

MEMORANDUM

To: All Interested Bidders

Date: January 5, 2016

Invitation for Bid IFB#16-03780V

Subject: Tallevast Road Sidewalk, from 15th St. E. To Post Office
(Project No.: 6044600)
ADDENDUM #2



Bidders are hereby notified that this Addendum shall be acknowledged on page Bid Form-1 of the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without Acknowledgement of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding document, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

The deadline to submit all inquiries concerning interpretation, clarification or additional information pertaining to this bid has expired. This deadline has been established to maintain fair treatment for all potential bidders, while maintaining the expedited nature of the Economic Stimulus that the contracting of this work may achieve.

Bidders Note 1:

The Engineer's Estimate for this project has been **revised** to read \$952,675.78.

Bidders Note 2:

The Bid Opening date for this project has been revised to January 14, 2016 at 3:00 PM

(WAS: January 8, 2016 at 3:00 PM).

Bidders Note 3:

Line No. 37 has been revised to read as follows:

Bid Item No. 536-MC Guardrail, quantity 282 LF. See Clarification of Specific Line Items, Page 25 of the Special Provisions. (4 total revised Special Provision pages attached).

(WAS: No. 536-1-1, Guardrail, quantity 230 LF).

An interactive Excel Bid Form is made a part of this Addendum #2. (8 total pages)

Financial Management
Purchasing Division
1112 Manatee Ave W Suite 803, Bradenton, FL 34205
Phone number: (941)749-3014

LARRY BUSTLE * CHARLES SMITH * JOHN R. CHAPPIE * ROBIN DISABATINO * VANESSA BAUGH * CAROL WHITMORE * BETSY BENAC

District 1

District 2

District 3

District 4

District 5

District 6

District 7

Bidders Note 4:

Reply to questions received through December 18, 2015 at 5:00 PM.

- Q1. Special Provisions state that we cannot close the road between 8 AM to 6PM, but we can close one lane and flag during this time frame? Please clarify.
- A1. **Yes, one lane closure and flagging during this time frame is allowed, however, Contractor shall be required to submit to Manatee County for prior approval, any proposed lane closures.**
- Q2. Will Railroad Insurance or Railroad Flaggers be required for this project? If Flaggers are required, will the County pay the fee for the Flaggers?
- A2. **Per Manatee County Agreement with Seminole Gulf Railway, paragraph 3 (c), Seminole Gulf Railway shall provide flagman/inspection services to the County for the paving operations by the County within railroad right of way. Railroad Protective Liability Insurance will not be required. A copy of the Agreement between Manatee County and Seminole Gulf Railway was made a part of the original Invitation for Bid.**
- Q3. Is soil excavated during trenching operations for utilities and storm sewer that must be taken to the Lena Road Landfill included in Bid Item No. 7, Soil Disposal?
- A3. **The soil excavated during trenching operations for utilities and storm sewer is included in Bid Item No. 7, Soil Disposal.**
- Q4. Is import fill required to replace the disposed soil from trenching operations included in Bid Item No. 9, Embankment item?
- A4. **No, the import fill required to replace the disposed soil from trenching operations for Pipe shall be included in the pipe installation unit price per FDOT Specifications, 2015.**
- Q5. Will an excel spreadsheet version of the bid sheet be available?
- A5. **Yes, an interactive excel spreadsheet for Bid A and Bid B is made a part of this Addendum #2. (8 total pages attached).**
- Q6. Are we required to stockpile all soil excavated on site? Or can soil be immediately hauled to the Lena Road Landfill after excavation?
- A6. **Soil excavated on site can be immediately hauled to the Lena Road Landfill as long as it meets the paint filter liquid test requirements of Manatee County Landfill.**

Q7. Are geotechnical reports available?

A7. No, Geotechnical reports are not available.

Q8. Bid Item 6, 120-1, Regular Excavation and Bid Item 7, Soil Disposal both have a unit of measurement in cubic yards. How is measurement for payment for these bids items going to be made? The soil for disposal will be going to the landfill and will be measured in tons. Please clarify on how measurement for payment for the two bid items will be addressed.

