

Change Order ConcurrenceNo. 02DATE OF ISSUANCE: 03/28/2022EFFECTIVE DATE: 03/28/2022

OWNER: Indian River County
 CONTRACTOR Halley Engineering Contractors, Inc.
 Project: 66TH AVENUE ROADWAY WIDENING (49TH STREET TO 69TH STREET)
 OWNER's Project No. IRC-1505 OWNER'S Bid No. 2021018
 FM No.: 436379-1-54-01 & 436379-1-54-02

You are directed to make the following changes in the Contract Documents:

Description:

Proceed with construction of 53rd Street Bridge over Lateral A Canal based on a redesigned set of plans provided by Indian River County, that widens the 53rd Street Bridge from three (3) proposed travel lanes to five (5) proposed travel lanes.

The following terms and conditions related to the approval of the Contractor's proposal have been agreed to by Indian River County (IRC) and Halley Engineering Contractors, Inc. (HEC):

- The payment structure for the bridge items listed in Exhibit "A" will be changed to Lump Sum (LS). The lump sum amount for the new pay item was mutually agreed upon. Payment for the new lump sum pay item will be in accordance with the schedule of values attached copy labeled Exhibit "B".
- No additional compensation will be provided if the Engineer determines that an overrun to an existing structure pay item not deleted by the Change Order is necessary solely as a result of HEC accepting to proceed with the work as one Lump Sum (LS) amount of \$1,867,717.85.
- No additional compensation will be provided if the Engineer determines that any incidental structures not discussed herein, but depicted in the new design are needed solely as a result of accepting to proceed with the work as one Lump Sum (LS) amount. This does not include additional costs for any possible utility conflicts encountered during the construction of the new bridge.
- HEC will be provided an opportunity to thoroughly review the revised bridge plans and design before they are finalized. After the revised bridge plans and design have been finalized, incorporating/addressing all HEC's comments, no additional compensation will be provided to HEC for any quantity discrepancies as a result of the revised bridge plans and design.
- IRC will accept all responsibility for the removal costs of any "man-made" objects that are encountered during installation of any piers that remain in the original planned locations, consistent to the original terms of the Contract.
- HEC will be responsible for any overrun of piling required as a result of the revised bridge plans and design, excluding unforeseen subsurface conditions. Any unforeseen subsurface conditions will be treated in accordance with the original Contract documents.
- HEC has not made any modifications to the Maintenance of Traffic and general stipulations included in the contract documents as originally bid as a result of the proposed changes. Any required modifications will be submitted for approval prior to implementation, and the cost shall be the

responsibility of HEC. HEC accepts that Maintenance of Traffic is not substantially changed by bridge design modifications.

- IRC to provide the required drawings, calculations, applications and fees for any environmental permits or modifications to existing environmental permits solely necessary for the design.
- IRC is committed to providing a 90% design and plans to HEC within 45 calendar days (45 days from the date the County issues a notice to proceed to Arcadis the Engineer-of-Record). HEC will have 21 calendar days to provide comments. IRC will provide 100% plans within 30 calendar days after receipt of comments from HEC. HEC will then have 21 days to provide final comments. IRC will provide the final design and plans within 15 calendar days after receipt of the final comments.
- HEC shall provide an acceptable schedule of values for the purposes of estimating monthly payments.
- HEC may elect to close 53rd Street to through traffic for a period not to exceed 180 calendar days (in lieu of 120 per the current Specifications) during construction of 53rd Street Bridge over Lateral A Canal.

As a result of the above stated terms and conditions, modify the contract pay items as follows:

Delete the following existing contract pay items:

Item Number	Description	Unit	Quantity	Unit Cost	Amount
106 - 1A 53rd B	110-3 - DEMOLITION AND REMOVAL OF EXISTING BRIDGE	LS	1.00	\$147,000.00	\$147,000.00
107 - 1A 53rd B	12450-88-18A - PRESTRESSED PRECAST DECK UNITS (18" x 4'-3" x 36'-0")	LF	432.00	\$578.00	\$249,696.00
108 - 1A 53rd B	12450-88-18B - PRESTRESSED PRECAST DECK UNITS (18" x 4'-6" x 36'-0")	LF	72.00	\$578.00	\$41,616.00
109 - 1A 53rd B	400-2-4 - CLASS II CONCRETE FOR CLOSURE POURS BETWEEN DECK UNITS	CY	15.00	\$1,260.00	\$18,900.00
110 - 1A 53rd B	415-1-4 - REINFORCING STEEL	LB	990.00	\$2.00	\$1,980.00
111 - 1A 53rd B	521-5-1 - CONCRETE TRAFFIC RAILING BARRIER (32" F SHAPE)	LF	37.00	\$105.00	\$3,885.00
112 - 1A 53rd B	521-5-4 - CONCRETE TRAFFIC RAILING BARRIER (32" VERTICAL SHAPE)	LF	37.00	\$105.00	\$3,885.00
113 - 1A 53rd B	521-72-3 - SHOULDER CONCRETE BARRIER WALL (INDEX 410 - CANTILEVERED WALL)	LF	100.00	\$525.00	\$52,500.00
114 - 1A 53rd B	460-70-2 - ALUMINUM BICYCLE BULLET BARRIER RAILING	LF	74.00	\$62.00	\$4,588.00
115 - 1A 53rd B	400-2-5 - CLASS II CONCRETE FOR PILE CAPS	CY	76.00	\$1,575.00	\$119,700.00
116 - 1A 53rd B	415-1-5 - REINFORCING STEEL	LB	12300.00	\$2.00	\$24,600.00

Item Number	Description	Unit	Quantity	Unit Cost	Amount
117 - 1A 53rd B	455-133-2 - 18" SQUARE x 70'-0" MINIMUM (TEST PILE - ABUTMENT)	LF	140.00	\$37.00	\$5,180.00
118 - 1A 53rd B	455-34-2 - 18" SQUARE x 55'-0" MINIMUM (ABUTMENT)	LF	1045.00	\$37.00	\$38,665.00
119 - 1A 53rd B	455-34-2A - 14" SQUARE x 50'-0" MINIMUM (WING BENT)	LF	600.00	\$32.00	\$19,200.00
120 - 1A 53rd B	455-137 - PILE DYNAMIC LOAD TESTING	LS	1.00	\$525.00	\$525.00
121 - 1A 53rd B	455-14-5 - 8" x 8'-0" x 12'-0" SHEET WALL	LF	312.00	\$315.00	\$98,280.00
122 - 1A 53rd B	400-2-4A - CLASS II CONCRETE	CY	8.00	\$1,050.00	\$8,400.00
123 - 1A 53rd B	415-1-4A - REINFORCING STEEL	LB	343.00	\$2.00	\$686.00
124 - 1A 53rd B	400-2-10 - CLASS II CONCRETE	CY	124.00	\$368.00	\$45,632.00
125 - 1A 53rd B	415-1-9 - REINFORCING STEEL	LB	19570.00	\$1.00	\$19,570.00
126 - 1A 53rd B	715-2117 - 2" DIAMETER PVC CONDUIT	LF	152.00	\$15.00	\$2,280.00
127 - 1A 53rd B	339-1 - MISCELLANEOUS ASPHALT	TN	8.37	\$250.00	\$2,092.50
128 - 1A 53rd B	530-3-3 - (ROCK RUBBLE)	TN	1232.00	\$95.00	\$117,040.00
				Total	\$1,025,900.50

Add the following pay items and work to the contract:

Added by CO 02	53 rd Street Bridge Lump Sum	LS	1.00	\$1,867,717.85	\$1,867,717.85
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Reason for Change Order:

The purpose of this Change Order is to compensate the Contractor to construct the 53rd Street Bridge over Lateral A Canal based on the redesigned 5-lane typical section. Further, the Contractor agreed to a Lump Sum (LS) amount and an addition of sixty (60) days Contract time. There are many benefits to the redesign, including being able to accommodate future growth by being able to accommodate additional travel lanes. Other benefits include upgrading the bridge structure to the current FDOT Standards and changing from a prestressed/post tension single deck superstructure design to a prestressed Florida Slab Beam (FSB) design which decreases long-term maintenance costs & increases life of the structure. The net addition to the Contract will be \$841,817.35, which includes pay item overruns, jobsite overhead and other indirect costs associated with the 60-day time extension necessary to complete this work plus additional maintenance of traffic & erosion control for the additional 60-day period.

Attachments: (List documents supporting change)

- Exhibit A: Contract Document List of Pay Items for 53rd Street Bridge (1 Page)
- Exhibit B: Schedule of Values (1 Page)
- Exhibit C: Change Order 02 Back-up Documentation (3 Pages)
 - Appendix A: Engineer's Estimate and Backup Documentation (22 pages)
 - Appendix B: Contractor's 5 Lane Cost Submittal (2 pages)
 - Appendix C: Engineer's Analysis & Support of the 60-Day Contract Time Extension (5 pages)

CHANGE IN CONTRACT PRICE:	
Description	Amount
Original Contract Price	<u>\$32,728,137.85</u>
Net Increase (Decrease) from previous Change Orders No. <u>01</u> to <u>01</u> :	<u>-\$55,000.00</u>
Contract Price prior to this Change Order:	<u>\$32,673,137.85</u>
Net increase of this Change Order:	<u>\$841,817.35</u>
Contract Price with all approved Change Orders:	<u>\$33,514,955.20</u>

CHANGE IN CONTRACT TIMES	
Description	Time
Original Contract Time: Substantial Completion: Final Completion:	(days or dates) <u>720</u> <u>750</u>
Net change from previous Change Orders No. <u>N/A</u> to <u>N/A</u> : Substantial Completion: Final Completion:	(days) <u>0</u> <u>0</u>
Contract Time prior to this Change Order: Substantial Completion: Final Completion:	(days or dates) <u>720</u> <u>750</u>
Net increase this Change Order: Substantial Completion: Final Completion:	(days or dates) <u>60</u> <u>60</u>
Contract Time with all approved Change Orders: Substantial Completion: Final Completion:	(days or dates) <u>780</u> <u>810</u>

ACCEPTED:
John Morris

CONTRACTOR (Signature)

RECOMMENDED:
William R Adams, III, P.E.

ENGINEER (Signature)

APPROVED:
Richard B. Szyrka, P.E.

OWNER (Signature)

ITEMIZED BID SCHEDULE - Revision 1

PROJECT NAME: 66TH AVENUE (NORTH OF 49TH STREET TO 69TH STREET)

PROJECT NO. IRC-1505 BID NO. 2021018 FM NOS. 436379-1-54-01 & 436379-1-54-02

BIDDER'S NAME:

Item No.	Description	Unit	Unit Price	Quantity	Amount
PHASE 1A - BRIDGE AT 53RD STREET, 49TH STREET TO 57TH STREET					
110-3	DEMOLITION AND REMOVAL OF EXISTING BRIDGE (SUPERSTRUCTURE)	LS	\$ 147,000.00	1	\$ 147,000.00
12450-88-18A	PRESTRESSED PRECAST DECK UNITS (18" x 4'-3" x 36'-0")	LF	\$ 578.00	432	\$ 249,696.00
12450-88-18B	PRESTRESSED PRECAST DECK UNITS (18" x 4'-6" x 36'-0")	LF	\$ 578.00	72	\$ 41,616.00
400-2-4	CLASS II CONCRETE FOR CLOSURE POURS BETWEEN DECK UNITS	CY	\$ 1,260.00	15	\$ 18,900.00
415-1-4	REINFORCING STEEL	LB	\$ 2.00	990	\$ 1,980.00
521-5-1	CONCRETE TRAFFIC RAILING BARRIER (32" F SHAPE)	LF	\$ 105.00	37	\$ 3,885.00
521-5-4	CONCRETE TRAFFIC RAILING BARRIER (32" VERTICAL SHAPE)	LF	\$ 105.00	37	\$ 3,885.00
521-72-3	SHOULDER CONCRETE BARRIER WALL (INDEX 410 - CANTILEVERED WALL)	LF	\$ 525.00	100	\$ 52,500.00
460-70-2	ALUMINUM BICYCLE BULLET BARRIER RAILING (SUBSTRUCTURE)	LF	\$ 62.00	74	\$ 4,588.00
400-2-5	CLASS II CONCRETE FOR PILE CAPS	CY	\$ 1,575.00	76	\$ 119,700.00
415-1-5	REINFORCING STEEL PRESTRESSED PILES (ABUTMENT)	LB	\$ 2.00	12,300	\$ 24,600.00
455-133-2	18" SQUARE x 70'-0" MINIMUM (TEST PILE - ABUTMENT)	LF	\$ 37.00	140	\$ 5,180.00
455-34-2	18" SQUARE x 55'-0" MINIMUM (ABUTMENT)	LF	\$ 37.00	1,045	\$ 38,665.00
455-34-2A	14" SQUARE x 50'-0" MINIMUM (WING BENT)	LF	\$ 32.00	600	\$ 19,200.00
455-137	PILE DYNAMIC LOAD TESTING	LS	\$ 525.00	1	\$ 525.00
455-14-5	8" x 8'-0" x 12'-0" SHEET WALL (SIDEWALKS)	LF	\$ 315.00	312	\$ 98,280.00
400-2-4A	CLASS II CONCRETE	CY	\$ 1,050.00	8	\$ 8,400.00
415-1-4A	REINFORCING STEEL (APPROACH SLABS) (2)	LB	\$ 2.00	343	\$ 686.00
400-2-10	CLASS II CONCRETE	CY	\$ 368.00	124	\$ 45,632.00
415-1-9	REINFORCING STEEL	LB	\$ 1.00	19,570	\$ 19,570.00
715-2117	2" DIAMETER PVC CONDUIT	LF	\$ 15.00	152	\$ 2,280.00
339-1	MISCELLANEOUS ASPHALT	TN	\$ 250.00	8.37	\$ 2,092.50
530-3-3	(ROCK RUBBLE) (CANAL EXCAVATION AS REQUIRED SHALL BE INCLUDED IN THE COST OF THE ROCK RUBBLE)	TN	\$ 95.00	1,232	\$ 117,040.00
PHASE 1A - SUB-TOTAL 53RD STREET BRIDGE					\$ 1,025,900.50

CHANGE ORDER BACK-UP DOCUMENTATION

FIN No.: 436379-1-54-01 & 436379-1-54-02Contract No: IRC-1505Change Order No.: 02Amount \$ 841,817.35 and 60 Days

Title of Issue

Widening the 53rd Street Bridge from three (3) proposed travel lanes to five (5) proposed travel lanes.

