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## Solicitation Addendum

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Addendum No.: 2  
Solicitation No.: 24-TA005135JH  
Project No.: 6071262  
Solicitation Title: Moccasin Wallow Road Segment 2 from 115<sup>th</sup> Street East to West of Sawgrass Road  
Addendum Date: June 10, 2024  
Procurement Contact: Jeb Hayter, Procurement Agent III

**IFBC No. 24-TA005135JH is amended as set forth herein. Responses to questions posed by prospective bidders are provided below. This Addendum is hereby incorporated in and made a part of IFBC No. 24-TA005135JH.**

**The deadline to submit all inquiries concerning interpretation, clarification or additional information pertaining to this IFBC was April 25, 2024.**

### **ADD:**

#### **SECTION C, BID ATTACHMENTS, BID ATTACHMENT 14, SWFWMD PERMIT-SEG2**

Add Bid Attachment 14, SWFWMD Permit-Seg 2 issued with this Addendum 1 and available for download as a separate attachment.

### **ADD:**

#### **SECTION C, BID ATTACHMENTS, BID ATTACHMENT 15, EARTHWORK ANALYSIS**

Add Bid Attachment 15, Earthwork Analysis issued with and attached to this Addendum 1, hereby incorporated into this IFBC.

### **ADD:**

#### **SECTION C, BID ATTACHMENTS, BID ATTACHMENT 16, CUT FILL REPORT**

Add Bid Attachment 16, Earthwork Cut Fill Report issued with and attached to this Addendum 1, hereby incorporated into this IFBC.

**ADD:**

**SECTION C, BID ATTACHMENTS, BID ATTACHMENT 17, 2024-05-09\_MWR\_SEG-3\_PROPOSED\_BASE.DWG**

Add Bid Attachment 18, 2024-05-09\_MWR\_SEG-3\_Proposed\_Base.dwg issued with this Addendum 1 and available for download as a separate attachment.

**ADD:**

**SECTION C, BID ATTACHMENTS, BID ATTACHMENT 18, 2024-05-09\_MWR\_SEG-3\_EXISTING\_BASE.DWG**

Add Bid Attachment 17, 2024-05-09\_MWR\_SEG-3\_Existing\_Base.dwg issued with this Addendum 1 and available for download as a separate attachment.

**REPLACE:**

**SECTION B, BID FORMS, APPENDIX L, BID PRICING FORM (REVISED)**

Replace Appendix L Bid Pricing Form, with Appendix L Bid Pricing Form (Revised) issued with and attached to Addendum 1, hereby incorporated into this IFBC.

**REPLACE:**

**SECTION C, BID ATTACHMENTS, BID ATTACHMENT 3, SPECIAL PROVISIONS**

Replace Bid Attachment 3, Special Provisions with Bid Attachment 3, Special Provisions (Revised) and available for download as a separate attachment.

**REPLACE:**

**SECTION C, BID ATTACHMENTS, BID ATTACHMENT 4, PLANS-ROADWAY-SEG 2**

Replace Bid Attachment 4, Plans-Roadway-Seg-2 with Bid Attachment 4, Plans-Roadway-Seg 2 (Revised) and available for download as a separate attachment.

**QUESTIONS AND RESPONSES:**

**Q1. Item 633-3-13 does not show a measure, please provide.**

R1. The bid form has been updated to show a measure.

**Q2. Item 1055-51110 is duplicated with different item descriptions, please clarify.**

- R2. The bid form has been updated to show 1055-51110a and 1055-51110b for a 10” 11.25-degree bend and a 10” 45-degree bend.
- Q3. Could you provide an updated budget?**
- R3. The engineers estimated opinion of cost is \$34,922,787
- Q4. Has a CEI group been selected for this project? If yes, please provide a name.**
- R4. Manatee County will be handling the inspections.
- Q5. Are KMZ files available for this project?**
- R5. No, a CAD file has been provided for the project.
- Q6. The plans show a mitigation area to be constructed. Will the plantings shown on sheet 11 of the mitigation area be completed by the roadway contractor? If so, please add the appropriate pay items for this work.**
- R6. The mitigation work will be handled under a separate contract.
- Q7. Please provide pay items for the permanent striping and signs. These appear to be missing.**
- R7. The permanent striping and signage are under the roadway and drainage section under a lump sum pay items.
- Q8. Sheet 109 of the TCP depicts temporary pavement continuing west off the provided pages. Please clarify the extent of how far this pavement extends to the west.**
- R8. Sheet 109 has been revised to show the extents of temporary pavement.
- Q9. The same issue exists as question 8 on sheet 114. Please clarify?**
- R9. Sheet 114 has been revised to show the extents of temporary pavement.
- Q10. Please provide cross sections that correct depict the existing pavement instead of the proposed. There appears to be a grade differential between existing and proposed roadway. There is no way to calculate asphalt wedges/overbuild required to maintain cross traffic during phased construction.**
- R10. The temporary traffic control cross sections phase 1 have been updated to show the existing asphalt. See sheets 119-122
- Q11. Note 14, Sheet 16 General notes states no valves shall fall in handicap ramps or curbing. Does this also include the shared use path? There are several valves shown to be constructed there.**
- R11. This does not include the shared use path.
- Q12. Please confirm builder’s risk is not required for this project.**
- R12. Builders risk is required.
- Q13. Please provide the tree locations impacting the sidewalk construction that requires reinforcement so the rebar required can be calculated.**