A8. This payment is based on Cubic Yards in place value. The Bidders may do the conversion from Ton to Cubic Yards and provide a price in Cubic Yards.

Q9. I received the following statement from our guardrail installer and wish to share it with you. He states:

1. This job is calling out the 2015 Design standards
2. There are issues in what the County is requesting which do not comply with the design standards
3. Special Provisions, page 25 for Item No. 37 is calling out end anchors, impact heads
4. Impact heads are a component of a type parallel end anchor system which is 53.125 LF long
5. The one run is only 53 LF long and you have to have an anchor on both ends of a guardrail run so the shortest a run can be is 106.25 LF. The other 175 LF run is calling out to mount the end anchor to the back of the wall which cannot be done. That is not how they are crash tested. They must go into the ground.
6. Special Provisions, page 25 is calling for shop drawings for the post attachments to the wall. FDOT does not side mount posts to walls as indicated and we are not designers or engineers.

Please review and advise how to proceed.

A9. Line No. 37, Bid Item No. 536-MC has been revised (WAS: 536-1-1) and the quantity has been revised from 230 LF to 282 LF for better installation. The successful Contractor shall submit shop drawings, signed and sealed by a Florida Professional Engineer. The Test Level system shall be in accordance with the current FHWA guidelines and per the website:

http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/ctrmeasures/bridge_railings/.

4 BOLT HOLES
 -3/4" W x 1 1/2" Lg SLOTTED
 12.5 IN POST
 -3/4" Ø HOLES IN TUBING
 5/8" Ø x 1 1/2" Lg BOLT
 TS 8 x 4 x 3/8" TUBING
 6" Lg EACH POST
 1/2" BOLT HOLE x W-BEAM OR
 3/4" W x 1 1/2" Lg SLOTTED
 HOLE IN POST
 3/4" Ø HOLE IN TUBING
 5/8" Ø x 10" Lg BOLT
 W8 x 25 GUARDRAIL POST
 PL "PP-1"
 (1/2" x 7 1/2")
 TOP OF BEAM OR
 OPTIONAL WEARING
 COURSE
 TYPE "1A" ANCHOR
 TYPE "2A" ANCHOR
 PL "PP-2"
 (1/2" x 7 1/2")

5' - 0 3/4"

8"

3/4"

4"

7 1/4"

10 1/2"

3 1/2"

8"

NOTE: MAXIMUM HEIGHT ADJUSTMENT FOR OPTIONAL BEARING COURSE IS 1 1/2"

5* 5ETQUE

$\frac{1}{4}" \times 8"$ LONG ALL THD STUDS
7 UNC RH THDS
2 MM NUTS & WASHERS PER STOD
AASHIO M164 (ASTM A325)

FASCIA OF BEAM

3"

12' - 3"

3/8"

INSERT

PL "PP-2"

PL "PP-1"

6 3/4"

5"

$\frac{1}{4}" \times 8"$ LONG SLEEVE NUT
7 UNC RH THREADS
MANUF. FROM HEX DR
SO STOCK - 1.70" MIN DIM
ACROSS FLATS:

$\frac{3}{4}" \times 12"$ LONG HEAVY HEX BOLT
MIN THD LENGTH - 3"
AASHIO M164 (ASTM A325)

TYPE "LA" ANCHOR DETAIL

A10. The Neenah Foundry Number for the Modified "C" Inlet w/Trench Drain is 49992415-4, B4.

Invitation for Bid IFB#16-0378-OV

January 5, 2016

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If you have submitted a bid prior to receiving this addendum, you may request in writing that your original sealed bid be returned to your firm. All sealed bids received will be opened on the date stated.