I. Entitlement Analysis

The purpose of this Change Order is to compensate the Contractor to construct the 53rd Street Bridge over Lateral A Canal based on the redesigned 5-lane typical section. Further, the Contractor agreed to a Lump Sum (LS) amount and an addition of sixty (60) days Contract time. There are many benefits to the redesign, including being able to accommodate future growth by being able to accommodate additional travel lanes. Other benefits include upgrading the bridge structure to the current FDOT Standards and changing from a prestressed/post tension single deck superstructure design to a prestressed Florida Slab Beam (FSB) design which decreases long-term maintenance costs & increases life of the structure. The net addition to the Contract will be \$841,817.35, which includes pay item overruns, jobsite overhead and other indirect costs associated with the 60-day time extension necessary to complete this work plus additional maintenance of traffic & erosion control for the additional 60-day period.

II. Time Analysis

The Contractor is pursuing a 60-day time extension to complete the additional work.

III. Engineer's Estimate

a. Basis of Estimate

The Engineer's Estimate was based on the original Contract unit prices plus a "delta" based on the current State-Wide-Average (SWA) minus the State-Wide-Average at time of original bid, multiplied by the Engineer-of-Records' revised quantities for a 5-lane design. Considering the increase in unit cost is appropriate as the decision to proceed with the 5-lane typical section redesign occurred at this time and the Contractor was unable to proceed with procurement of the original 3-lane design components. To this we added Jobsite Overhead & Other Indirect Expenses as a function of total Mobilization, Maintenance of Traffic (MOT) and Erosion Control based on a per day rate using the original Contract time and original Contract bid price multiplied by the 60-day time extension. Mobilization, MOT & Erosion Control are all original Contract pay item bid as one Lump Sum for original Contract time of 750 days. This resulted in an Engineer's Estimate totaling \$848,256.54.

	Mobilization	MOT	Erosion Control
Phase 1A	\$1,400,000	\$230,000	\$120,000
Phase 1B	\$1,800,000	\$400,000	\$145,000
	<hr/>	<hr/>	<hr/>
	\$3,200,000	\$630,000	\$265,000
Divided by 750 days for a daily rate:	\$4,267	\$840	\$353
Multiplied by 60 day time extension:	<hr/>	<hr/>	<hr/>
	\$256,000	\$50,400	\$21,200

b. Estimate

The Engineer's Estimate to widen the 53rd Street Bridge from three (3) proposed travel lanes to five (5) proposed travel lanes resulted in the net increase to Contract in the amount of \$848,256.54. This price includes all mark-ups and no bonding.

Refer to Appendix "A" for a breakdown of the Engineer's Estimate and backup documentation.

c. Contractor's Quote

The Contractor's quote submitted a Change Order in the amount of Eight Hundred Forty-One Thousand Eight Hundred Seventeen Dollar and Thirty-Five Cents (\$841,817.35).

Refer to Appendix "B" for a breakdown of the Contractor's quote.

d. Final Disposition

After comparing the Engineer's Estimate of \$848,256.54 to the Contractor's price of \$841,817.35 the Contractor's proposal is less than the Engineer's Estimate by \$6,439.19. After review of the Contractor's proposal the County has agreed to the Contractor's price of \$841,817.35 has been accepted.

IV. CRS Coding

503 Change resulting from engineering decision (use specific reason in lieu of this when possible)

- | | |
|------------------------------|--|
| a. Avoidability Code: | 0 - Unavoidable: No Remedial Action Required |
| b. Cost Recovery Code: | N - No Action Recommended |
| c. Claim/Extend Limits Code: | N - Neither |

V. Premium Cost Analysis

There will be no premium costs involved with the change from three (3) proposed travel lanes to five (5) proposed travel lanes on the 53rd Street Bridge. None of the costs are the result of rework, delay, or inefficiency, therefore none of the costs associated with this issue are considered premium.

Agree Disagree

Pursue Cost Recovery? Yes No

VI. Statement of Claim Settlement Costs

None

VIII. Statutory Reason:

This contract modification is being done in compliance with Florida Statute 337.11 (9), to make the project functionally operational in accordance with the intent of the original contract.

VII. Federal Aid Participation

Time: Sixty (60) Days

Cost: Increase of Eight Hundred Forty-One Thousand Eight Hundred Seventeen Dollar and Thirty-Five Cents (\$841,817.35)

Participating

Non-Participating

William R. Adams III, P.E. – Sr. Project Engineer

Date

Attachments

- Appendix A: Engineer's Estimate and Backup Documentation (22 pages)
- Appendix B: Contractor's 5 Lane Cost Submittal (2 pages)

Line Item Number	Description	Unit	Bid Unit Price	Revised 5-Lane Qty	SWA 2020	SWA 6 Month	Delta	Revised Unit Price	Revised Total Amount	Comments
106 - 1A 53rd B	110-3 - DEMOLITION AND REMOVAL OF EXISTING BRIDGE	LS	\$147,000.00	1.00	N/A	N/A	\$0.00	\$147,000.00	\$147,000.00	used bid price only
107 - 1A 53rd B	12450-88-18A - PRESTRESSED PRECAST DECK UNITS (18" x 4'-3" x 36'-0")	LF	\$578.00	684.00	N/A	N/A	\$56.00	\$634.00	\$433,656.00	bid price +\$56 (Invoice)
108 - 1A 53rd B	12450-88-18B - PRESTRESSED PRECAST DECK UNITS (18" x 4'-6" x 36'-0")	LF	\$578.00	72.00	N/A	N/A	\$56.00	\$634.00	\$45,648.00	bid price +\$56 (Invoice)
109 - 1A 53rd B	400-2-4 - CLASS II CONCRETE FOR CLOSURE POURS BETWEEN DECK UNITS	CY	\$1,260.00	23.80	\$729.35	\$764.64	\$35.29	\$1,295.29	\$30,827.90	
110 - 1A 53rd B	415-1-4 - REINFORCING STEEL	LB	\$2.00	1,522.80	\$0.95	\$1.28	\$0.33	\$2.33	\$3,548.12	
111 - 1A 53rd B	521-5-1 - CONCRETE TRAFFIC RAILING BARRIER (32" F SHAPE)	LF	\$105.00	76.00	\$125.52	\$310.00	\$184.48	\$289.48	\$22,000.48	used Pay Item 521 5 13 No Pay Item for 521 5 1 to compare
112 - 1A 53rd B	521-5-4 - CONCRETE TRAFFIC RAILING BARRIER (32" VERTICAL SHAPE)	LF	\$105.00	37.00	\$341.03	\$393.64	\$52.61	\$157.61	\$5,831.57	used Pay Item 521 8 3 No Pay Item for 521 5 4 to compare
113 - 1A 53rd B	521-72-3 - SHOULDER CONCRETE BARRIER WALL	LF	\$525.00	111.00	N/A	N/A	\$0.00	\$525.00	\$58,275.00	used bid price only
114 - 1A 53rd B	460-70-2 - ALUMINUM BICYCLE BULLET BARRIER RAILING	LF	\$62.00	74.00	\$34.72	\$66.20	\$31.48	\$93.48	\$6,917.52	used 515 4 2 No Pay Item for 460 70 2 to compare
115 - 1A 53rd B	400-2-5 - CLASS II CONCRETE FOR PILE CAPS	CY	\$1,575.00	100.00	\$1,476.72	\$1,783.27	\$306.55	\$1,881.55	\$188,155.00	
116 - 1A 53rd B	415-1-5 - REINFORCING STEEL	LB	\$2.00	16,674.00	\$0.97	\$1.50	\$0.53	\$2.53	\$42,185.22	
117 - 1A 53rd B	455-133-2 - 18" SQUARE x 70'-0" MINIMUM (TEST PILE - ABUTMENT)	LF	\$37.00	140.00	\$210.60	\$318.28	\$107.68	\$144.68	\$20,255.20	used Pay Item 455143 3
118 - 1A 53rd B	455-34-2 - 18" SQUARE x 55'-0" MINIMUM (ABUTMENT)	LF	\$37.00	1,430.00	\$141.55	\$181.40	\$39.85	\$76.85	\$109,895.50	used Pay Item 455 34 3
119 - 1A 53rd B	455-34-2A - 14" SQUARE x 50'-0" MINIMUM (WING BENT)	LF	\$32.00	660.00	\$141.55	\$181.40	\$39.85	\$71.85	\$47,421.00	used Pay Item 455 34 3 No Pay Item for 455 34 2 to compare
120 - 1A 53rd B	455-137 - PILE DYNAMIC LOAD TESTING	LS	\$525.00	1.00	N/A	N/A	\$0.00	\$525.00	\$525.00	used bid price only
121 - 1A 53rd B	455-14-5 - 8" x 8'-0" x 12'-0" SHEET WALL	LF	\$315.00	408.00	N/A	N/A	\$31.00	\$346.00	\$141,168.00	bid price +\$31 (Invoice)
122 - 1A 53rd B	400-2-4A - CLASS II CONCRETE	CY	\$1,050.00	.00	\$729.35	\$764.64	\$35.29	\$1,085.29	\$0.00	
123 - 1A 53rd B	415-1-4A - REINFORCING STEEL	LB	\$2.00	.00	\$0.95	\$1.28	\$0.33	\$2.33	\$0.00	
124 - 1A 53rd B	400-2-10 - CLASS II CONCRETE	CY	\$368.00	255.00	N/A	N/A	\$0.00	\$368.00	\$93,840.00	used bid price only
125 - 1A 53rd B	415-1-9 - REINFORCING STEEL	LB	\$1.00	39,016.50	\$0.99	\$1.17	\$0.18	\$1.18	\$46,039.47	
126 - 1A 53rd B	715-2117 - 2" DIAMETER PVC CONDUIT	LF	\$15.00	.00	N/A	N/A	\$0.00	\$15.00	\$0.00	
127 - 1A 53rd B	339-1 - MISCELLANEOUS ASPHALT	TN	\$250.00	7.20	\$179.48	\$226.30	\$46.82	\$296.82	\$2,137.10	
128 - 1A 53rd B	530-3-3 - (ROCK RUBBLE)	TN	\$95.00	705.00	\$82.77	\$131.36	\$48.59	\$143.59	\$101,230.95	
									\$1,546,557.04	
									\$256,000.00	Jobsite Overhead & Other Indirect Expenses \$4,266.67/day for 60 days:
									\$50,400.00	Additional MOT \$840/day for 60 days:
									\$21,200.00	Additional Erosion Control \$353/day for 60 days:
									\$1,874,157.04	
									-\$1,025,900.50	Minus Bid Amount:
									\$848,256.54	Net Increase to Contract:

William R Adams, III, P.E.
Senior Project Engineer

Appendix A - Page2

	Mobilizaiton	MOT	Erosion Control
Phase 1A	\$1,400,000	\$230,000	\$120,000
Phase 1B	\$1,800,000	\$400,000	\$145,000
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	\$3,200,000	\$630,000	\$265,000
Divided by 750 days for a daily rate:	\$4,267	\$840	\$353
Multiplied by 60 day time extension:	<hr/>	<hr/>	<hr/>
	\$256,000	\$50,400	\$21,200

ITEMIZED BID SCHEDULE - Revision 1

PROJECT NAME: 66TH AVENUE (NORTH OF 49TH STREET TO 69TH STREET)

PROJECT NO. IRC-1505 BID NO. 2021018 FM NOS. 436379-1-54-01 & 436379-1-54-02

BIDDER'S NAME:

Item No.	Description	Unit	Unit Price	Quantity	Amount
PHASE 1A - BRIDGE AT 53RD STREET, 49TH STREET TO 57TH STREET					
110-3	DEMOLITION AND REMOVAL OF EXISTING BRIDGE (SUPERSTRUCTURE)	LS	\$ 147,000.00	1	\$ 147,000.00
12450-88-18A	PRESTRESSED PRECAST DECK UNITS (18" x 4'-3" x 36'-0")	LF	\$ 578.00	432	\$ 249,696.00
12450-88-18B	PRESTRESSED PRECAST DECK UNITS (18" x 4'-6" x 36'-0")	LF	\$ 578.00	72	\$ 41,616.00
400-2-4	CLASS II CONCRETE FOR CLOSURE POURS BETWEEN DECK UNITS	CY	\$ 1,260.00	15	\$ 18,900.00
415-1-4	REINFORCING STEEL	LB	\$ 2.00	990	\$ 1,980.00
521-5-1	CONCRETE TRAFFIC RAILING BARRIER (32" F SHAPE)	LF	\$ 105.00	37	\$ 3,885.00
521-5-4	CONCRETE TRAFFIC RAILING BARRIER (32" VERTICAL SHAPE)	LF	\$ 105.00	37	\$ 3,885.00
521-72-3	SHOULDER CONCRETE BARRIER WALL (INDEX 410 - CANTILEVERED WALL)	LF	\$ 525.00	100	\$ 52,500.00
460-70-2	ALUMINUM BICYCLE BULLET BARRIER RAILING (SUBSTRUCTURE)	LF	\$ 62.00	74	\$ 4,588.00
400-2-5	CLASS II CONCRETE FOR PILE CAPS	CY	\$ 1,575.00	76	\$ 119,700.00
415-1-5	REINFORCING STEEL PRESTRESSED PILES (ABUTMENT)	LB	\$ 2.00	12,300	\$ 24,600.00
455-133-2	18" SQUARE x 70'-0" MINIMUM (TEST PILE - ABUTMENT)	LF	\$ 37.00	140	\$ 5,180.00
455-34-2	18" SQUARE x 55'-0" MINIMUM (ABUTMENT)	LF	\$ 37.00	1,045	\$ 38,665.00
455-34-2A	14" SQUARE x 50'-0" MINIMUM (WING BENT)	LF	\$ 32.00	600	\$ 19,200.00
455-137	PILE DYNAMIC LOAD TESTING	LS	\$ 525.00	1	\$ 525.00
455-14-5	8" x 8'-0" x 12'-0" SHEET WALL (SIDEWALKS)	LF	\$ 315.00	312	\$ 98,280.00
400-2-4A	CLASS II CONCRETE	CY	\$ 1,050.00	8	\$ 8,400.00
415-1-4A	REINFORCING STEEL (APPROACH SLABS) (2)	LB	\$ 2.00	343	\$ 686.00
400-2-10	CLASS II CONCRETE	CY	\$ 368.00	124	\$ 45,632.00
415-1-9	REINFORCING STEEL	LB	\$ 1.00	19,570	\$ 19,570.00
715-2117	2" DIAMETER PVC CONDUIT	LF	\$ 15.00	152	\$ 2,280.00
339-1	MISCELLANEOUS ASPHALT	TN	\$ 250.00	8.37	\$ 2,092.50
530-3-3	(ROCK RUBBLE) (CANAL EXCAVATION AS REQUIRED SHALL BE INCLUDED IN THE COST OF THE ROCK RUBBLE)	TN	\$ 95.00	1,232	\$ 117,040.00
PHASE 1A - SUB-TOTAL 53RD STREET BRIDGE					\$ 1,025,900.50

ITEMIZED BID SCHEDULE - Revision 1

PROJECT NAME: 66TH AVENUE (NORTH OF 49TH STREET TO 69TH STREET)

PROJECT NO. IRC-1505 BID NO. 2021018 FM NOS. 436379-1-54-01 & 436379-1-54-02

BIDDER'S NAME:

Item No.	Description	Unit	Unit Price	Quantity	Amount
PHASE 1A - ROADWAY, 49TH STREET TO 57TH STREET					
0101 1	MOBILIZATION	LS	\$ 1,400,000.00	1	\$ 1,400,000.00
0102 1	MAINTENANCE OF TRAFFIC	LS	\$ 230,000.00	1	\$ 230,000.00
IRC 1	FIELD OFFICE	LS	\$ 3,000.00	1	\$ 3,000.00
0104 2	PREVENTION, CONTROL & ABATEMENT OF EROSION AND WATER POLLUTION	LS	\$ 120,000.00	1	\$ 120,000.00
0110 1 1	CLEARING & GRUBBING	LS	\$ 300,000.00	1	\$ 300,000.00
0110 7 1	MAILBOX F & I	EA	\$ 100.00	3	\$ 300.00
0120 1	REGULAR EXCAVATION	CY	\$ 3.50	5,801	\$ 20,303.50
0120 4	SUBSOIL EXCAVATION	CY	\$ 22.00	1,000	\$ 22,000.00
0120 5	CHANNEL EXCAVATION (LAKE EXCAVATION)	CY	\$ 3.50	35,755	\$ 125,142.50
0120 6	EMBANKMENT, COMPACTED IN PLACE	CY	\$ 7.50	89,721	\$ 672,907.50
0121 70	FLOWABLE FILL	CY	\$ 170.00	100	\$ 17,000.00
0160 4	TYPE B STABILIZATION	SY	\$ 2.70	82,243	\$ 222,056.10
285709	OPTIONAL BASE, BASE GROUP 09	SY	\$ 13.00	64,018	\$ 832,234.00
0286 1	TURNOUT CONSTRUCTION	SY	\$ 26.00	619	\$ 16,094.00
0286 2	TURNOUT CONSTRUCTION-ASPHALT	TN	\$ 150.00	135	\$ 20,250.00
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, SP-12.5	TN	\$ 91.00	6,162	\$ 560,742.00
0337 7 82	ASPHALTIC CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22	TN	\$ 125.00	4,401	\$ 550,125.00
0339 1	MISCELLANEOUS ASPHALT PAVEMENT	TN	\$ 250.00	56	\$ 14,000.00
0350 3 1	PLAIN CEMENT CONCRETE PAVEMENT, 6"	SY	\$ 48.00	743	\$ 35,664.00
0400 1 2	CONCRETE CLASS I, ENDWALLS	CY	\$ 1,360.00	17.5	\$ 23,800.00
0425 1 351	INLETS, CURB, TYPE P-5, <10'	EA	\$ 5,187.00	8	\$ 41,496.00
0425 1 361	INLETS, CURB, TYPE P-6, <10'	EA	\$ 5,500.00	13	\$ 71,500.00
0425 1 451	INLETS, CURB, TYPE J-5, <10'	EA	\$ 8,170.00	3	\$ 24,510.00
0425 1 461	INLETS, CURB, TYPE J-6, <10'	EA	\$ 8,778.00	4	\$ 35,112.00
0425 1 521	INLETS, DITCH BOTTOM, TYPE C, <10'	EA	\$ 3,455.00	8	\$ 27,640.00
0425 2 41	MANHOLES, P-7, <10'	EA	\$ 4,760.00	3	\$ 14,280.00

ITEMIZED BID SCHEDULE - Revision 1

PROJECT NAME: 66TH AVENUE (NORTH OF 49TH STREET TO 69TH STREET)

PROJECT NO. IRC-1505 BID NO. 2021018 FM NOS. 436379-1-54-01 & 436379-1-54-02

BIDDER'S NAME:

Item No.	Description	Unit	Unit Price	Quantity	Amount
PHASE 1B - ROADWAY, 57TH STREET TO 69TH STREET					
101-1	MOBILIZATION/ DEMOBILIZATION	LS	\$ 1,800,000.00	1	\$ 1,800,000.00
102-1	MAINTENANCE OF TRAFFIC	LS	\$ 400,000.00	1	\$ 400,000.00
104-2	PREVENTION, CONTROL & ABATEMENT OF EROSION AND WATER POLLUTION	LS	\$ 145,000.00	1	\$ 145,000.00
110-1-1	CLEARING & GRUBBING	AC	\$ 4,418.00	86.0	\$ 379,948.00
110-7-1	MAILBOX F & I	EA	\$ 100.00	40	\$ 4,000.00
120-1	REGULAR EXCAVATION	CY	\$ 3.50	81,595	\$ 285,582.50
120-4	SUBSOIL EXCAVATION	CY	\$ 22.00	3,198	\$ 70,356.00
120-5	CHANNEL EXCAVATION	CY	\$ 3.50	890	\$ 3,115.00
120-6	EMBANKMENT	CY	\$ 7.50	128,124	\$ 960,930.00
160-4	TYPE "B" STABILIZATION	SY	\$ 2.70	123,552	\$ 333,590.40
285-709	OPTIONAL BASE (BASE GROUP 9)	SY	\$ 13.00	108,050	\$ 1,404,650.00
286-1	TURNOUT CONSTRUCTION	SY	\$ 26.00	2,320	\$ 60,320.00
327-70-01	MILLING EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)	SY	\$ 15.00	118	\$ 1,770.00
334-1-13	SUPERPAVE ASPHALT CONCRETE (SP-12.5) (TRAFFIC C) (2")	TN	\$ 91.00	11,959	\$ 1,088,269.00
337-7-82	ASPHALTIC CONCRETE FRICTION COURSE (FC-9.5) (TRAFFIC C) (1")	TN	\$ 125.00	5,980	\$ 747,500.00
339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	\$ 250.00	34	\$ 8,500.00
400-1-2	CLASS I CONCRETE (ENDWALL)	CY	\$ 1,100.00	13.4	\$ 14,740.00
400-2-2	CLASS II CONCRETE (ENDWALL)	CY	\$ 1,735.00	125.6	\$ 217,916.00
400-4-1	REINFORCED CONCRETE BOX CULVERT (12'X10')	LF	\$ 2,360.00	72	\$ 169,920.00
415-1-1	REINFORCING STEEL (ROADWAY)	LB	\$ 1.00	6,510	\$ 6,510.00
425-1-351	INLETS (CURB) (TYPE P-5) (<10')	EA	\$ 4,880.00	32	\$ 156,160.00
425-1-361	INLETS (CURB) (TYPE P-6) (<10')	EA	\$ 4,900.00	20	\$ 98,000.00
425-1-451	INLETS (CURB) (TYPE J-5) (<10')	EA	\$ 8,170.00	6	\$ 49,020.00
425-1-452	INLETS (CURB)(TYPE J-5) (>10')	EA	\$ 11,750.00	4	\$ 47,000.00
425-1-452A	INLETS (CURB)(TYPE J-5) (>10') (CONTROL STRUCTURE W/ INTERNAL WEIR)	EA	\$ 21,500.00	1	\$ 21,500.00
425-1-461	INLETS (CURB) (TYPE J-6) (<10')	EA	\$ 8,200.00	11	\$ 90,200.00
425-1-462	INLETS (CURB) (TYPE J-6) (>10')	EA	\$ 11,550.00	1	\$ 11,550.00
425-1-521	INLETS (DT BOT) (TYPE C) (<10')	EA	\$ 3,200.00	18	\$ 57,600.00
425-1-521A	INLETS (DT BOT)(TYPE C) (<10') (CONTROL STRUCTURE W/ EXTERNAL SKIMMER)	EA	\$ 6,100.00	3	\$ 18,300.00
425-1-531	INLETS (DT BOT) (TYPE C MOD.) (<10') (BACK OF SWK INLET)	EA	\$ 3,250.00	2	\$ 6,500.00
425-1-541	INLETS (DT BOT) (TYPE D) (<10')	EA	\$ 3,950.00	2	\$ 7,900.00

Report Run On: 02/28/2022

Florida Department of Transportation
Item Average Unit Cost
From 2021/08/01 to 2022/01/31
Statewide

Contract Type: CC
Displaying: VALID ITEMS WITH HITS
From: 0102 1 To: 9999999

Item	No. of Confs	Weighted Average	Total Amount	Total Unit Quantity Meas	Obs?	Description
0102 1	127	\$679.91	\$24,183,634.33	35,569.000 DA	N	MAINTENANCE OF TRAFFIC
0102 2200	32	\$17.48	\$5,817,923.32	332,895.000 SY	N	SPECIAL DETOUR- TEMPORARY PAVEMENT
0102 2300	22	\$36.48	\$3,369,056.60	92,348.000 CY	N	SPECIAL DETOUR- TEMPORARY EARTHWORK/BASE
0102 3	18	\$69.91	\$131,428.58	1,879.900 CY	N	COMMERCIAL MATERIAL FOR TEMPORARY DRIVEWAY MAINTENANCE
0102 4 1	34	\$27.31	\$532,467.28	19,497.000 SY	N	PEDESTRIAN OR BICYCLE SPECIAL DETOUR
0102 14	64	\$53.95	\$3,307,427.66	61,311.000 HR	N	TRAFFIC CONTROL OFFICER
0102 60	123	\$.23	\$491,557.84	2,131,516.000 ED	N	WORK ZONE SIGN
0102 61	17	\$29.80	\$85,913.69	2,883.000 EA	N	BUSINESS SIGN
0102 62 12	1	\$10.00	\$80.00	8.000 ED	N	BARRIER MOUNTED WORK ZONE SIGN- INDEX 700-012
0102 62 13	4	\$1.69	\$14,146.70	8,362.000 ED	N	BARRIER MOUNTED WORK ZONE SIGN- INDEX 700-013
0102 71 13	18	\$38.20	\$692,271.98	18,121.000 LF	N	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE
0102 71 15	23	\$25.20	\$2,083,869.33	82,697.000 LF	N	TEMPORARY BARRIER, F&I, ANCHORED
0102 71 16	14	\$19.41	\$843,466.55	43,461.000 LF	N	TEMPORARY BARRIER, F&I, FREE STANDING
0102 71 23	7	\$11.44	\$189,981.08	16,608.000 LF	N	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE
0102 71 25	16	\$10.74	\$869,646.20	80,990.000 LF	N	TEMPORARY BARRIER, RELOCATE, ANCHORED
0102 71 26	11	\$5.53	\$319,625.61	57,821.000 LF	N	TEMPORARY BARRIER, RELOCATE, FREE STANDING
0102 73	2	\$20.32	\$17,250.00	849.000 LF	N	TEMPORARY GUARDRAIL
0102 74 1	123	\$.11	\$883,606.32	8,281,659.000 ED	N	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD

0327 70 22	4	\$3.25	\$245,886.65	75,675.000 SY	N	MILLING EXISTING ASPHALT PAVEMENT, 4 1/4" AVG DEPTH
0327 70 23	1	\$18.50	\$16,150.50	873.000 SY	N	MILLING EXISTING ASPHALT PAVEMENT, 6" AVG DEPTH
0327 70 26	1	\$1.00	\$6,373.00	6,373.000 SY	N	MILLING EXISTING ASPHALT PAVEMENT, 4 3/4" AVG DEPTH
0327 70 27	1	\$1.00	\$13,861.00	13,861.000 SY	N	MILLING EXISTING ASPHALT PAVEMENT, 5 3/4" AVG DEPTH
0327 70 34	1	\$5.50	\$130,548.00	23,736.000 SY	N	MILLING EXISTING ASPHALT PAVEMENT, 8" AVG DEPTH
0334 1 12	7	\$107.89	\$1,026,751.85	9,517.000 TN	N	SUPERPAVE ASPHALTIC CONC, TRAFFIC B
0334 1 13	33	\$96.84	\$19,369,746.15	200,027.400 TN	N	SUPERPAVE ASPHALTIC CONC, TRAFFIC C
0334 1 15	1	\$122.70	\$430,468.41	3,508.300 TN	N	SUPERPAVE ASPHALTIC CONC, TRAFFIC E
0334 1 52	21	\$111.50	\$11,383,840.99	102,100.500 TN	N	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG76-22
0334 1 53	30	\$116.19	\$25,980,225.32	223,599.500 TN	N	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22
0334 1 55	1	\$129.85	\$5,397,890.48	41,570.200 TN	N	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC E, PG76-22
0334 1 57	2	\$137.75	\$5,477,877.30	39,766.800 TN	N	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, HIGH POLYMER
0337 7 25	29	\$147.44	\$25,917,556.02	175,785.800 TN	N	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22
0337 7 26	2	\$144.00	\$1,795,557.00	12,469.000 TN	N	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, HIGH POLYMER
0337 7 80	12	\$118.76	\$3,344,576.80	28,161.600 TN	N	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, PG 76-22
0337 7 81	13	\$128.51	\$5,542,304.54	43,128.800 TN	N	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-12.5, PG 76-22
0337 7 82	10	\$132.09	\$4,559,400.94	34,516.500 TN	N	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22
0337 7 83	45	\$128.55	\$20,690,853.90	160,950.400 TN	N	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22
0337 7 93	1	\$136.00	\$915,824.00	6,734.000 TN	N	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, HIGH POLYMER
0339 1	45	\$226.30	\$2,151,932.35	9,509.300 TN	N	MISCELLANEOUS ASPHALT PAVEMENT
0350 3 1	1	\$81.20	\$57,164.80	704.000 SY	N	PLAIN CEMENT CONCRETE PAVEMENT, 6"
0350 3 5	1	\$143.00	\$190,047.00	1,329.000 SY	N	PLAIN CEMENT CONCRETE PAVEMENT, 8"
0350 3 7	4	\$61.02	\$7,568,523.20	124,030.000 SY	N	PLAIN CEMENT CONCRETE PAVEMENT, 9"
0350 3 8	1	\$99.30	\$968,969.40	9,758.000 SY	N	PLAIN CEMENT CONCRETE PAVEMENT, 9.5"
0350 3 9	2	\$97.19	\$663,510.00	6,827.000 SY	N	PLAIN CEMENT CONCRETE PAVEMENT, 10"
0350 3 13	1	\$90.00	\$58,140.00	646.000 SY	N	PLAIN CEMENT CONCRETE PAVEMENT, 12"
0350 5	3	\$2.62	\$580,594.90	221,921.000 LF	N	CLEANING & SEALING JOINTS- CONCRETE PAVEMENT
0350 6	1	\$16.40	\$5,100.40	311.000 LF	N	CLEANING & SEALING RANDOM CRACKS- CONCRETE PAVEMENT

0352 70	4	\$4.53	\$664,877.30	146,716.000 SY	N	GRINDING CONCRETE PAVEMENT
0353 70	1	\$1,500.00	\$282,000.00	188.000 CY	N	CONCRETE PAVEMENT SLAB REPLACEMENT
0370 1	1	\$71.90	\$77,580.10	1,079.000 LF	N	BRIDGE APPROACH EXPANSION JOINT FOR CONCRETE PAVEMENT
0400 0 11	15	\$721.15	\$1,248,026.42	1,730.600 CY	N	CONCRETE CLASS NS, GRAVITY WALL INDEX 400-011
0400 1 11	1	\$1,275.42	\$17,600.80	13.800 CY	N	CONCRETE CLASS I, RETAINING WALLS
0400 2 1	3	\$1,831.95	\$377,564.00	206.100 CY	N	CONCRETE CLASS II, CULVERTS
0400 2 4	6	\$764.64	\$5,821,162.30	7,612.900 CY	N	CONC CLASS II, BRIDGE SUPERSTRUCTURE
0400 2 5	3	\$1,783.27	\$719,549.17	403.500 CY	N	CONCRETE CLASS II, BRIDGE SUBSTRUCTURE
0400 2 8	1	\$2,064.72	\$16,930.70	8.200 CY	N	CONCRETE CLASS II, BULKHEAD
0400 2 10	9	\$371.59	\$1,341,882.15	3,611.200 CY	N	CONCRETE CLASS II, APPROACH SLABS
0400 2 25	1	\$1,440.00	\$307,152.00	213.300 CY	N	CONCRETE CLASS II, MASS, BRIDGE SUBSTRUCTURE
0400 3 20	5	\$1,105.49	\$8,161,397.57	7,382.600 CY	N	CONC CLASS III, SEAL
0400 4 1	5	\$1,851.31	\$2,881,749.00	1,556.600 CY	N	CONCRETE CLASS IV, CULVERTS
0400 4 4	4	\$813.12	\$16,352,075.05	20,110.200 CY	N	CONCRETE CLASS IV, SUPERSTRUCTURE
0400 4 5	7	\$1,426.98	\$4,589,751.50	3,216.400 CY	N	CONCRETE CLASS IV, BRIDGE SUBSTRUCTURE
0400 4 8	2	\$4,429.89	\$115,620.00	26.100 CY	N	CONC CLASS IV, BULKHEAD
0400 4 11	3	\$2,050.40	\$615,325.00	300.100 CY	N	CONC CLASS IV, RETAINING WALLS
0400 4 25	3	\$715.51	\$33,858,693.16	47,320.800 CY	N	CONCRETE CLASS IV, MASS, SUBSTRUCTURE
0400 4 47	1	\$1,345.00	\$289,309.50	215.100 CY	N	CONCRETE CLASS IV, CAST IN PLACE TOPPING WITH SHRINKAGE REDUCING ADMIXTURE
0400 7 1	9	\$3.45	\$305,435.93	88,588.000 SY	N	BRIDGE DECK GROOVING
0400 8107	1	\$1,800.00	\$2,912,400.00	1,618.000 CY	N	CONC CLASS V, MICROSILICA SUBSTRUCTURE MASS
0400 9 1	9	\$5.00	\$507,924.20	101,557.000 SY	N	BRIDGE DECK PLANING
0400 32	2	\$15,842.11	\$120,400.00	7.600 CY	N	CONCRETE FOR JOINT REPAIR
0400140 1	1	\$3,000.00	\$30,000.00	10.000 EA	N	NEOPRENE PAD REPLACEMENT, BENT/PIER
0400142 3	2	\$32.04	\$444,080.00	13,859.000 SF	N	CATHODIC PROTECTION SYSTEM, ZINC ALUMINUM SPRAY
0400143	3	\$1.54	\$696,325.00	453,459.000 SF	N	CLEANING & COATING CONCRETE SURFACE, CLASS 5
0400147	8	\$995.80	\$706,019.10	709.000 CF	N	COMPOSITE NEOPRENE PADS
0400148	5	\$1,529.90	\$102,503.00	67.000 CF	N	PLAIN NEOPRENE BEARING PADS
0400153	2	\$79.07	\$32,037.60	405.200 CF	N	NON SHRINK GROUT, F&I, MISCELLANEOUS- STRUCTURES REHAB
0401 70 2	2	\$593.15	\$121,240.00	204.400 CF	N	RESTORE SPALLED AREAS, LATEX MODIFIED MORTAR- STYRENE BUTADIENE
0401 70 3	3	\$749.62	\$116,640.80	155.600 CF	N	RESTORE SPALLED AREAS, LATEX MODIFIED MORTAR- ACRYLIC
0401 70 4	4	\$482.94	\$369,450.00	765.000 CF	N	RESTORE SPALLED AREAS, PORTLAND CEMENT GROUT

0401 70 7	1	\$175.98	\$90,629.70	515.000 CF	N	RESTORE SPALLED AREAS, SHOTCRETE
0401 70104	1	\$850.00	\$33,065.00	38.900 CF	N	RESTORE SPALLED AREAS, LATEX MODIFIED MORTAR - STYRENE-BUTADIENE, PROJECT 444009-1-52-01
0411 1	7	\$89.18	\$37,902.56	425.000 GA	N	EPOXY MATERIAL FOR CRACK INJECTION- STRUCTURES REHAB
0411 2	7	\$44.98	\$244,574.68	5,437.000 LF	N	CRACKS INJECT & SEAL- STRUCTURES REHAB
0413149	1	\$32.00	\$12,512.00	391.000 GA	N	PENETRANT SEALER
0413151	6	\$50.98	\$390,988.60	7,670.000 GA	N	METHACRYLATE MONOMER
0413154	6	\$1.09	\$919,098.41	844,947.000 SF	N	CLEANING & SEALING CONCRETE SURFACES - PENETRANT SEALER OR METHACRYLATES
0415 1 1	7	\$1.35	\$510,567.64	378,693.000 LB	N	REINFORCING STEEL- ROADWAY
0415 1 3	4	\$1.31	\$65,420.79	49,981.000 LB	N	REINFORCING STEEL- RETAINING WALL
0415 1 4	11	\$1.28	\$9,738,306.30	7,587,942.000 LB	N	REINFORCING STEEL - BRIDGE SUPERSTRUCTURE
0415 1 5	14	\$1.50	\$17,045,264.45	11,400,305.000 LB	N	REINFORCING STEEL- BRIDGE SUBSTRUCTURE
0415 1 6	1	\$1.00	\$7,128.00	7,128.000 LB	N	REINFORCING STEEL- MISCELLANEOUS
0415 1 8	2	\$1.31	\$1,123.20	856.000 LB	N	REINFORCING STEEL- BULKHEAD
0415 1 9	9	\$1.17	\$866,881.00	741,918.000 LB	N	REINFORCING STEEL- APPROACH SLABS
0415 2 1	1	\$7.00	\$27,944.00	3,992.000 LB	N	STAINLESS REINFORCING STEEL, ROADWAY
0415 2 5	1	\$8.12	\$72,495.36	8,928.000 LB	N	STAINLESS REINFORCING STEEL, SUBSTRUCTURE
0415 10 4	1	\$2.25	\$12,530.25	5,569.000 LF	N	FIBER REINFORCED POLYMER BARS, #4 BAR
0415 10 5	2	\$2.81	\$74,194.75	26,364.000 LF	N	FIBER REINFORCED POLYMER BARS, #5 BAR
0415 10 6	1	\$2.75	\$10,835.00	3,940.000 LF	N	FIBER REINFORCED POLYMER BARS, #6 BAR
0415 10 8	1	\$3.80	\$12,524.80	3,296.000 LF	N	FIBER REINFORCED POLYMER BARS, #8 BAR
0425 1201	4	\$6,091.82	\$67,010.00	11.000 EA	N	INLETS, CURB, TYPE 9, <10'
0425 1204	1	\$11,200.00	\$11,200.00	1.000 EA	N	INLETS, CURB, TYPE 9, J BOT, >10'
0425 1209	2	\$5,753.62	\$17,260.85	3.000 EA	N	INLETS, CURB, TYPE 9, MODIFY
0425 1211	1	\$6,860.00	\$27,440.00	4.000 EA	N	INLETS, CURB, TYPE 10, <10'
0425 1311	4	\$9,084.48	\$54,506.90	6.000 EA	N	INLETS, CURB, TYPE P-1, <10'
0425 1319	1	\$5,190.00	\$15,570.00	3.000 EA	N	INLETS, CURB TYPE P-1, MODIFY
0425 1321	1	\$6,430.00	\$6,430.00	1.000 EA	N	INLETS, CURB, TYPE P-2, <10'
0425 1325	1	\$6,510.00	\$6,510.00	1.000 EA	N	INLETS, CURB, TYPE P-2, PARTIAL
0425 1329	1	\$8,443.00	\$8,443.00	1.000 EA	N	INLETS, CURB TYPE P-2, MODIFY
0425 1331	3	\$6,330.00	\$56,970.00	9.000 EA	N	INLETS, CURB, TYPE P-3, <10'
0425 1332	1	\$8,800.00	\$26,400.00	3.000 EA	N	INLETS, CURB. TYPE P-3, >10'
0425 1335	1	\$7,500.00	\$7,500.00	1.000 EA	N	INLETS, CURB, TYPE P-3, PARTIAL