- R13. Not applicable.
- Q14. The plans don't seem to show signs for street names. Please clarify?**  
R14. The plans have been revised to show signs for street names.
- Q15. Please provide the spacing for the wetland signs.**  
R15. There is no minimum spacing in the Manatee County code. Use 200' min. for spacing.
- Q16. Please provide pay items for the mitigation work.**  
R16. Refer to R6.
- Q17. Please adjust the earthwork and erosion quantities for the mitigation work.**  
R17. Refer to R6.
- Q18. Please provide any specifications for the mitigation work.**  
R18. Refer to R6.
- Q19. There doesn't appear to be any subsoil excavation identified in cross sections. Please provide the station limits for this work with amended cross sections.**  
R19. The unsuitable soil has been added to sheet 28 and cross section sheet 59 and updated in the quantities.
- Q20. Please provide the existing core data to determine the depths of existing asphalt to be removed.**  
R20. All existing asphalt shall be removed per the demolition plan.
- Q21. Please confirm the pond (195+00) shown on Plate 1 of the soils report is not a part of this project.**  
R21. Yes Lake 2-1 is included in this project. Sheet 28 of the paving grading and drainage plan has been revised to show the pond and the contours. The lake typical section is on sheet 97.
- Q22. Please provide the permits for the project.**  
R22. The SWFWMD permit is attached. The FDEP Noi for wastewater and water are pending. The army corp permit is pending. The contractor is responsible for the NPDES permit.
- Q23. Is the existing line at this connection point on sheet 37 already restrained for the bend at this location?**  
R23. It is likely not restrained.
- Q24. Please provide the location of the closest isolation valves to calculate the water to be handled in the connection of the existing 30" line?**  
R24. Both the valves for watermain and reclaim main are at the Baywinds Parkway intersection.
- Q25. Sheet 37 calls out at 98+50 calls for the storm to be constructed under the water**

- main, but the profile shows 4- 45-degree bends on the 30” WM going under the water main. Please clarify and adjust the quantities for bends.**
- R25. The call out has been revised for the watermain to be going under the storm pipe. These bends were included in the quantities.
- Q26. There are 19 valves called for on the plans with restrained joints 391 LF either side totaling about 7,429 LF of restrained pipe for about 372 mechanical restraints. Plan quantity is 47. Please clarify.**
- R26. The restraint quantities have been updated.
- Q27. The 30X30X12X8 Cross is not a standard fitting requiring a very long lead time. Will the Owner accept 2-30X12 Tees with a 12X8 reducer to facilitate these connections?**
- R27. The plans and the quantities have been revised to show a 30x30x12x12 cross with a 12x8 reducer.
- Q28. Please confirm there are no “Buy America” requirements for utility materials.**
- R28. No Manatee County does not have any “Buy America” requirements, but the material must conform with Manatee County APL standards.
- Q29. Please confirm there are no other water service connections beside those shown on the plans.**
- R29. The water connections are all shown on the plans.
- Q30. If there are water service connections, please provide the count for the calculation of building permit fees.**
- R30. Refer to R29.
- Q31. Is the existing line at this connection point on sheet 37 already restrained for the bend at this location?**
- R31. It is likely not restrained.
- Q32. Please provide the location of the closest isolation valves to calculate the water to be handled in the connection of the existing 20” line?**
- R32. Refer to R24.
- Q33. On Sheet 39 Station 108+80 calls for a 20X10 Cross. The run to the north is labeled 20” here but 10” on Sheet 55. Shouldn’t this be a 20X10 Reducer after toe 20” Gate Valve with a 10” Cross?**
- R33. The plans and quantities have been updated in this location to show a 20”x10”x10”x10” cross with a 10” pvc reclaim main to the north.
- Q34. Please confirm this location should be 1 – 20” GV with 3-10” Gate Valves as well.**
- R34. This location should be (1)- 20” and (3)-10” Gate Valves. The plans have been revised, the gate valve quantities were correct.