Bids will be received at the Manatee County Purchasing Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205 on **January 14, 2016 at 3:00 PM.**

End of Addendum #2

Sincerely,



Melissa M. Wendel, CPPPO, Purchasing Official
Manatee County Purchasing Division

Ov (Attachments):

Summary of Pay Items (1 total page via PDF)

From Special Provisions: Clarification of Specific Line,

REF: Line Item #37, Guardrail (4 total pages via PDF)

Interactive Excel Bid Forms (Bid A and Bid B, 8 total pages)

LINE NO.	ITEM NO.	DESCRIPTION	EST. QTY	UNIT
		ROAD WORK		
1.	101-1	MOBILIZATION	1.00	LS
2.	102-1	MAINTENANCE OF TRAFFIC	1.00	LS
3.	104-10-3	SEDIMENT BARRIER	3,882	LF
4.	104-18	INLET PROTECTION SYSTEM	36	EA
5.	110-2-1	CLEANING & GROOMING	1.8	AC
6.	120-1	REGULAR EXCAVATION	2,916	CY
7.	120-1	SOIL DISPOSAL	2,916	CY
8.	120-4	SUBSOIL EXCAVATION	800	CY
9.	120-6	EMBANKMENT (REGULAR)	2,718	CY
10.	180-4	12" TYPE B STABILIZATION LBR 80	1,686	SY
11.	285-709	10" OPTIONAL BASE GROUP B	1,227	SY
12.	322-70-1	MILLING EXIST ASPHALT, 1" AVG DEPTH	4,746	SY
13.	334-1-13	1.5" SUPER PAVE ASPHALTIC CONCRETE SP-12.5 TRAFFIC C	70	TN
14.	337-7-73	ASPHALT CONCRETE FRICTION COURSE, FC-9.5 TRAFFIC C	688	TN
15.	339-1	MISCELLANEOUS ASPHALT PAVEMENT	20	TN
16.	400-1	ENDWALL CLASS 1	20	CY
17.	400-1	GRAVITY WALL (STEEL INCLUDED)	60	CY
18.	425-1	DROP INLET	9	EA
19.	425-1	JUNCTION BOX BLOCK BOX	2	EA
20.	425-2-91	MANHOLE 1.8, <10' (6.25) MODIFIED	1	EA
21.	425-1201	INLETS, CURB TYPE B, <10' WITH WINDOWS	8	EA
22.	425-1841	INLETS, DT BOX, TYPE D, <10'	1	EA
23.	425-1	MODIFY TYPE C INLETS WITH TRENCH DRAIN (STEEL INCLUDED)	2	EA
24.	430-174-215	PIPE STORM SEWER CULVERT (12'X18')	68	LF
25.	430-174-218	PIPE STORM SEWER CULVERT (14'X22')	282	LF
26.	430-174-224	PIPE STORM SEWER CULVERT (18'X30')	1,628	LF
27.	430-884-828	MATERED END SECTION, 14'X 23'	2	EA
28.	430-884-828	MATERED END SECTION, 18'X 30'	1	EA
29.	515-1-2	PIPE HANDRAIL-GUIDEWALL, ALUMINUM	120	LF
30.	620-1-10	TYPE F CURB & GUTTER	1,983	LF
31.	620-1	MAIN CURB & GUTTER	697	LF
32.	620-1	VALLEY CROSSING	110	LF
33.	622-1	SIDEWALK CONCRETE 4"	1,505	SY
34.	622-1	SIDEWALK CONCRETE 8" THICK (CONC. DRIVEWAYS)	807	SY
35.	627-2	DETECTABLE WARRINGS	426	SF
36.	630-3-4	RIP RAP	30	TN
37.	630-3-4	GUARDRAIL	282	LF
38.	650-1	EXISTING FENCE TO BE REMOVED AND INSTALL NEW CLF	886	LF
39.	650-1	DEWATERING	1	LS
40.	670-1-2	PERFORMANCE TURF (BAHIA SOD)	8,000	SY
		UTILITIES RELOCATION		
41.	U-1	1" 316 SS SINGLE SERVICE WITH 10 LF SERVICE PIPE	8	EA
42.	U-2	1-1/2" - 316 SS DOUBLE SERVICE WITH 10 LF SERVICE PIPE	2	EA
43.	U-3	RELOCATE EXISTING 12" GATE VALVE	1	EA
44.	U-4	ADJUST VALVE BOX & COVER TO NEW GRADE	4	EA
		SIGNING AND PAVEMENT MARKING		
45.	0700-1-11	SINGLE POST SIGN, F&E, LESS THAN 12 SF	14	AS
46.	0700-1-30	SINGLE POST SIGN, RELOCATE	7	AS
47.	708-3	RETRO-REFLECTIVE PAVEMENT MARKERS, VV	89	EA
48.	0711-11-111	THERMOPLASTIC, STANDARD, WHITE SOLID 6"	1	EA
49.	0711-11-123	THERMOPLASTIC, STANDARD, WHITE SOLID 12"	488	LF
50.	0711-11-160	THERMOPLASTIC, STANDARD, WHITE SOLID 24"	1	EA
51.	0711-11-128	THERMOPLASTIC, STANDARD, WHITE SOLID 24"	88	LF
52.	0711-11-211	THERMOPLASTIC, STANDARD, YELLOW SOLID 6"	412	EA
53.	0711-11-231	THERMOPLASTIC, STANDARD, YELLOW SOLID, SKIP 8710-30 SK	0.30	GM