0430984140	1	\$4,500.00	\$9,000.00	2.000 EA	N	MITERED END SECTION , OPTIONAL ROUND, 42" SD
0430984141	1	\$6,630.00	\$26,520.00	4.000 EA	N	MITERED END SECTION , OPTIONAL ROUND, 48" SD
0430984623	1	\$500.00	\$1,000.00	2.000 EA	N	MITERED END SECTION, OPTIONAL OTHER - ELLIP/ARCH, 15" SD
0430984625	15	\$1,694.26	\$154,177.36	91.000 EA	N	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 18" SD
0430984629	10	\$2,430.60	\$63,195.55	26.000 EA	N	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 24" SD
0430984633	4	\$3,648.78	\$54,731.68	15.000 EA	N	MITERED END SECT, OPTIONAL / ELLIP/ARCH, 30" SD
0430984638	1	\$3,500.00	\$28,000.00	8.000 EA	N	MITERED END SECT, OPTIONAL / ELLIP/ARCH, 36" SD
0430991	1	\$1,050.00	\$2,100.00	2.000 EA	N	MITERED END SECT, REPLACE SLAB- CONSTRUCTION USE
0433 1	2	\$5,952.08	\$35,712.45	6.000 EA	N	CHEMICAL GROUT REPAIR, MANHOLE / INLET
0436 1 1	7	\$277.70	\$276,868.99	997.000 LF	N	TRENCH DRAIN, STANDARD
0440 1 10	1	\$40.00	\$12,920.00	323.000 LF	N	UNDERDRAIN, TYPE I
0440 1 20	1	\$31.90	\$548,073.90	17,181.000 LF	N	UNDERDRAIN, TYPE II
0440 70	1	\$1,925.00	\$69,300.00	36.000 EA	N	UNDERDRAIN INSPECTION BOX
0440 73 1	1	\$100.00	\$87,300.00	873.000 LF	N	UNDERDRAIN OUTLET PIPE, 4"
0443 70 4	4	\$173.13	\$2,054,686.00	11,868.000 LF	N	FRENCH DRAIN, 24"
0443 70 6	1	\$165.00	\$114,015.00	691.000 LF	N	FRENCH DRAIN, 36"
0446 1 1	4	\$26.45	\$575,763.40	21,770.000 LF	N	EDGEDRAIN DRAINCRETE, STANDARD
0446 71 1	4	\$36.01	\$91,330.70	2,536.000 LF	N	EDGEDRAIN OUTLET PIPE, 4"
0450 1 1	4	\$214.94	\$1,174,435.00	5,464.000 LF	N	PRESTRESSED BEAMS, TYPE II
0450 2 36	1	\$310.00	\$86,800.00	280.000 LF	N	PREST BEAMS: FLORIDA-I BEAM 36"
0450 2 45	1	\$320.00	\$544,320.00	1,701.000 LF	N	PREST BEAMS: FLORIDA-I BEAM 45"
0450 2 54	1	\$400.00	\$1,014,800.00	2,537.000 LF	N	PREST BEAMS: FLORIDA-I BEAM 54"
0450 2 63	1	\$500.00	\$1,481,000.00	2,962.000 LF	N	PREST BEAMS: FLORIDA-I BEAM 63"
0450 2 72	1	\$430.00	\$826,460.00	1,922.000 LF	N	PREST BEAMS: FLORIDA-I BEAM 72"
0450 2 78	1	\$458.42	\$19,462,221.10	42,455.000 LF	N	PREST BEAMS: FLORIDA-I BEAM 78"
0450 2 84	1	\$555.00	\$14,577,630.00	26,266.000 LF	N	PREST BEAMS: FLORIDA-I BEAM 84"
0450 2 96	2	\$563.03	\$5,507,009.65	9,781.000 LF	N	PREST BEAMS: FLORIDA-I BEAM 96"
0450 8 72	1	\$722.00	\$1,025,962.00	1,421.000 LF	N	PRESTRESSED BEAM: FLORIDA SLAB BEAM, BEAM DEPTH 18" CFRP/SS, WIDTH 52-54"
0455 14 23	2	\$511.49	\$552,920.00	1,081.000 LF	N	CONCRETE SHEET PILING, CFRP/GFRP 10" X 30" w/FRP STRAND & REINFORCING
0455 34 2	1	\$229.53	\$50,496.60	220.000 LF	N	PRESTRESSED CONCRETE PILING, 14" SQ.
0455 34 3	2	\$181.40	\$286,425.00	1,579.000 LF	N	PRESTRESSED CONCRETE PILING, 18" SQ
0455 34 5	4	\$187.90	\$2,047,567.40	10,897.000 LF	N	PRESTRESSED CONCRETE PILING, 24" SQ

0455 34 6	2	\$224.23	\$28,948,757.60	129,104.000 LF	N	PRESTRESSED CONCRETE PILING, 30" SQ
0455 34 23	1	\$365.00	\$611,740.00	1,676.000 LF	N	PRESTRESSED CONCRETE PILING, 18" SQ W/FRP OR STAINLESS STEEL STRAND AND REINFORCING
0455 34 25	1	\$1,025.00	\$123,000.00	120.000 LF	N	PRESTRESSED CONCRETE PILING, 24" SQ W/FRP OR STAINLESS STEEL STRAND AND REINFORCING
0455 34336	1	\$225.00	\$2,501,550.00	11,118.000 LF	N	PRESTRESSED CONCRETE PILING, INCLUDES 100% DYNAMIC TESTING, PROJECT429936-2-52-01, SIZE 30"
0455 35 14	1	\$79.00	\$30,652.00	388.000 LF	N	STEEL PILING, HP 16 X 141
0455 76	3	\$695.07	\$336,413.12	484.000 EA	N	WRAP PILE CLUSTERS
0455 87	1	\$2,875.00	\$23,000.00	8.000 EA	N	ANCHOR BAR, STEEL
0455 88 4	1	\$505.00	\$272,195.00	539.000 LF	N	DRILLED SHAFT, 42" DIA
0455 88 5	2	\$701.86	\$6,742,795.00	9,607.000 LF	N	DRILLED SHAFT, 48" DIA
0455 89 4	1	\$9,375.00	\$65,625.00	7.000 EA	N	DRILLED SHAFT TIP GROUTING 42" DIAMETER
0455 89 5	1	\$10,400.00	\$873,600.00	84.000 EA	N	DRILLED SHAFT TIP GROUTING 48" DIAMETER
0455107 5	1	\$430.00	\$592,110.00	1,377.000 LF	N	DRILLED SHAFT CASING, 48" DIAMETER
0455111	1	\$80.00	\$19,200.00	240.000 LF	N	CORE-PILOT HOLE, DRILLED SHAFT EXCAVATION
0455119105	1	\$640,000.00	\$640,000.00	1.000 EA	N	LOAD TEST-STATIC, COMPRESSION,1201-1800 TONS
0455120 7	1	\$1,500.00	\$57,000.00	38.000 EA	N	PILE POINT PROTECTION, 24" ROUND
0455122 4	1	\$315.00	\$169,785.00	539.000 LF	N	EXCAVATION UNCLASSIFIED SHAFT, 42" DIA
0455122 5	2	\$311.80	\$2,944,005.00	9,442.000 LF	N	EXCAVATION UNCLASSIFIED SHAFT, 48" DIA
0455133 2	7	\$22.72	\$3,288,915.05	144,735.000 SF	N	SHEET PILING STEEL, TEMPORARY-CRITICAL
0455133 3	3	\$73.85	\$3,793,459.60	51,368.000 SF	N	SHEET PILING STEEL, F&I PERMANENT
0455143 3	2	\$318.28	\$118,400.00	372.000 LF	N	TEST PILES-PRESTRESSED CONCRETE,18" SQ
0455143 5	5	\$412.49	\$664,110.00	1,610.000 LF	N	TEST PILES-PRESTRESSED CONCRETE,24" SQ
0455143 6	2	\$299.61	\$3,139,047.56	10,477.000 LF	N	TEST PILES-PRESTRESSED CONCRETE,30" SQ
0455143 23	1	\$455.00	\$490,945.00	1,079.000 LF	N	TEST PILES-PRESTRESSED CONCRETE,18" SQ W/ FRP OR STAINLESS STEEL STRAND AND REINFORCING
0455144 22	1	\$575.00	\$342,125.00	595.000 LF	N	TEST PILES - STEEL, 24" DIA PIPE
0455147 1	2	\$2,835.29	\$337,400.00	119.000 EA	N	THERMAL INTEGRITY TESTING, UP TO 4' SHAFT DIAMETER
0457 1 12	1	\$587.42	\$372,424.28	634.000 LF	N	STANDARD INTEGRAL PILE JACKET, NON-STRUCTURAL, 16.1 to 30.0"
0457 1 22	4	\$1,027.21	\$897,779.68	874.000 LF	N	STANDARD INTEGRAL PILE JACKET, STRUCTURAL, 16.1 to 30.0"
0457 2121	2	\$1,633.33	\$68,600.00	42.000 LF	N	CATHODIC PROTECTION INTEGRAL PILE JACKET, NON-STRUCTURAL, 16.1-30.", GALVANIC SYSTEM

0465 71 3	2	\$32,500.00	\$65,000.00	2.000 LS	N	MOVABLE BRIDGE FUNCTIONAL CHECKOUT, PHASE C
0471 1 1	3	\$20,632.40	\$963,533.12	46.700 MB	N	FENDER SYSTEM,PLASTIC MARINE LUMBER,REINFORCED
0471 1 2	4	\$22,470.65	\$379,754.02	16.900 MB	N	FENDER SYSTEM,PLASTIC MARINE LUMBER, NON-REINFORCED
0471 3 3	2	\$754,559.15	\$1,509,118.29	2.000 LS	N	POLYMERIC FENDER SYSTEM, 201-400 KIP-FT
0506 2	2	\$234.55	\$425,700.00	1,815.000 LF	N	BRIDGE DRAINAGE PIPE
0506 3	2	\$4,248.00	\$106,200.00	25.000 EA	N	BRIDGE DRAINS
0508 4	1	\$408,000.00	\$408,000.00	1.000 LS	N	MOVABLE BRIDGE ELECTRICAL EQUIPMENT, REHABILITATION
0508 73 1	2	\$2,460.43	\$1,710,000.00	695.000 LF	N	SUBMARINE CABLE ASSEMBLY, FURNISH & INSTALL
0508 73 4	2	\$128.11	\$52,526.00	410.000 LF	N	SUBMARINE CABLE ASSEMBLY, REMOVE
0510 1	3	\$50,171.92	\$150,515.77	3.000 LS	N	NAVIGATION LIGHTS- FIXED BRIDGE, SYSTEM
0510 1 1	1	\$99,000.00	\$99,000.00	1.000 LS	N	NAVIGATION LIGHTS- FIXED BRIDGE, SYSTEM, SOLAR
0515 1 1	4	\$77.55	\$140,356.65	1,810.000 LF	N	PIPE HANDRAIL - GUIDERAIL, STEEL
0515 1 2	24	\$53.18	\$376,047.24	7,071.000 LF	N	PIPE HANDRAIL - GUIDERAIL, ALUMINUM
0515 2111	2	\$122.10	\$24,419.20	200.000 LF	N	PEDESTRIAN / BICYCLE RAILING, NS, 42" TYPE 1
0515 2211	2	\$126.02	\$74,979.30	595.000 LF	N	PEDESTRIAN / BICYCLE RAILING, STEEL, 42" TYPE 1
0515 2311	7	\$115.17	\$1,800,272.14	15,632.000 LF	N	PEDESTRIAN/ BICYCLE RAILING, ALUMINUM ONLY,42" TYPE 1
0515 4 1	3	\$45.59	\$23,934.60	525.000 LF	N	BULLET RAIL, SINGLE RAIL
0515 4 2	1	\$66.20	\$21,581.20	326.000 LF	N	BULLET RAIL, DOUBLE RAIL
0519 78	4	\$1,551.39	\$138,073.30	89.000 EA	N	BOLLARDS
0520 1 7	37	\$30.48	\$1,239,721.82	40,670.000 LF	N	CONCRETE CURB & GUTTER, TYPE E
0520 1 10	63	\$29.29	\$2,858,457.41	97,575.000 LF	N	CONCRETE CURB & GUTTER, TYPE F
0520 1 12	1	\$39.25	\$5,848.25	149.000 LF	N	CONCRETE CURB & GUTTER, TYPE F WITH SPECIAL GUTTER PROFILE
0520 2 1	3	\$29.49	\$17,605.15	597.000 LF	N	CONCRETE CURB, TYPE A
0520 2 2	6	\$46.01	\$104,300.06	2,267.000 LF	N	CONCRETE CURB, TYPE B
0520 2 4	22	\$34.39	\$181,924.39	5,290.000 LF	N	CONCRETE CURB, TYPE D
0520 3	3	\$42.04	\$63,099.60	1,501.000 LF	N	VALLEY GUTTER- CONCRETE
0520 4	3	\$3.20	\$9,929.00	3,107.000 LF	N	CURB-CONCRETE PAVEMENT JOINT
0520 5 11	11	\$55.31	\$169,586.80	3,066.000 LF	N	TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE
0520 5 12	2	\$151.17	\$14,965.41	99.000 LF	N	TRAFFIC SEPARATOR CONCRETE-TYPE I, 6' WIDE
0520 5 16	1	\$199.91	\$2,598.83	13.000 LF	N	TRAFFIC SEPARATOR CONCRETE- TYPE I, 8.5' WIDE
0520 5 22	1	\$87.00	\$8,265.00	95.000 LF	N	TRAFFIC SEPARATOR - CONCRETE, TYPE II, 6' WIDE
0520 5 41	5	\$55.06	\$138,738.60	2,520.000 LF	N	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE
0520 6	18	\$29.87	\$719,139.08	24,076.000 LF	N	SHOULDER GUTTER- CONCRETE