- Q35. Please confirm gate valves vs plugs valves for the force main.**  
R35. The force main shows a 10” gate valve under the sidewalk and a 10” plug where future connection will tie into the stub out at station 108+80.
- Q36. Is Builders Risk insurance required for this project?**  
R36. Refer to R12.
- Q37. Our policy includes \$5 million installation floater coverage that has been accepted in the past in place of the Builders Risk. Will the installation floater be accepted in place of the Builder’s Risk policy?**  
R37. No.
- Q38. Can Bid Attachments 10, 11, 12 be provided in a pdf format?**  
R38. No, the CAD files correspond to the information shown on the roadway plans.
- Q39. Please provide cross sections for the grade transition off the project past station 178+00.**  
R39. The tie in grades are shown on the plan and profile sheet 53.
- Q40. Please provide harmonization cross sections for the construction limits at Sawgrass Storage, Western woods Rd., and Future Rd.**  
R40. The tie in grades are shown on the plan and profile sheets.
- Q41. Demo Sheet 6 call for a RCM BFP to be relocated at 107+70 L. The relocation is not shown to be performed on the utility plans. Please clarify/add bid items.**  
R41. The plans and quantities have been revised to show the relocation of the reclaim BFP.
- Q42. Sheet 6 of the demolition plans shows a storm run into the existing pond of Summerwoods at station 126+50. Can this run within the pond be grouted in place to avoid disruption of the subdivision pond?**  
R42. No, the pipe must be removed. A new pipe connection is proposed to the existing manhole.
- Q43. Demo Sheet 5 calls for FH to be relocated at station 100+00 Right, but no location is shown. Should this be salvaged? Please clarify.**  
R43. Yes, the quantities and plans have been revised to show this fire hydrant to be relocated.
- Q44. Demo Sheet 6 shows an existing RCM BFP at station 107+70 L. The existing pipe running to it is shown to be relocated/removed. However, the RCM proposed plans makes no provisions to connect this line to the new RCM. Please clarify & add appropriated bid item adjustments.**  
R44. The plans and quantities have been revised to show the relocation of the reclaim BFP.
- Q45. Please add pay items for the WM demo for sizes 2”-6” and 8”**  
R45. The quantities have been adjusted to include removal for the existing watermain stub-outs.

- Q46. Please add pay items for the removal of the 12” & 16” Casings.**  
R46. The quantities have been adjusted to include removal for the existing watermain casings.
- Q47. Please add pay items for the removal of the 4” & 10”RM.**  
R47. The quantities have been adjusted to include removal for the existing reclaim main.
- Q48. Please add pay item for the removal of the 20” RM.**  
R48. The quantities have been adjusted to include removal for the existing 20” reclaim main.
- Q49. Please add pay item for the removal of the 10” FM.**  
R49. The quantities have been adjusted to include removal for the existing 10” force main.
- Q50. Please add pay items for sleeves and caps for the connection to existing facilities or truncation of existing facilities.**  
R50. For new pipe, payment includes anchors & incidentals, as well as connections to existing systems.
- Q51. Is Lake 2-1 shown on Sheet 18 part of this project? If so, please provide complete plans sheets and cross sections for this work. Cross section at station 106 does not depict this work.**  
R51. Yes Lake 2-1 is included in this project. Sheet 28 of the paving grading and drainage plan has been revised to show the pond and the contours. The lake typical section is on sheet 97.
- Q52. There is quite a bit of existing sidewalk to be removed during construction. Will the county require any temporary sidewalk to be constructed during construction?**  
R52. All connective existing pedestrian access must be maintained, or a detour must be provided.
- Q53. Please provide a summary of the cut/fill summary for the project. We have variations from the bid quantities provided.**  
R53. We have provided the surface comparison report between proposed and existing. Additionally, we have included an earthwork analysis that was done for this site.
- Q54. Please add a pay item for the rubble rip rap as shown on the end wall detail.**  
R54. This detail has been removed from the plans. Use the FDOT SPI 430-030 for the end-walls.
- Q55. Please confirm precast end walls are acceptable for this project.**  
R55. Use the FDOT SPI 430-030 for the end-walls.
- Q56. Will the contractor be allowed to pump down the existing ponds for the purpose of installing end walls and end wall treatments?**  
R56. Since these are shared use ponds, do not anticipate the ability to pump down the entire lake down.