Addendum 2

Addendum 1



TALLEVAST ROAD SIDEWALK FROM 15TH ST. E. TO POST OFFICE SUMMARY OF PAY ITEMS

NO.	DESCRIPTION	UNIT	QTY	PRICE	AMOUNT
1	MOBILIZATION	LS	1.00		
2	MAINTENANCE OF TRAFFIC	LS	1.00		
3	SEDIMENT BARRIER	LF	3,882		
4	INLET PROTECTION SYSTEM	EA	36		
5	CLEANING & GROOMING	AC	1.8		
6	REGULAR EXCAVATION	CY	2,916		
7	SOIL DISPOSAL	CY	2,916		
8	SUBSOIL EXCAVATION	CY	800		
9	EMBANKMENT (REGULAR)	CY	2,718		
10	12" TYPE B STABILIZATION LBR 80	SY	1,686		
11	10" OPTIONAL BASE GROUP B	SY	1,227		
12	MILLING EXIST ASPHALT, 1" AVG DEPTH	SY	4,746		
13	1.5" SUPER PAVE ASPHALTIC CONCRETE SP-12.5 TRAFFIC C	TN	70		
14	ASPHALT CONCRETE FRICTION COURSE, FC-9.5 TRAFFIC C	TN	688		
15	MISCELLANEOUS ASPHALT PAVEMENT	TN	20		
16	ENDWALL CLASS 1	CY	20		
17	GRAVITY WALL (STEEL INCLUDED)	CY	60		
18	DROP INLET	EA	9		
19	JUNCTION BOX BLOCK BOX	EA	2		
20	MANHOLE 1.8, <10' (6.25) MODIFIED	EA	1		
21	INLETS, CURB TYPE B, <10' WITH WINDOWS	EA	8		
22	INLETS, DT BOX, TYPE D, <10'	EA	1		
23	MODIFY TYPE C INLETS WITH TRENCH DRAIN (STEEL INCLUDED)	EA	2		
24	PIPE STORM SEWER CULVERT (12'X18')	LF	68		
25	PIPE STORM SEWER CULVERT (14'X22')	LF	282		
26	PIPE STORM SEWER CULVERT (18'X30')	LF	1,628		
27	MATERED END SECTION, 14'X 23'	EA	2		
28	MATERED END SECTION, 18'X 30'	EA	1		
29	PIPE HANDRAIL-GUIDEWALL, ALUMINUM	LF	120		
30	TYPE F CURB & GUTTER	LF	1,983		
31	MAIN CURB & GUTTER	LF	697		
32	VALLEY CROSSING	LF	110		
33	SIDEWALK CONCRETE 4"	SY	1,505		
34	SIDEWALK CONCRETE 8" THICK (CONC. DRIVEWAYS)	SY	807		
35	DETECTABLE WARRINGS	SF	426		
36	RIP RAP	TN	30		
37	GUARDRAIL	LF	282		
38	EXISTING FENCE TO BE REMOVED AND INSTALL NEW CLF	LF	886		
39	DEWATERING	LS	1		
40	PERFORMANCE TURF (BAHIA SOD)	SY	8,000		
41	1" 316 SS SINGLE SERVICE WITH 10 LF SERVICE PIPE	EA	8		
42	1-1/2" - 316 SS DOUBLE SERVICE WITH 10 LF SERVICE PIPE	EA	2		
43	RELOCATE EXISTING 12" GATE VALVE	EA	1		
44	ADJUST VALVE BOX & COVER TO NEW GRADE	EA	4		
45	SINGLE POST SIGN, F&E, LESS THAN 12 SF	AS	14		
46	SINGLE POST SIGN, RELOCATE	AS	7		
47	RETRO-REFLECTIVE PAVEMENT MARKERS, VV	EA	89		
48	THERMOPLASTIC, STANDARD, WHITE SOLID 6"	EA	1		
49	THERMOPLASTIC, STANDARD, WHITE SOLID 12"	LF	488		
50	THERMOPLASTIC, STANDARD, WHITE SOLID 24"	EA	1		
51	THERMOPLASTIC, STANDARD, WHITE SOLID 24"	LF	88		
52	THERMOPLASTIC, STANDARD, YELLOW SOLID 6"	EA	412		
53	THERMOPLASTIC, STANDARD, YELLOW SOLID, SKIP 8710-30 SK	GM	0.30		