0520 70	13	\$92.75	\$180,676.64	1,948.000 SY	N	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH
0521 1 11	3	\$94.55	\$481,913.55	5,097.000 LF	N	MEDIAN CONCRETE BARRIER, 38" HEIGHT
0521 1 12	3	\$148.15	\$990,106.00	6,683.000 LF	N	MEDIAN CONCRETE BARRIER, SHORT GRADE-SEPARATED
0521 1 13	1	\$310.00	\$1,535,120.00	4,952.000 LF	N	MEDIAN CONCRETE BARRIER, TALL GRADE-SEPARATED
0521 5 4	1	\$120.00	\$41,160.00	343.000 LF	N	CONCRETE TRAFFIC RAILING- BRIDGE, 32" VERTICAL FACE
0521 5 12	2	\$101.61	\$163,600.00	1,610.000 LF	N	CONCRETE TRAFFIC RAILING- BRIDGE, 36" MEDIAN SINGLE SLOPE
0521 5 13	10	\$103.07	\$3,280,398.40	31,826.000 LF	N	CONCRETE TRAFFIC RAILING- BRIDGE, 36" SINGLE-SLOPE
0521 6 11	3	\$94.11	\$101,642.40	1,080.000 LF	N	CONCRETE PARAPET, PEDESTRIAN/BICYCLE, 27" HEIGHT
0521 6 34	1	\$300.00	\$362,100.00	1,207.000 LF	N	CONCRETE PARAPET, RETAINING WALL SYSTEM MOUNTED W/SIDEWALK, CURB
0521 8 3	2	\$393.64	\$217,680.60	553.000 LF	N	CONCRETE TRAFFIC RAILING BARRIER, WITH JUNCTION SLAB, 32" VERTICAL FACE
0521 8 7	7	\$359.61	\$3,633,470.36	10,104.000 LF	N	CONCRETE BARRIER, WITH JUNCTION SLAB, 36" SINGLE SLOPE
0521 72 40	7	\$297.12	\$1,245,234.15	4,191.000 LF	N	SHOULDER CONCRETE BARRIER, 38" OR 44" HEIGHT
0521 72 41	1	\$290.00	\$31,030.00	107.000 LF	N	SHOULDER CONCRETE BARRIER, RETAINING SECTION
0521 72 43	2	\$322.60	\$84,845.06	263.000 LF	N	SHOULDER CONCRETE BARRIER, CURB AND GUTTER BARRIER
0521 72 56	1	\$300.00	\$128,700.00	429.000 LF	N	SHOULDER CONCRETE BARRIER, 56" PIER PROTECTION BARRIER/CRASH WALL
0522 1	64	\$51.28	\$5,909,122.43	115,230.000 SY	N	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK
0522 2	75	\$57.39	\$4,456,024.10	77,646.000 SY	N	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK
0522 3	3	\$150.66	\$3,917.28	26.000 SY	N	BUS BOARDING PAD- CONCRETE
0522 4	2	\$66.54	\$5,922.00	89.000 SY	N	BUS SHELTER PAD- CONCRETE
0523 1	3	\$110.58	\$103,498.97	936.000 SY	N	PATTERNED PAVEMENT, VEHICULAR AREAS
0524 1 1	7	\$100.05	\$44,120.84	441.000 SY	N	CONCRETE DITCH PAVT, NON REINFORCED, 3"
0524 1 2	12	\$60.23	\$353,099.98	5,863.000 SY	N	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"
0524 1 4	3	\$68.12	\$164,780.24	2,419.000 SY	N	CONCRETE DITCH PAVEMENT, NON REINFORCED, 6"
0524 1 19	1	\$177.98	\$4,271.52	24.000 SY	N	CONCRETE DITCH PAVT, 3", REINFORCED
0524 1 29	6	\$80.21	\$181,987.14	2,269.000 SY	N	CONCRETE DITCH PAVEMENT, 4", REINFORCED
0524 2 1	1	\$83.00	\$14,027.00	169.000 SY	N	CONCRETE SLOPE PAVEMENT, NON REINFORCED, 3"
0524 2 2	4	\$81.14	\$71,239.57	878.000 SY	N	CONCRETE SLOPE PAVEMENT, NON REINFORCED, 4"
0524 2 49	1	\$125.11	\$625.55	5.000 SY	N	CONCRETE SLOPE PAVEMENT, 6", REINFORCED
0525 1	1	\$108.30	\$974.70	9.000 LF	N	ASPHALTIC CONCRETE CURB- TO REMAIN
0526 1 1	2	\$207.67	\$1,453.68	7.000 SY	N	PAVERS, ARCHITECTURAL, ROADWAY
0526 1 2	5	\$130.09	\$96,265.49	740.000 SY	N	PAVERS, ARCHITECTURAL, SIDEWALK

0527 2	69	\$33.60	\$1,138,964.38	33,902.000 SF	N	DETECTABLE WARNINGS
0530 1100	6	\$553.61	\$122,070.00	220.500 CY	N	RIPRAP, SAND-CEMENT BAGS
0530 3 3	13	\$131.36	\$4,148,651.93	31,583.000 TN	N	RIPRAP- RUBBLE, BANK AND SHORE
0530 3 4	20	\$136.71	\$326,187.00	2,386.000 TN	N	RIPRAP, RUBBLE, F&I, DITCH LINING
0530 4 4	2	\$259.58	\$186,900.00	720.000 SY	N	ARTICULATING CONCRETE BLOCK REVETMENT SYSTEM, THICKNESS 4"
0530 74	19	\$130.94	\$1,452,405.80	11,091.800 TN	N	BEDDING STONE
0536 1 0	4	\$21.49	\$26,130.50	1,216.000 LF	N	GUARDRAIL -ROADWAY, GENERAL/LOW SPEED TL-2
0536 1 1	37	\$27.10	\$1,725,177.65	63,668.000 LF	N	GUARDRAIL -ROADWAY, GENERAL TL-3
0536 1 3	9	\$42.94	\$1,138,616.48	26,518.000 LF	N	GUARDRAIL- ROADWAY, DOUBLE FACE
0536 5 1	3	\$14.23	\$480,802.49	33,789.000 LF	N	RUB RAIL FOR GUARDRAIL, SINGLE SIDED RUB RAIL
0536 5 2	4	\$28.97	\$85,422.19	2,949.000 LF	N	RUBRAIL FOR GUARDRAIL, DOUBLE SIDED RUB RAIL
0536 6	11	\$22.91	\$180,781.30	7,892.000 LF	N	PIPE RAIL FOR GUARDRAIL
0536 7 1	4	\$184.16	\$51,933.16	282.000 EA	N	SPECIAL GUARDRAIL POST- DEEP POST FOR SLOPE BREAK CONDITION- TIMBER OR STEEL
0536 7 2	11	\$335.11	\$60,654.72	181.000 EA	N	SPECIAL GUARDRAIL POST- SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT
0536 7 3	7	\$192.30	\$5,576.67	29.000 EA	N	SPECIAL GUARDRAIL POST- ENCASED POST FOR SHALLOW MOUNT
0536 8111	1	\$2,900.00	\$11,600.00	4.000 EA	N	GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, F&I- INDEX 536-001, APPROACH TL-2
0536 8112	12	\$3,632.97	\$112,622.20	31.000 EA	N	GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, F&I- INDEX 536-001, APPROACH TL-3
0536 8113	4	\$2,564.02	\$17,948.16	7.000 EA	N	GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, F&I- INDEX 536-001, TRAILING
0536 8122	17	\$3,836.30	\$257,032.06	67.000 EA	N	GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, F&I- INDEX 536-002, APPROACH TL-3
0536 8123	10	\$2,733.10	\$76,526.77	28.000 EA	N	GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, F&I- INDEX 536-002, TRAILING
0536 73	35	\$2.32	\$168,642.92	72,541.000 LF	N	GUARDRAIL REMOVAL
0536 85 20	28	\$1,619.65	\$197,597.29	122.000 EA	N	GUARDRAIL END TREATMENT- TRAILING ANCHORAGE
0536 85 24	37	\$3,263.46	\$522,153.53	160.000 EA	N	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL
0536 85 26	1	\$3,630.00	\$3,630.00	1.000 EA	N	GUARDRAIL END TREATMENT- TYPE CRT
0536 85 27	5	\$12,863.62	\$102,908.93	8.000 EA	N	GUARDRAIL END TREATMENT- DOUBLE FACE APPROACH TERMINAL

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Page:

Florida Department of Transportation
Item Average Unit Cost
From 2020/01/01 to 2020/12/31

5

Contract Type: ALL Statewide
Displaying: VALID ITEMS WITH HITS
From: 0102 1 To: 9999999999

Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0334 1 13	115	\$98.16	\$39,435,212.16	401,731.300	TN	N	SUPERPAVE ASPHALTIC CONC, TRAFFIC C
0334 1 14	23	\$97.40	\$6,915,341.96	70,998.000	TN	N	SUPERPAVE ASPHALTIC CONC, TRAFFIC D
0334 1 15	2	\$119.71	\$449,875.00	3,758.000	TN	N	SUPERPAVE ASPHALTIC CONC, TRAFFIC E
0334 1 52	29	\$99.88	\$15,755,544.60	157,741.500	TN	N	SUPERPAVE ASPH CONC, TRAF B, PG76-22
0334 1 53	59	\$98.16	\$48,535,421.01	494,432.900	TN	N	SUPERPAVE ASPH CONC, TRAF C, PG76-22
0334 1 54	29	\$102.47	\$29,488,247.36	287,761.100	TN	N	SUPERPAVE ASPH CONC, TRAF D, PG76-22
0334 1 55	8	\$96.79	\$24,767,581.58	255,900.900	TN	N	SUPERPAVE ASPH CONC, TRAF E, PG76-22
0334 1 57	2	\$117.10	\$4,633,377.47	39,566.400	TN	N	SUPERPAVE ASPH CONC, TRAF C, HIGH POLYME
0334 1 58	3	\$125.16	\$2,174,902.25	17,376.800	TN	N	SUPERPAVE ASPH CONC, TRAF D, HIGH POLYM
0337 7 25	86	\$135.78	\$50,633,888.54	372,903.000	TN	N	ASPH CONC FC,INC BIT,FC-5,PG76-22
0337 7 26	4	\$147.66	\$2,687,897.24	18,203.300	TN	N	ASPH CONC FC,FC-5,FC-5, HIGH POLYMER
0337 7 80	24	\$106.87	\$10,067,730.47	94,201.800	TN	N	ASPH CONC FC,TRAFFIC B,FC-9.5,PG 76-22
0337 7 81	26	\$115.21	\$7,299,443.20	63,359.500	TN	N	ASPH CONC FC,TRAFFIC B,FC-12.5,PG 76-22
0337 7 82	59	\$149.40	\$7,872,410.48	52,693.000	TN	N	ASPH CONC FC,TRAFFIC C,FC-9.5,PG 76-22
0337 7 83	102	\$113.11	\$41,822,858.52	369,741.176	TN	N	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22
0337 7 85	17	\$130.03	\$2,311,289.47	17,775.300	TN	N	ASPH CONC FC,TRAFFIC D,FC-12.5,PG 76-22
0337 7 88	1	\$212.00	\$189,824.80	895.400	TN	N	ASPH CONC FC,TRAFFIC E,FC-12.5,PG 76-22
0337 7 93	2	\$143.56	\$1,362,926.53	9,494.000	TN	N	ASPH CONC FC,TRAF C,FC-12.5,HIGH POLYMER
0337 7 94	2	\$123.65	\$231,268.60	1,870.400	TN	N	ASPH CONC FC,TRAF D,FC-12.5,HIGH POLYMER
0339 1	121	\$179.48	\$4,129,871.07	23,010.300	TN	N	MISCELLANEOUS ASPHALT PAVEMENT
0350 3 1	2	\$83.51	\$248,692.00	2,978.000	SY	N	PLAIN CEMENT CONC PAVT, 6"
0350 3 3	1	\$88.00	\$1,396,648.00	15,871.000	SY	N	PLAIN CEMENT CONC PAVT, 7"
0350 3 5	2	\$88.18	\$174,248.86	1,976.000	SY	N	PLAIN CEMENT CONC PAVT, 8"
0350 3 6	2	\$115.54	\$873,695.00	7,562.000	SY	N	PLAIN CEMENT CONC PAVT, 8.5"
0350 3 7	2	\$83.05	\$3,880,412.00	46,723.000	SY	N	PLAIN CEMENT CONC PAVT, 9"
0350 3 8	2	\$65.73	\$3,695,166.00	56,220.000	SY	N	PLAIN CEMENT CONC PAVT, 9.5"
0350 3 9	1	\$112.00	\$1,426,880.00	12,740.000	SY	N	PLAIN CEMENT CONC PAVT, 10"
0350 3 11	1	\$152.00	\$699,504.00	4,602.000	SY	N	PLAIN CEMENT CONC PAVT, 11"
0350 5	6	\$2.77	\$556,194.05	200,862.000	LF	N	CLEANING & SEALING JOINTS - CONC PVMT
0350 6	1	\$20.00	\$200.00	10.000	LF	N	CLEANING & SEALING CRACKS - CONC PVMT
0350 30 13	5	\$264.42	\$431,541.50	1,632.000	SY	N	CONC PAVEMENT FOR ROUNDABOUT APRON, 12"
0352 70	8	\$5.02	\$759,543.30	151,281.000	SY	N	GRINDING CONCRETE PAVT
0353 70	1	\$600.00	\$432,600.00	721.000	CY	N	CONC PAVT SLAB REPLACEMENT
0370 1	1	\$90.00	\$5,400.00	60.000	LF	N	BRIDGE APPR EXP JOINT FOR CONC PVMT
0400 0 11	41	\$587.32	\$5,413,423.58	9,217.200	CY	N	CONC CLASS NS, GRAVITY WALL
0400 0 13	2	\$2,077.30	\$53,386.50	25.700	CY	N	CONC CLASS NS, STEPS
0400 1 11	3	\$1,531.61	\$555,820.28	362.900	CY	N	CONC CLASS I, RETAINING WALLS
0400 2 1	11	\$1,553.74	\$2,052,331.05	1,320.900	CY	N	CONC CLASS II, CULVERTS
0400 2 4	13	\$729.35	\$4,828,655.81	6,620.500	CY	N	CONC CLASS II, BRIDGE SUPERSTRUCTURE
0400 2 5	3	\$1,476.72	\$621,700.00	421.000	CY	N	CONC CLASS II, BRIDGE SUBSTRUCTURE