- Q57. Please provide the third-party utility work schedules for scheduling purposes.**  
R57. Manatee County does not use work schedules. Coordination scheduling is the responsibility of the contractor. Please refer to Special Provisions #19.
- Q58. Please confirm there is no gas line or gas line relocations on the project.**  
R58. There are no gas lines within this project limits.
- Q59. Our take off shows 4 structures requiring modification: 34-10, 34-17, 3-15, & 3-7. Should the pay item for modify existing structure be a four count? Please clarify.**  
R59. The modify existing drainage structure quantity has been revised to be 5. In addition to 34-10, 34-17, 3-15 & 3-7; CS -05 will also need to be modified coming from the existing lake 5 per the control structure table on sheet 100.
- Q60. Did the contractor for Segment 3 precast a block out in structure 3-7 for the 36" pipe to be installed in Segment 2? (This would reduce the mods back to 3 Ea.)**  
R60. No, the contractor did not. This structure will need to be cored and has been added to the modify existing drainage structure line item.
- Q61. Sheet 100 depicts the control structure details with a skimmer, but the table states skimmers are not required. Please clarify.**  
R61. No skimmers are required when the control structure is not located in the lake.
- Q62. Please confirm the pavement construction shown on Sheet 17 from Station 86+65 thru 96+58 are to be constructed with Segment 2. It appears this 4,965 SY are not included in plan quantity.**  
R62. The transition zone back to existing from Sta. 86+65 to 96+58 is included in this project. The structural course will only be required for this section. The quantity for subgrade base, and first lift have been updated for this transition including the 8' paved shoulder.
- Q63. The shared use path plan quantity appears to be in tons not Syds as shown on the bid tab. Please clarify.**  
R63. The optional base for the shared use path has been updated on the bid form.
- Q64. On Traffic Control Plan sheets 109-113, the roadway stationing is not shown. Sheet 109 appears to show the temporary pavement extending past the project limits. Please provide stationing on the Traffic Control plans and limits of the temporary pavement.**  
R64. The TTCP plan has been updated to show the limits of the temporary pavement and have the stationing turned on.
- Q65. Please confirm that Pay Item Special 5 Traffic Control Striping includes:**  
**a. all temporary striping and RPM's (including removals) during construction,**  
**b. all final temp roadway striping, RPM's and Thermoplastic Striping as shown on the plans. If not, please define what is included in this pay item. The specifications related to this pay item currently refer to 6" underdrain.**  
R65. The special provisions have been revised to show the definition of this pay item.

- Q66. Please confirm that Pay Item Special 6 Traffic Control Signage includes:**  
a. all MOT signage/devices during construction  
b. all permanent signage as shown in the plans  
**If not, please define what is included in this pay item. The specifications related to this pay item currently refer to 6” underdrain cleanouts.**
- R66. The special provisions have been revised to show the definition of this pay item. The MOT signage shall be included in the 102-1-line item.
- Q67. We are unable to quantify 43 Acres of Clear & Grubbing. Does this quantity possibly include the temporary construction easements, pond areas, etc.? Please provide the basis for the plan quantity.**
- R67. The quantity includes temporary construction easements and Lake 2-1 area.
- Q68. We are unable to quantify 149,857 CY of Embankment. Does this quantity include any area beyond the provided cross sections? Please provide the basis for the plan quantity.**
- R68. The earthwork analysis done for the site is being provided with this addendum.
- Q69. The roadway plans do not show the location or provide cross sections for the of the proposed subsoil excavation. Thus, we cannot quantify or effectively estimate the work. Please provide this information.**
- R69. The plans have been revised to show the unsuitable soil removal.
- Q70. Is there a summary of quantities for the striping and signage items available to the contractors prior to the bid?**
- R70. No.
- Q71. Plan Sheet 82 details two Multi Post Guide Signs. We are unable to find where these two signs will be installed; Please provide these locations along with foundation details, including any necessary geotechnical information.**
- R71. The locations of the advanced street name signs are shown on the signage and striping plan at station 93+40, 121+70 and one on Sawgrass Rd. Sta 198+05. As noted on sheet 82 the FDOT SPI 700-020 should be used for the multi column ground sign.
- Q72. Plan Sheet 82 also shows two proposed R3-8 sign panels, 75”x30” and 80” x 30”. We are unable to find where these signs are to be installed. Please provide location and foundation details, including any necessary geotechnical information.**
- R72. The locations of the intersection lane control signs are shown on the signage and striping plan at Sta. 96+44, 118 +76, and on Sawgrass Rd. Sta 203+29. As noted on sheet 82 the FDOT SPI 700-020 should be used for the multi column ground sign.
- Q73. Plan Sheet 82 shows Sign Blank Details for Moccasin Wallow and Intersecting Streets within the limits of construction. Please provide location, details, and quantities as these are not shown in the plans.**
- R73. The signage and striping plan have been updated to show the location of the intersecting street signs on stop signs.