project. In addition to sampling, the pile will be visually inspected for deleterious materials, substantial segregation, or any other undesirable characteristics. The pile shall have a traceable identification by pile number or lot number and an accurate quality assessment.

6) Import and placement of base product:

- A) During import of base product, a county inspector or duly designated representative of the county will be onsite monitoring incoming loads, making visual assessments of the product and checking load tickets for verification of materials.

7) Import and placement of base product:

- A) After spreading out, prior to compacting, samples of the base product will be obtained by Manatee County approved testing lab, every 500 LF staggering right, left, center of the roadway for Limerock Bearing Ratio, gradation and deleterious material testing.

8) Rejection of materials:

- A) Material not meeting above requirements will subject to rejection and be removed from the project site. Any three (3) concurrent rejections will require immediate shut down of imported material and require review and remedies prior to restart.

9) Compaction of material:

- A) In place material shall achieve 98% of AASHTO T-180 compaction.

CLARIFICATION OF SPECIFIC LINE ITEMS (Addendum #2, Line Item #37)

Clarification of the County's expectations of work to be performed as it relates to specific line items and/or item No. listed on the Bid Form is included in the FDOT Basis of Estimate Manual version 2015. Where such item number is not available, the description shows herein will prevail.

Note: Contractor shall be aware that all procedures and cost mention in Pay items # 1, 2, 6, 7, 8 and 9 shall include utilities relocation.

Line item # 1, Mobilization, Contractor shall include all costs associated with maintaining and using two separate piles of dirt at a designated location approved by County. One pile shall clearly be labeled as "Fill Removed/to be hauled" to County Landfill for use as cover. The other pile shall

be designated as "Clean Imported Fill" for use on County's Tallevast Road Sidewalk project. Contractor shall maintain and keep secure both piles and use appropriately for project duration. Contractor shall include all costs associated with minimizing dust from construction activities and providing dust control measures using water sources as needed and maintaining dust control throughout duration of the project. Contractor shall be aware that all work performed by utilities in the ROW shall follow this process and cost for their use and disposal of the clean material shall be included in this pay item.

Line item # 5, Clearing & Grubbing shall follow FDOT Specifications 2015, and shall also include the removal and disposal of existing underdrains, trees and bushes, concrete structures, ripraps. All soils to be excavated shall be taken and disposed to the landfill at Lena Road. All soil that is removed must be handled under line item 7.

Line item # 7, Soil Disposal, This pay item shall pay for the transportation and labor of the material to be taken to the landfill at Lena Road.

Line items # 6 and # 9, Regular Excavation and Subsoil Excavation for roadway and utilities relocation, all soils to be excavated shall be taken and disposed to the landfill at Lena Road. All Cost for the transportation of the material to the landfill at Lena road shall be included in pay item 7.

