMS																						
BID ITEM	REFERENCE ID	DESCRIPTION	QUANTITY	UNIT	Unit Cost	Line Cost	C-101	C-102	C-103	C-104	C-105	C-106	C-107	C-108	C-109	C-110	C-111	C-112	C-113	C-114	C-115	TOTAL
Section 10 - General Requirements																						
Section 10.1 - General																						
1	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)	1	LS																		1
2	10.120.110	Preconstruction Audio-Video Documentation	1	LS																		1
3	10.130.110	Indemnification	1	LS																		1
4	10.140.110	Project Record Documents (minimum 1% of total bid items except Section 10.1 General)	1	LS																		1
5	10.150.110	Maintenance of Traffic	1	LS																		1
Section 11 - Site Work																						
Section 11.1 - Miscellaneous																						
6	11.110.xxx	Erosion and Sediment Control	1	LS																		1
7	11.120.xxx	Unsuitable Materials	10	CY																		10
8	11.130.xxx	Fill Dirt	10	CY																		10
Section 11.2 - Roadway																						
9	11.213.110	Roadway Base	2,700	SY			100	300		210	170	20	230	70		1325	10	65	200			2700
10	11.230.110	Mill and Resurface Per Orange County Standards	10,590	SY			305	1200	370	1320	170	270	1250	450		4270	215	770				10590
11	11.240.110	Road Crossing Pavement Restoration	0	SY																		0
12	11.241.111	Asphalt Roadway Removal and Replacement	3,360	SY			125	360	35	260	205	25	285	80		1650	15	85	235			3360
13	11.250.111	Concrete Pavement Replacement - 6" Thick Driveway	85	SY																85		85
14	11.250.110	Concrete Pavement Replacement - 4" Thick Sidewalk	30	SY															30			30
15	11.251.112	Construct Public Sidewalk ADA Ramp	1	SY															1			1
16	11.260.110	Driveway Culvert Storm Pipe Removal/Replacement	1	EA																1		1
17	11.260.111	Driveway Culvert Storm Pipe Removal	1	EA															0.5	0.5		1
18	11.280.110	Concrete Curb and/or Curb and Gutter Replacement	1,940	LF			405	400	25	250	335		300	145		80						1940
19	11.290.110	Sod Replacement - Bahia	7,690	SY			390	60	800	490	610	900	475	800	900	265	625	425	600	350		7690
20	11.292.110	Tree Removal/Replacement within in ROW Crepe Myrtle and Cedar Tree	7	EA													3	4				7
21	11.292.111	Tree Removal/Replacement within in ROW Oak Tree	24	EA				1	4	1	5	3		4	6							24
22	11.292.112	Tree Removal/Replacement within in ROW Palm Tree	29	EA					12	4		9		1	3							29
Section 11.4 - Bypass Pumping																						
23	11.410.111	Bypass Piping Sanitary Sewer Mains	1	LS																		0
24	11.420.112	Bypass Pump Station - PS 3155 (CR 535 Master)	2	EA														1		1		2
25	11.420.111	Bypass Pump Station - PS 3003 (Cypress Chase)	1	EA																1		1
26	11.420.110	Bypass Pump Station - PS 3972 (Lake Sheen Reserve)	1	EA																1		1
27	11.420.110	Bypass Pump Station - PS 3161 (Grandview Isle)	2	EA										2								2
28	11.420.110	Bypass Pump Station - PS XXXX (Zen Apartments)	2	EA						2												2
29	11.420.110	Bypass Pump Station - PS 3287 (Royal Cypress Preserve)	2	EA					2													2
Section 11.5 - Abandon or Remove Pipe/Structure																						
30	11.530.110	Remove Existing 4" PVC Force Main	15	LF						15												15
31	11.530.111	Remove Existing 6" PVC Force Main	500	LF					25							20				75		500
32	11.530.112	Remove Existing 12" PVC Force Main	131	LF									65	66								131
33	11.530.113	Remove Existing 16" PVC Force Main	6,525	LF			415	600	600	600	600	600	600	600	600	620				430	260	6525
34	11.541.110	Sample Collection of Pipeline for Testing (Samples to Owner)	6	EA				1		1			1			1				1		6
35	11.541.111	Sample Collection of Pipeline for Testing (Samples to Independent Testing Laboratory)	2	EA								1								1		2
Section 12 - Pressure Pipe																						
Section 12.1 - Pressure Pipes with Fittings and Restrained Joints																						
36	12.130.110	Furnish & Install 4 inch PVC Force Main w/fittings & RJs	20	LF						20												20
37	12.130.111	Furnish & Install 6 inch PVC Force Main w/fittings & RJs	75	LF					30											20		75
38	12.130.112	Furnish & Install 8 inch PVC Force Main w/fittings & RJs	1,005	LF																700	305	1005
39	12.130.114	Furnish & Install 16 inch PVC Force Main w/fittings & RJs	75	LF																75		75
40	12.130.115	Furnish & Install 20 inch PVC Force Main w/fittings & RJs	6,615	LF			415	600	600	600	600	600	600	600	600	600	470	330				6615
Section 12.2 - Valves																						
41	12.220.111	Furnish & Install 6 inch Plug Valve with Box	5	EA					1	1				1						2		5
42	12.220.112	Furnish & Install 8 inch Plug Valve with Box	1	EA																	1	1
43	12.220.114	Furnish & Install 12 inch Plug Valve with Box (Permanent)	7	EA			1	1		1	1		1	1		1						7
44	12.220.115	Furnish & Install 16 inch Plug Valve with Box	2	EA															2			2
45	12.220.116	Furnish & Install 20 inch Plug Valve with Box	8	EA			1	1		1	1		1	1		1				1		8
Section 12.3 - Tapping Sleeve and Valve Assembly																						
46	12.310.111	6" Tapping Sleeve and Valve Assembly (Permanent)	1	EA																	1	1
47	12.310.115	16" Tapping Sleeve and Valve Assembly (Permanent)	3	EA			1														2	3
Section 12.5 - Piping Appurtenances																						
48	12.510.111	6 inch Line Stop Assembly	2	EA																	2	2
49	12.510.115	16 inch Line Stop Assembly	1	EA			1															1
50	12.520.112	Air Release Valve Assembly	5	EA				1		1						1					1	5
Section 13 - Wastewater Collection System																						
Section 13.3 - Install / Replace Sanitary Sewer Main																						
51	13.350.110	Sanitary Sewer Force Main Connection to Existing Manhole	1	EA																	1	1

ADDENDUM NO. 1

REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT SCALE ACCORDINGLY)



ORANGE COUNTY UTILITIES DEPARTMENT ENGINEERING DIVISION
9150 CURRY FORD ROAD ORLANDO, FL. 32825



A Full Service A & E Firm
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. AA2600926
Landscape Lic. No. LC0000298

SUMMARY OF PAY ITEMS
WINTER GARDEN-VINELAND ROAD (CR 535)
FORCE MAIN REPLACEMENT PROJECT

DAVID E. MAHLER
PROFESSIONAL ENGINEER
FLORIDA LICENSE #50041

OCU FILE NO.:
DESIGNED BY: DAW
DRAWN BY: GNP
CHECKED BY: DEM
CADD FILE: O28530 Cover

SCALE: AS SHOWN
DRAWING NO.:
G-500
SHEET: 6 OF 40