- Q74. Pay Item 700-3-201 indicates 10 EA <12 SF ground mount signs to install; However, Sheet T-8 appears to show these sign panels as overhead mount on the mast arms. Please confirm which is correct and provide proper pay item if needed.**
- R74. The pay item and plans are both referring to overhead mount. 700-3-201 refers to overhead mount.
- Q75. There is an off site mitigation area shown in the plans (MWR 2&3). Is this work included in this contract? If so, which pay item(s) cover this work? Are there any associated specifications regarding this work, denoting any maintenance/monitoring periods for plantings, soil reports, etc.**
- R75. Refer to R6.
- Q76. Lake 2-1 has limited information in the plans, shown only on sheets 28, 97 (Typical Section) and 113 (MOT). Is there any more information available regarding the construction of this item?**
- R76. Sheet 28 of the paving grading and drainage plan has been revised to show the pond and the contours.
- Q77. Is there a utility relocation schedule for this project available?**
- R77. Manatee County does not use work schedules. Coordination scheduling is the responsibility of the contractor. Please refer to Special Provisions #19.
- Q78. The general site notes state we need 9 copies of record drawings. Is this the total needed or does Traffic Operations need an additional 6 sets of record drawings as shown in Signal plan notes? Is there a total of 9 sets or 15 sets required for this project?**
- R78. The signal plans for Sawgrass Rd. intersection will need separate record drawings from the roadway utility and drainage record drawings.
- Q79. It appears some improvements have been made to the roadway since these roadway plans were drawn. Please update the demolition plans to show current conditions.**
- R79. This quantity will be updated for the awarded contractor in the future. We are waiting on information to determine the existing asphalt that was constructed for the turn lane improvements that were made.
- Q80. Is it possible to provide the existing and proposed grades in PDF format? We cannot access this file in DWG format.**
- R80. No. The CAD files correspond to the information shown on the roadway plans.
- Q81. Will the County make any property available for a laydown, storage and staging area?**
- R81. No, the county does not have any facilities available for use in staging and storage outside of the project right of way.
- Q82. Will an Asphalt Price Index be utilized on this project to account for adjustments in asphalt liquid pricing?**

R82. No.

**Q83. The following questions/comments relate to the temporary signal noted on the signal plans (Sheets T-4 & T-7):**

- a. The notes state that the contractor is to have a fully operational temporary signal built and operational within 90 days of starting the project. This time frame is overly aggressive as it will take longer than that for the engineering, review, approval of design, procurement of materials, and construction. If the county would provide the temporary signal design, with poles and loading, it would expedite the process. If the county will not provide the design, we estimate this process will take a minimum of 210 days.
- b. If the county will not provide a temporary signal design, we hereby request a design requirements list be provided.
- c. It is currently taking 12 months or more to get a controller cabinet. Is the county able to provide one from their inventory to be used for the temporary signal?
- d. Please confirm no communication is required for temporary signal.

- R83. a. Manatee County will leave it to the contractor to design a signal design that will work with the MOT phasings. While anticipating some material acquisition time being provided to this contract, the 90-day time frame from the NTP will remain.
- b. Design criteria is for a safe and functioning system with vehicle detection. Microwave detection is preferred.
- c. Manatee County will be able to provide a controller & cabinet to the Contractor for this intersection, until the permanent signal components are operational.
- d. Communication will not be necessary for the temporary signals.

**Q84. Will the bid opening date be extended to allow for through review of the addendum?**

R84. The bid opening has been changed to June 7, 2024, at 11:00 AM ET.

**Q85. In reference to page 22, minimum qualifications, Bidder must be a Florida Department of Transportation (FDOT) prequalified contractor in the following classes: (7) Drainage, (10) Flexible Paving, (11) Grading, (16) Intelligent Transportation Systems, (28) pavement Marking, (39) Traffic Signal, and (40) Sidewalk, Underground Utilities (Water & Sewer), (38) Roadway Signing. Given that ITS, Pavement Marking, Traffic Signals, and Roadway Signing are specialty scopes of work, does Manatee County expect the primary bidder to be prequalified in all these scopes? Or is it sufficient for the prime bidder's designated subcontractors to be FDOT prequalified for these scopes of work?**

R85. Subcontractors can be utilized to fulfill the requirements for the ITS, Pavement Marking, Traffic Signals, and Roadway Signing scopes of work.

**NOTE:**

Deleted items will be ~~struck through~~, added or modified items will be underlined. All other terms and conditions remain as stated in the IFBC.

**INSTRUCTIONS:**

Receipt of this Addendum must be acknowledged as instructed in the solicitation document.

Failure to acknowledge receipt of this Addendum may result in the response being deemed non-responsive.