Line item # 8, Embankment, Only clean and imported fill material to be used. See pay item # 1.

Line items # 16, Endwall Class I, steel shall be included in the unit cost. Please follow Manatee County Standard 2015, 205.1.

Line items # 17, Gravity Wall, steel shall be included in the unit cost.

Line Item # 18, Drop Inlet, shall follow Manatee County Standards 202.1, 202.3, 202.4, 203.2.

Line Item # 21, Inlets, Curbs, with windows, shall follow Manatee County Standards 202.1, 202.2, 202.3, 202.4, 203.2.

Line Item # 23, Modify type C Inlet with trench drain, steel shall be included in the unit cost. Contractor shall submit drainage structure detail showing the rebar during shop drawing review.

Line Items # 24, # 25 and # 26, All pipes lengths shown on plan view and quantity sheet are measured to the end of MES. Refer to Manatee County Standards 2015, 102.1 MES detail to subtract F value from the pipe length. Contractor shall be paid for pipes installed in place.

Line Item # 31, Type Miami Curb & Gutter, shall follow Manatee County's Highway, Traffic & Stormwater Standards 2015. The payment of new curbs shall include the removal of existing curb & gutter.

Line Item # 32, Valley Crossing, shall follow Manatee County's Highway, Traffic & Stormwater Standards 2015.

Line Item # 33, 4" concrete sidewalk (Incl. detectable warning truncated dome), shall follow Manatee County's Highway, Traffic & Stormwater Standards dated 2015. The payment shall include ramp. The payment of new sidewalk, shall include the removal of existing sidewalk.

Line Item # 34, 6" concrete sidewalk, reinforced driveway (Incl. 6" x 6" #10 wire woven mesh), shall follow Manatee County's Highway, Traffic & Stormwater Standards dated 2015. The payment shall include reinforcement, ramp. The payment of new driveways shall include the removal of existing concrete driveways.

Line items # 36, Rip Rap, Please follow FDOT Design Standards 2015, Index 282 sheet 2 of 3.

Line items # 37 (Addendum #2), Guardrail, the payment shall include the guardrail, anchorage assemblies, end treatments, impact heads and Type II radial returns. The guardrail shall be constructed per FDOT Index 400 parallel option. Contractor shall provide shop drawings **signed and sealed by a Registered Florida Professional Engineer** showing the steel posts attached to the gravity wall. As depicted on the cross section.

Line Item # 38, Existing Fence to be removed and Install New CLF, (Including Hog Wire, chain Link Fence and Gates), shall follow FDOT Standard Specifications Road and Bridge Construction 2015, Section 550. The contractor shall coordinate with the property owner for the new location of the fence outside of ROW.

Line item # 39, Dewatering, Contractor shall notify County prior to any dewatering activities and must not perform any dewatering unless County approval is obtained. Ground water contaminants are suspect at nearby site. The type and extent of contaminants are currently unknown. This pay item is applicable in case that contaminated water exists and special discharge is required. The application of Manatee County Industrial Pretreatment Program for Construction Dewatering Authorization to Discharge requires initial testing to determine the contaminants and weekly monitoring testing. The testing will include PH, Total Suspended Solids, Petroleum Hydrocarbons following FDEP FL-PRO method. A NELAC certified laboratory must be utilized to perform analysis in the state of Florida. Additional details and requirement can be found from the Manatee County Web Site, through this link

<http://www.myanatee.org/home/government/departments/utilities/industrial-compliance/dewatering.html>. Effluent entering sanitary sewer system shall be metered by the contractor. Dewatering discharge bill will be paid directly by the county and will not be billed to the contractor. If no contaminated water is detected, the cost of regular dewatering shall be paid under pond excavation. Dewatering to be disposed of in sanitary sewer system or treated using frac tank if needed.

CONTRACT CONTINGENCY

The discretionary work (Contingency) pay item shall cover the cost for various contingencies and contract amendments authorized by the Owner. Any amount of extra work and/or alterations to the proposed work charged to the allowance shall be fully documented and authorized by the Project Manager before the start of the work. No payment shall be made for work completed without written authorization from the Owner or Engineer.