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Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0413149	4	\$63.05	\$11,475.00	182.000	GA	N	PENETRANT SEALER
0413151	13	\$61.26	\$294,310.00	4,804.000	GA	N	METHACRYLATE MONOMER
0413154	14	\$1.25	\$612,215.66	489,777.000	SF	N	CLEAN & SEAL CONC- PENETR OR METHACR
0415 1 1	16	\$1.30	\$1,023,494.17	785,733.000	LB	N	REINF STEEL- ROADWAY
0415 1 3	5	\$1.33	\$208,241.53	156,758.000	LB	N	REINF STEEL- RETAINING WALL
0415 1 4	18	\$.95	\$1,665,355.57	1,754,835.000	LB	N	REINF STEEL- SUPERSTRUCTURE
0415 1 5	18	\$.97	\$1,743,137.19	1,790,836.000	LB	N	REINF STEEL- SUBSTRUCTURE
0415 1 6	6	\$1.79	\$40,088.72	22,355.000	LB	N	REINF STEEL- MISCELLANEOUS
0415 1 8	6	\$1.25	\$53,343.16	42,736.000	LB	N	REINF STEEL- BULKHEAD
0415 1 9	14	\$.99	\$310,694.11	312,879.000	LB	N	REINF STEEL- APPROACH SLABS
0415 2 5	2	\$6.36	\$3,510.00	552.000	LB	N	STAINLESS REINFORCING STEEL, SUB
0415 10 4	2	\$3.98	\$17,572.00	4,412.000	LF	N	FIBER REINFORCED POLYMER BARS, #4 BAR
0415 10 5	1	\$3.50	\$2,527.00	722.000	LF	N	FIBER REINFORCED POLYMER BARS, #5 BAR
0415 10 6	1	\$4.00	\$9,152.00	2,288.000	LF	N	FIBER REINFORCED POLYMER BARS, #6 BAR
0425 1201	13	\$4,439.87	\$177,594.67	40.000	EA	N	INLETS, CURB, TYPE 9, <10'
0425 1203	3	\$8,640.00	\$25,920.00	3.000	EA	N	INLETS, CURB, TYPE 9, J BOT, <10'
0425 1204	1	\$6,216.00	\$6,216.00	1.000	EA	N	INLETS, CURB, TYPE 9, J BOT, >10'
0425 1205	3	\$2,941.03	\$8,823.09	3.000	EA	N	INLETS, CURB, TYPE 9, PARTIAL
0425 1311	17	\$7,186.04	\$596,441.42	83.000	EA	N	INLETS, CURB, TYPE P-1, <10'
0425 1312	2	\$7,635.00	\$30,540.00	4.000	EA	N	INLETS, CURB TYPE P-1, >10'
0425 1315	3	\$4,718.00	\$23,590.00	5.000	EA	N	INLETS, CURB TYPE P-1, PARTIAL
0425 1321	8	\$7,229.76	\$86,757.08	12.000	EA	N	INLETS, CURB, TYPE P-2, <10'
0425 1322	1	\$5,500.00	\$5,500.00	1.000	EA	N	INLETS, CURB, TYPE P-2, >10'
0425 1325	2	\$5,847.81	\$17,543.43	3.000	EA	N	INLETS, CURB, TYPE P-2, PARTIAL
0425 1331	7	\$8,017.70	\$112,247.78	14.000	EA	N	INLETS, CURB, TYPE P-3, <10'
0425 1332	1	\$6,432.00	\$6,432.00	1.000	EA	N	INLETS, CURB, TYPE P-3, >10'
0425 1335	2	\$6,995.00	\$104,925.00	15.000	EA	N	INLETS, CURB, TYPE P-3, PARTIAL
0425 1341	7	\$7,140.25	\$149,945.35	21.000	EA	N	INLETS, CURB, TYPE P-4, <10'
0425 1345	4	\$5,484.42	\$307,127.60	56.000	EA	N	INLETS, CURB, TYPE P-4, PARTIAL
0425 1351	54	\$5,082.59	\$2,805,590.89	552.000	EA	N	INLETS, CURB, TYPE P-5, <10'
0425 1352	5	\$8,330.43	\$249,913.00	30.000	EA	N	INLETS, CURB, TYPE P-5, >10'
0425 1355	17	\$4,069.35	\$227,883.83	56.000	EA	N	INLETS, CURB, TYPE P-5, PARTIAL
0425 1359	5	\$7,150.35	\$128,706.28	18.000	EA	N	INLETS, CURB, TYPE P-5, MODIFY
0425 1361	36	\$5,728.45	\$1,082,676.29	189.000	EA	N	INLETS, CURB, TYPE P-6, <10'
0425 1362	4	\$9,084.34	\$190,771.08	21.000	EA	N	INLETS, CURB, TYPE P-6, >10'
0425 1365	12	\$4,434.57	\$128,602.43	29.000	EA	N	INLETS, CURB, TYPE P-6, PARTIAL
0425 1369	6	\$5,966.81	\$137,236.63	23.000	EA	N	INLETS, CURB, TYPE P-6, MODIFY
0425 1411	2	\$8,300.00	\$16,600.00	2.000	EA	N	INLETS, CURB TYPE J-1, <10'
0425 1412	1	\$7,106.00	\$35,530.00	5.000	EA	N	INLETS, CURB, TYPE J-1, >10'
0425 1421	1	\$8,780.00	\$8,780.00	1.000	EA	N	INLETS, CURB, TYPE J-2, <10'

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Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0450 83 2	1	\$2,500.00	\$12,500.00	5.000	EA	N	BEAM REPAIR, BAR SPLICES
0451 70	1	\$5,000.00	\$180,000.00	36.000	EA	N	PREST SOIL ANCHORS
0451 70 1	2	\$832.00	\$41,600.00	50.000	EA	N	PREST SOIL ANCHOR, PERFORMANCE TEST
0451 70 2	2	\$1,444.44	\$39,000.00	27.000	EA	N	PREST SOIL ANCHOR, CREEP TEST
0455 34 3	4	\$141.55	\$2,772,968.20	19,590.000	LF	N	PRESTRESSED CONCRETE PILING, 18" SQ
0455 34 5	1	\$158.00	\$455,672.00	2,884.000	LF	N	PRESTRESSED CONCRETE PILING, 24" SQ
0455 35 8	1	\$243.50	\$118,341.00	486.000	LF	N	STEEL PILING, HP 14 X 117
0455 35 22	1	\$225.00	\$298,125.00	1,325.000	LF	N	STEEL PILING, 24" DIA. PIPE
0455 76	3	\$351.94	\$210,460.00	598.000	EA	N	WRAP PILE CLUSTERS
0455 81101	1	\$2,000.00	\$2,000.00	1.000	EA	N	CATHODIC PROT,F&I,PILE,ZINC ANODE ASSEM
0455 81102	1	\$1,750.00	\$224,000.00	128.000	EA	N	CATHODIC PROT,F&I,PILE,ZINC ANODE ASSEM
0455 87	1	\$235.00	\$4,230.00	18.000	EA	N	ANCHOR BAR, STEEL
0455 88 4	1	\$378.00	\$1,576,638.00	4,171.000	LF	N	DRILLED SHAFT, 42" DIA
0455101 1	1	\$168,000.00	\$336,000.00	2.000	EA	N	TEST LOAD, BIDIRECT CELL, < FIVE CELLS
0455111	1	\$45.00	\$86,085.00	1,913.000	LF	N	CORE-PILOT HOLE,DRILLED SHAFT EXCAV
0455122 4	1	\$126.00	\$580,860.00	4,610.000	LF	N	UNCLASSIFIED SHAFT EXCAVATION, 42" DIA
0455133 2	14	\$21.89	\$8,967,156.64	409,676.000	SF	N	SHEET PILING STEEL, TEMPORARY-CRITICAL
0455133 3	10	\$29.32	\$4,471,775.88	152,528.000	SF	N	SHEET PILING STEEL, F&I PERMANENT
0455137 1	2	\$1,761.02	\$482,520.00	274.000	EA	N	LOAD TEST (DYNAMIC), INTERNAL GAUGES
0455143 3	3	\$210.60	\$502,922.00	2,388.000	LF	N	TEST PILES-PREST CONCRETE,18" SQ
0455143 5	3	\$240.94	\$978,210.00	4,060.000	LF	N	TEST PILES-PREST CONCRETE,24" SQ
0455144 22	2	\$447.71	\$248,476.75	555.000	LF	N	TEST PILES - STEEL, 24" DIA PIPE
0455147 1	1	\$3,990.00	\$247,380.00	62.000	EA	N	THERMAL INTEGRITY TESTING, UP TO 4' SHAF
0457 1 11	1	\$900.00	\$14,400.00	16.000	LF	N	STD INTEGRAL PILE JKT, NON-STR, UP TO 16
0457 1 12	3	\$962.46	\$324,350.00	337.000	LF	N	STD INTEGRAL PILE JKT, NON-STR, 16 to 30
0457 1 21	2	\$577.32	\$326,185.00	565.000	LF	N	STD INTEGRAL PILE JKT, STR, UP TO 16
0457 1 22	2	\$570.94	\$3,344,005.00	5,857.000	LF	N	STD INTEGRAL PILE JKT, STR, 16 to 30
0457 2121	1	\$2,700.00	\$81,000.00	30.000	LF	N	CATH PROT INTE PILE JA, NON-STR, 16.1-30
0457 2221	7	\$1,390.89	\$6,745,813.80	4,850.000	LF	N	CATH PROT INTE PILE JA, STR, 16.1-30
0457 2231	1	\$1,750.00	\$1,102,500.00	630.000	LF	N	CATH PROT INT PILE JKT, >30", GALV SYS
0458 1 11	12	\$100.95	\$204,331.00	2,024.000	LF	N	BRIDGE DECK EXPANSION JNT,NEW,POURED
0458 1 12	2	\$419.29	\$85,115.00	203.000	LF	N	BRIDGE DECK EXPANSION JNT,NEW,STRIP SEAL
0458 1 21	40	\$43.31	\$734,601.64	16,962.000	LF	N	BRIDGE DECK EXPANSION JNT, REHAB,POURED
0458 1 22	3	\$251.90	\$162,475.60	645.000	LF	N	BRIDGE DECK EXPANSION JNT, REHAB,STRIP
0458 1 23	1	\$3,000.00	\$30,000.00	10.000	LF	N	BRIDGE DECK EXPANSION JNT, REHAB,MODULAR
0458 1 24	1	\$2,500.00	\$25,000.00	10.000	LF	N	BRIDGE DECK EXPAN JNT,REHAB,FINGER JNT
0458 1 25	1	\$200.00	\$8,000.00	40.000	LF	N	BRIDGE DECK EXPAN JNT, REHAB,COMPRESSION
0458 1 27	1	\$350.00	\$3,500.00	10.000	LF	N	BRIDGE DECK EXPANSION JNT, REHAB,DRILL &
0458 1 30	1	\$100.00	\$1,000.00	10.000	LF	N	BRIDGE DECK EXPANSION JNT, CLEAN JOINT
0458 1 40	1	\$6.00	\$7,200.00	1,200.000	LF	N	BRIDGE DECK EXPANSION JNT,HOT POUR E2Z99