**END OF ADDENDUM**

AUTHORIZED FOR RELEASE

Bid Attachment 15

**CUT AND FILL BALANCING WORKSHEET**

**PROJECT: Moccasin Wallow Road Build Out - Segment 2**

DESCRIPTION	UNIT	COMPACTED (12)		INSITU (15)		TRUCKED (20)	
		CUT QUANTITY	FILL QUANTITY	CUT QUANTITY	FILL QUANTITY	CUT QUANTITY	FILL QUANTITY
Project Fill needed	CY	-	132,361.0	-	165,451.3	-	220,601.7
Project Cut needed	CY	1,669.6	-	2,087.0	-	2,782.7	-
Lake Excavation 2-1 (Non-Development Lakes)	CY	16,107.5	-	20,134.4	-	26,845.9	-
Import Fill (Needed to Balance Site)	CY	95,137.3	-	118,921.7	-	158,562.2	-
Stripping Loss (2")	CY	-	11,562.2	-	14,452.8	-	19,270.4
De-muck wetland	CY	-	222.4	-	278.0	-	370.7
Existing Asphalt to be removed	CY	-	1,483.6	-	1,854.4	-	2,472.6
Existing Base to be removed	CY	-	4,450.7	-	5,563.3	-	7,417.8
Asphalt (Roadway)	CY	9,188.1	-	11,485.2	-	15,313.5	-
Base (Roadway)	CY	20,418.1	-	25,522.6	-	34,030.1	-
Subgrade (2") (Roadway)	CY	4,803.8	-	6,004.7	-	8,006.3	-
Asphalt (Shared Use Path)	CY	371.3	-	464.2	-	618.9	-
Base (Shared Use Path)	CY	990.2	-	1,237.8	-	1,650.4	-
Subgrade (2") (Shared Use Path)	CY	721.0	-	901.3	-	1,201.7	-
Sidewalk (4")	CY	672.9	-	841.1	-	1,121.5	-
<b>Estimasted Phase Balance</b>	<b>CY</b>	<b>150,079.8</b>	<b>150,079.8</b>	<b>187,599.8</b>	<b>187,599.8</b>	<b>250,133.1</b>	<b>250,133.1</b>
	<b>CY</b>	<b>(0.0)</b>		<b>(0.0)</b>		<b>(0.0)</b>	

# Cut/Fill Report

**Generated:** 2023-11-20 09:19:36

**By user:** mconerly

**Drawing:** V:\2156\active\215617221\civil\drawing\01c\_const\model\_files\c3d-215617221-01c\surfaces\V:\2156\active\215617221\civil\drawing\01c\_const\model\_files\c3d-215617221-01c\surfaces\215617221-01c-FG01.dwg

Volume Summary							
Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
VOL - EXISTING TO SEG2	full	1.000	1.000	1445918.07	2087.24	132361.32	130274.08<Fill>

Totals				
	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total	1445918.07	2087.24	132361.32	130274.08<Fill>

\* Value adjusted by cut or fill factor other than 1.0

APPENDIX L, BID PRICING FORM (REVISED)

IFBC NO. 24-TA005135H MOCCASIN WALLOW ROAD SEGMENT 2 FROM 115TH STREET EAST TO WEST OF SAWGRASS ROAD  
 Bidders must provide prices for each available line item on each tab for their bid to be considered responsive

\*To be considered responsive, it is the sole responsibility of the bidder to correctly calculate and manually enter all sub-total, contingency, and total bid price fields\*

Pay Item No.	Item	Estimated Quantity	Unit	BID A 450 CALENDAR DAYS		BID B 540 CALENDAR DAYS	
				Unit Price	Extended Price	Unit Price	Extended Price
<b>GENERAL, EARTHWORK, ROADWAY &amp; DRAINAGE COMPONENT</b>							
101-1	MOBILIZATION		1	LS			
102-1	MAINTENANCE OF TRAFFIC		1	LS			
102-2-200	SPECIAL DETOUR-TEMPORARY PAVEMENT	3,040		SY			
104-10-3	SEDIMENT BARRIER	24,520		LF			
104-11	FLOATING TURBIDITY BARRIER	509		LF			
104-18	INLET PROTECTION SYSTEM	34		EA			
110-1-1	CLEARING & GRUBBING	43		AC			
120-1	REGULAR EXCAVATION	<del>1,4865</del> 22,638		CY			Updated
120-4	SUBSOIL EXCAVATION	<del>5,760</del> 278		CY			Updated
120-6	EMBANKMENT	<del>449,887</del> 150,080		CY			Updated
160-4a	TYPE B STABILIZATION	<del>86,466</del> 93,182		SY			Updated
160-4b	TYPE B STABILIZATION FOR SHARED USE PATH	12,978		SY			
285-701	OPTIONAL BASE, BASE GROUP 01 FOR SHARED USE PATH	2,012 8,912		SY			Updated
285-709	OPTIONAL BASE, BASE GROUP 09	23,505 80,219		SY			Updated
327-70-6	MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH	734		SY			
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B FOR SHARED USE PATH	238 236		TN			Updated
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	12,128 13,236		TN			Updated
337-7-83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	6,484		TN			
425-1-351	INLETS, CURB, TYPE P-5, <10'	1		EA			
425-1-361	INLETS, CURB, TYPE P-6, <10'	26		EA			
425-1-362	INLETS, CURB, TYPE P-6, >10'	1		EA			
425-1-461	INLETS, CURB, TYPE J-6, <10'	2		EA			
425-1-583	INLETS, DT BOT, TYPE H, J BOTTOM <10' (2 GRATE) MODIFIED	1		EA			
425-1-583a	INLETS, DT BOT, TYPE H, J BOTTOM <10' (4 GRATE) MODIFIED	2		EA			
425-1-584	INLETS, DT BOT, TYPE H, J BOTTOM >10' (2 GRATE) MODIFIED	1		EA			
425-1-584a	INLETS, DT BOT, TYPE H, J BOTTOM >10' (4 GRATE) MODIFIED	1		EA			
425-2-61	MANHOLES, P-8, <10'	4		EA			
425-2-91	MANHOLES, J-8, <10'	1		EA			
425-2-92	MANHOLES, J-8, >10'	4		EA			
425-10	YARD DRAIN	10		EA			
425-11	MODIFY EXISTING DRAINAGE STRUCTURE - PARTIAL	2 2		EA			Updated
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	1,936		LF			
430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"S/CD	2,179		LF			
430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	999		LF			
430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	330		LF			
430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	568		LF			
430-175-148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	47		LF			
430-175-160	PIPE CULVERT, OPT MATERIAL, ROUND, 60"S/CD	160		LF			
430-175-172	PIPE CULVERT, OPT MATERIAL, ROUND, 72"S/CD	460		LF			
430-175-230	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 30"S/CD	54		LF			
430-175-254	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 54"S/CD	108		LF			
430-524-100	STRAIGHT CONCRETE ENDWALLS, 24", SINGLE, 0 DEGREES, ROUND	3		EA			
430-530-100	STRAIGHT CONCRETE ENDWALLS, 30", SINGLE, 0 DEGREES, ROUND	1		EA			
430-536-100	STRAIGHT CONCRETE ENDWALLS, 36", SINGLE, 0 DEGREES, ROUND	1		EA			
430-542-100	STRAIGHT CONCRETE ENDWALLS, 42", SINGLE, 0 DEGREES, ROUND	1		EA			
430-548-100	STRAIGHT CONCRETE ENDWALLS, 48", SINGLE, 0 DEGREES, ROUND	1		EA			
430-560-100	STRAIGHT CONCRETE ENDWALLS, 60", SINGLE, 0 DEGREES, ROUND	1		EA			
430-964-6	PVC PIPE, 8 INCH	834		LF			
520-1-10	CONCRETE CURB & GUTTER, TYPE F	16,927		LF			
520-1-7	CONCRETE CURB & GUTTER, TYPE E	346		LF			
520-5-11	TRAFFIC SEPARATOR CONCRETE-TYPE L, 4' WIDE	304		LF			
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	6,056		SY			
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	149		SY			
527-2	DETECTABLE WARNINGS	577		SF			
570-1-2	PERFORMANCE TURF, SOD	62,747		SY			
SPECIAL-1	RECORD DRAWINGS PER MANATEE COUNTY STANDARDS (DRAINAGE)	1		LS			
SPECIAL-2	EXISTING DITCH REGRADE (30' WIDE)	1,791		LF			
SPECIAL-3	4" CONCRETE, TERRACOTTA & IMPRINTED WITH BRICK	1,280		SY			
SPECIAL-4	TRAFFIC SEPARATOR CONCRETE-TYPE I, 3' WIDE	235		LF			
SPECIAL-5	TRAFFIC CONTROL STRIPING AND PAVEMENT MARKINGS (INCLUDES TEMPORARY PAINT MARKINGS)	1		LS			
SPECIAL-6	TRAFFIC CONTROL SIGNAGE	1		LS			
SPECIAL-7	6" UNDERDRAIN	1,883		LF			
SPECIAL-8	UNDERDRAIN CLEANOUT	37		EA			
MC-201.3	CONCRETE CURB & GUTTER, TYPE "AB" MODIFIED	4,036		LF			
<b>GENERAL, EARTHWORK, ROADWAY &amp; DRAINAGE COMPONENT SUB-TOTAL</b>							

Added Line

Updated

SIGNALIZATION COMPONENT			
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	11,137	LF
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	1,828	LF
632-7-1	SIGNAL CABLE - NEW OR RECONSTRUCTED INTERSECTION, F&I	1	PI
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	377	LF
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBERS	9,764	LF
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	52	EA
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	1	EA
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	2	EA
633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	2	EA
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	1	EA
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	4,906	LF
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	35	EA
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	1	EA
635-2-14	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	6	EA
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	1	AS
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	8	LF
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	1	EA
639-4-6	EMERGENCY GENERATOR - PORTABLE, INSTALL HOUSING ONLY	1	EA
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1	EA
641-2-13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	4	EA
646-1-11	ALUMINUM SIGNALS POLE, F&I, PEDESTAL	8	EA
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	1	EA
649-21-15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	1	EA
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 78'	4	EA
649-21-27	MAST ARM ASSEMBLY, FURNISH & INSTALL, DOUBLE ARM 78'-78'	1	EA
650-1-34	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 3 SECTION, 1 WAY	22	AS
650-1-39	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 5 SECTION CLUSTER, 1 WAY	4	AS
653-1-11	PEDESTRIAN SIGNAL, F&I, LED COUNTDOWN, 1 WAY	8	AS
660-3-11	VEHICLE DETECTION SYSTEM - WAVETRONIX SMARTSENSOR HD, F&I CABINET EQUIPMENT	6	EA
660-3-12	VEHICLE DETECTION SYSTEM - WAVETRONIX SMARTSENSOR HD, F&I, ABOVE GROUND EQUIPMENT	12	EA
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8	EA
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	1	AS
676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11"D	4	EA
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	1	EA
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	1	EA
685-1-12	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, ONLINE/DOUBLE CONVERSION	1	EA
685-2-1	REMOTE POWER MANAGEMENT UNIT-RPMU, FURNISH AND INSTALL	1	EA
700-3-201	SIGN PANEL, FURNISH & INSTALL, GROUND MOUNT, UP TO 12 SF	10	EA
700-5-22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	4	EA
715-5-32	LUMINAIRE & BRACKET ARM-GALV STEEL, FURNISH & INSTALL NEW LUMINAIRE, AND ARM ON NEW/EXISTING POLE	4	EA
<b>SIGNALIZATION COMPONENT SUB-TOTAL</b>			
LIGHTING COMPONENT			
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	16,036	LF
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	616	LF
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	132	EA
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	1	AS
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1	EA
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8 - 6	59,268	LF
715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 4 - 2	688	LF
715-61-352	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT, 15' ARM LENGTH	110	EA
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	1	EA
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	124	EA
715-511-313	LIGHT POLE COMPLETE - SPECIAL DESIGN, F&I, SINGLE ARM SHOULDER MOUNT, CONCRETE, 13'	14	EA
<b>LIGHTING COMPONENT SUB-TOTAL</b>			
POTABLE WATER COMPONENT			
101-1	MOBILIZATION	1	LS
1050-16003	UTILITY PIPE, REMOVE & DISPOSE, 5-7.9"	120	LF
1050-16004	UTILITY PIPE, REMOVE & DISPOSE 8-19.9"	288	LF
1050-16005	UTILITY PIPE, REMOVE & DISPOSE, 20-49.9" - 30"	8,280	LF
1050-31202	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 2"	6	LF
1050-31208	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 8"	45	LF
1050-51206	UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 6"	148	LF
1050-51208	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 8"	147	LF
1050-51212	UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 12"	147	LF
1050-51230	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 30"	8,297	LF
1055-51108	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 45 DEG ELBOW, 8"	6	EA
1055-51112	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 45 DEG ELBOW, 12"	2	EA
1055-51130	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 45 DEG ELBOW, 30"	28	EA
1055-51230a	UTILITY FITTINGS, DI F&I, TEE, 30" X 6"	1	EA
1055-51230b	UTILITY FITTINGS, DI F&I, TEE, 30" X 8"	4	EA
1055-51230c	UTILITY FITTINGS, DI F&I, TEE, 30" X 12"	1	EA
1055-51230d	UTILITY FITTINGS, DI F&I, TEE, 30" X 30"	1	EA
1055-51230e	UTILITY FITTINGS, DI F&I, CROSS, 30"X30"X12"X8"-12"	1	EA
1055-51308	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 8"x2"	1	EA
1055-51312	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 12"x8"	1	EA
1080-22112	UTILITY FIXTURE-BACKFLOW ASSEMBLY, RELOCATE	1	EA
1080-24106	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 6"	1	EA
1080-24108	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 8"	5	EA
1080-24112	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 12"	1	EA
1080-24130	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 30"	19	EA
1080-25102	UTILITY FIXTURE-BLOWOFF ASSEMBLY, FURNISH AND INSTALL, 2"	2	EA
1080-29102	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 2"	1	EA
1080-29106	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 6"	1	EA
1080-29108	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 8"	44 5	EA
1080-29112	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 12"	1 1	EA
1080-29130	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 30"	44 357	EA
1644-113-08	FIRE HYDRANT, F&I, STANDARD, 2 HOSE, 1 PUMPER, 6"	44 2	EA
1644-800	FIRE HYDRANT, RELOCATE	2	EA
SPECIAL-9	RECORD DRAWINGS PER MANATEE COUNTY STANDARDS (UTILITY)	1	LS
<b>POTABLE WATER COMPONENT SUB-TOTAL</b>			

Updated

Added Line