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Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0506 3	2	\$888.00	\$13,320.00	15.000	EA	N	BRIDGE DRAINS
0506 72	1	\$75.00	\$4,500.00	60.000	EA	N	BRIDGE DRAINS- POWER CLEAN
0507 70	1	\$185.00	\$27,380.00	148.000	SF	N	ALUMINUM SIDEWALK FLOOR
0508 2 5	1	\$7,300.00	\$14,600.00	2.000	AS	N	MOVABLE BRIDGE GATE, ADJUST/MODIFY/REHAB
0508 3 1	1	\$5,500.00	\$11,000.00	2.000	AS	N	MOVABLE BRIDGE - SIGNAL, F&I
0508 3 6	1	\$550.00	\$1,100.00	2.000	AS	N	MOVABLE BRIDGE - SIGNAL, REMOVE & DISPO
0508 4	4	\$90,233.33	\$541,400.00	6.000	LS	N	MOVABLE BRIDGE ELECTRICAL EQUIP, REHAB
0508 73 1	2	\$2,575.00	\$697,824.70	271.000	LF	N	SUBMARINE CABLE ASSEMBLY, F & I
0508 73 4	1	\$16.50	\$1,320.00	80.000	LF	N	SUBMARINE CABLE ASSEMBLY, REMOVE
0508 76 1	1	\$300,000.00	\$600,000.00	2.000	LS	N	MOVABLE BRIDGE-REHAB, SPAN MOTORS, F&I
0508 76 4	1	\$5,000.00	\$10,000.00	2.000	LS	N	MOVABLE BRIDGE-REHAB, SPAN MOTORS, REM
0508 77 1	1	\$220,000.00	\$220,000.00	1.000	EA	N	MOVABLE BRIDGE-REHAB, PROG LOGIC, F&I
0508 77 4	1	\$3,900.00	\$3,900.00	1.000	EA	N	MOVABLE BRIDGE-REHAB, PROG LOGIC, REMOVE
0508 77 5	1	\$56,000.00	\$56,000.00	1.000	EA	N	MOVABLE BRIDGE-REHAB, PROG LOGIC
0508 78 1	1	\$11,500.00	\$11,500.00	1.000	LS	N	MOVABLE BRIDGE-REHAB, LIMIT SWITCH, F&I
0508 78 4	1	\$11,500.00	\$11,500.00	1.000	LS	N	MOVABLE BRIDGE-REHAB, LIMIT SWITCH
0508 79 1	1	\$86,000.00	\$86,000.00	1.000	EA	N	MOVABLE BRIDGE-REHAB, CONTROL CONSOLE, F&I
0508 79 4	1	\$3,500.00	\$3,500.00	1.000	EA	N	MOVABLE BRIDGE-REHAB, CONTROL CONSOLE, REM
0510 1	4	\$51,909.20	\$259,546.00	5.000	LS	N	NAVIGATION LIGHTS- FIXED BRIDGE, SYSTEM
0515 1 1	19	\$84.37	\$604,981.90	7,171.000	LF	N	PIPE HANDRAIL - GUIDERAIL, STEEL
0515 1 2	48	\$53.59	\$590,556.90	11,019.000	LF	N	PIPE HANDRAIL - GUIDERAIL, ALUMINUM
0515 1 41	1	\$80.00	\$3,200.00	40.000	LF	N	PIPE HANDRAIL - GUIDERAIL, RELOCATE, STE
0515 1 42	3	\$60.06	\$5,285.00	88.000	LF	N	PIPE HANDRAIL - GUIDERAIL, RELOCAT, ALUM
0515 2111	1	\$147.00	\$73,500.00	500.000	LF	N	PED/BICYCLE RAILING, NS, 42" TYPE 1
0515 2211	10	\$82.61	\$375,962.70	4,551.000	LF	N	PED/BICYCLE RAILING, STL, 42" TYPE 1
0515 2311	14	\$66.84	\$665,793.74	9,961.000	LF	N	PED/BICYCLE RAILING, ALUM, 42" TYPE 1
0515 2321	2	\$77.86	\$2,725.00	35.000	LF	N	PED/BICYCLE RAILING, ALUM, 54" TYPE 1
0515 2500	2	\$40.40	\$4,040.00	100.000	LF	N	PEDESTRIAN / BICYCLE RAILING, RELOCATE
0515 4 1	6	\$36.09	\$154,037.16	4,268.000	LF	N	BULLET RAIL, SINGLE RAIL
0515 4 2	6	\$34.72	\$164,503.36	4,738.000	LF	N	BULLET RAIL, DOUBLE RAIL
0519 78	7	\$1,401.10	\$175,138.00	125.000	EA	N	BOLLARDS
0520 1 7	71	\$23.65	\$4,635,454.42	195,984.000	LF	N	CONCRETE CURB & GUTTER, TYPE E
0520 1 10	162	\$24.84	\$6,969,117.96	280,576.000	LF	N	CONCRETE CURB & GUTTER, TYPE F
0520 1 11	1	\$39.91	\$3,512.08	88.000	LF	N	CONCRETE CURB & GUTTER, VAR HT TYPE F
0520 1 12	3	\$31.23	\$10,805.00	346.000	LF	N	CONCRETE CURB & GUTTER, TYPE F W/SP GUTT
0520 2 1	7	\$38.37	\$144,890.35	3,776.000	LF	N	CONCRETE CURB, TYPE A
0520 2 2	21	\$29.21	\$490,534.70	16,791.000	LF	N	CONCRETE CURB, TYPE B
0520 2 4	69	\$23.07	\$942,398.46	40,852.000	LF	N	CONCRETE CURB, TYPE D
0520 2 8	8	\$33.52	\$65,257.04	1,947.000	LF	N	CONCRETE CURB, TYPE RA
0520 3	25	\$30.34	\$194,698.68	6,417.000	LF	N	VALLEY GUTTER- CONCRETE

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Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0520 5 11	45	\$51.53	\$906,101.44	17,584.000	LF	N	TRAF SEP CONC-TYPE I, 4' WIDE
0520 5 12	18	\$103.54	\$793,703.08	7,666.000	LF	N	TRAF SEP CONC-TYPE I, 6' WIDE
0520 5 16	8	\$125.40	\$600,158.16	4,786.000	LF	N	TRAF SEP CONC-TYPE I, 8.5' WIDE
0520 5 21	8	\$67.54	\$255,428.00	3,782.000	LF	N	TRAF SEP CONC - TYPE II, 4' WIDE
0520 5 22	5	\$130.41	\$208,650.00	1,600.000	LF	N	TRAF SEP CONC - TYPE II, 6' WIDE
0520 5 26	5	\$162.91	\$260,660.00	1,600.000	LF	N	TRAF SEP CONC-TYPE II, 8.5' WIDE
0520 5 41	28	\$51.24	\$1,503,808.13	29,349.000	LF	N	TRAF SEP CONC-TYPE IV, 4' WIDE
0520 5 42	12	\$99.90	\$461,322.40	4,618.000	LF	N	TRAF SEP CONC-TYPE IV, 6' WIDE
0520 5 46	5	\$162.47	\$259,955.00	1,600.000	LF	N	TRAF SEP CONC-TYPE IV,8.5' WIDE
0520 5 51	2	\$85.00	\$8,500.00	100.000	LF	N	TRAF SEP CONC, TYPE V, 4' WIDE
0520 5 52	1	\$95.00	\$8,075.00	85.000	LF	N	TRAF SEP CONC-TYPE V, 6' WIDE
0520 6	29	\$31.87	\$1,153,732.95	36,206.000	LF	N	SHOULDER GUTTER- CONCRETE
0520 7 2	1	\$30.00	\$14,400.00	480.000	LF	N	GRANITE CURB, RESET
0520 70	42	\$88.70	\$1,576,853.23	17,777.000	SY	N	CONCRETE TRAFFIC SEPARATOR, SP- VAR WIDT
0521 1 11	6	\$173.45	\$894,285.40	5,156.000	LF	N	MEDIAN CONC BARRIER, 38" HEIGHT
0521 1 12	3	\$140.91	\$529,522.00	3,758.000	LF	N	MEDIAN CONC BARRIER, SHORT GRADE SEP
0521 1 13	6	\$365.30	\$1,264,661.00	3,462.000	LF	N	MEDIAN CONC BARRIER, TALL GRADE SEP
0521 1 14	4	\$517.99	\$634,543.02	1,225.000	LF	N	MEDIAN CONC BARRIER, VAR SECT WIDTH
0521 5 8	1	\$60.00	\$44,400.00	740.000	LF	N	CONC TRAF RAIL- BRG, RETRO-VERT FACE
0521 5 12	2	\$87.75	\$88,452.00	1,008.000	LF	N	CONC TRAF RAIL- BRG, 36" MED SING SLOPE
0521 5 13	12	\$125.52	\$1,178,895.68	9,392.000	LF	N	CONC TRAF RAIL- BRIDGE, 36" SING SLOPE
0521 6 11	3	\$56.02	\$118,600.00	2,117.000	LF	N	CONC PARAPET, PED/BIKE, 27"
0521 6 31	1	\$185.00	\$183,520.00	992.000	LF	N	CONC PARAPET, RETAINING WALL SYS, 27"
0521 8 3	2	\$341.03	\$504,048.00	1,478.000	LF	N	CONC TRAF RAIL BAR,JCT SLAB,32"V SHP
0521 8 7	7	\$252.98	\$1,893,318.64	7,484.000	LF	N	CONC BARRIER, W/JUNCT SL, 36 SS
0521 8 11	1	\$380.00	\$167,580.00	441.000	LF	N	CONC BARRIER, W/JUNCT SLAB, 8'-NWALL
0521 9 1	3	\$55.75	\$857,952.25	15,389.000	LF	N	OPAQUE VISUAL BARRIER, 521-010 CONCRETE
0521 72 24	2	\$359.24	\$104,180.00	290.000	LF	N	SHLDR CONC BAR WALL, 8' NOISE WALL
0521 72 27	1	\$434.00	\$480,438.00	1,107.000	LF	N	SHLDR CONC BAR WALL, 14' NOISE WALL
0521 72 40	11	\$279.42	\$1,566,982.86	5,608.000	LF	N	SHLDR CONC BARRIER,38" OR 44" HEIGHT
0521 72 41	1	\$610.00	\$73,810.00	121.000	LF	N	SHLDR CONC BARRIER, RETAINING SECTION
0521 72 43	9	\$434.23	\$754,693.80	1,738.000	LF	N	SHLDR CONC BARRIER, CURB AND GUTTER BARR
0521 72 56	8	\$518.78	\$2,261,347.76	4,359.000	LF	N	SHLDR CONC BARRIER,56" PIER PROT
0522 1	169	\$45.67	\$11,182,530.77	244,863.000	SY	N	CONCRETE SIDEWALK AND DRIVEWAYS, 4"
0522 2	187	\$63.19	\$7,216,214.38	114,194.000	SY	N	CONCRETE SIDEWALK AND DRIVEWAYS, 6"
0522 3	6	\$92.43	\$27,821.70	301.000	SY	N	BUS BOARDING PAD- CONCRETE
0522 4	5	\$90.52	\$35,935.85	397.000	SY	N	BUS SHELTER PAD- CONCRETE
0523 1	3	\$105.98	\$80,545.00	760.000	SY	N	PATTERNED PAVEMENT, VEHICULAR AREAS
0523 2	3	\$114.03	\$102,630.00	900.000	SY	N	PATTERNED PAVEMENT, NON-VEHICULAR AREAS
0524 1 1	18	\$76.78	\$343,031.08	4,468.000	SY	N	CONCRETE DITCH PAVT, NR, 3"

Florida Department of Transportation
 Item Average Unit Cost
 From 2020/01/01 to 2020/12/31

Contract Type: ALL Statewide
 Displaying: VALID ITEMS WITH HITS
 From: 0102 1 To: 9999999999

Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description	
0524	1 2	24	\$64.05	\$1,070,974.21	16,721.000	SY	N	CONCRETE DITCH PAVT, NR, 4"
0524	1 3	1	\$337.50	\$10,125.00	30.000	SY	N	CONCRETE DITCH PAVT, NR, 5"
0524	1 4	6	\$85.55	\$54,410.20	636.000	SY	N	CONCRETE DITCH PAVT, NR, 6"
0524	1 19	3	\$94.89	\$25,050.00	264.000	SY	N	CONC DITCH PAVT, 3", REINFORCED
0524	1 29	11	\$88.56	\$179,151.81	2,023.000	SY	N	CONC DITCH PAVT, 4", REINFORCED
0524	1 49	4	\$598.27	\$55,040.83	92.000	SY	N	CONC DITCH PAVT, 6", REINFORCED
0524	2 1	1	\$75.00	\$7,500.00	100.000	SY	N	CONC SLOPE PAVT, NR, 3"
0524	2 2	10	\$72.68	\$106,477.04	1,465.000	SY	N	CONC SLOPE PAVT, NR, 4"
0524	2 4	1	\$195.00	\$1,755.00	9.000	SY	N	CONC SLOPE PAVT, NR, 6"
0524	2 29	2	\$105.83	\$6,350.00	60.000	SY	N	CONC SLOPE PAVT, 4", REINFORCED
0524	2 49	2	\$142.00	\$7,100.00	50.000	SY	N	CONC SLOPE PAVT, 6", REINFORCED
0524	3	3	\$1,978.33	\$40,160.00	20.300	CY	N	CONC CORE DITCH BLOCKS
0526	1 1	4	\$56.97	\$27,800.00	488.000	SY	N	PAVERS, ARCHITECTURAL, ROADWAY
0526	1 2	16	\$69.94	\$230,873.97	3,301.000	SY	N	PAVERS, ARCHITECTURAL, SIDEWALK
0527	2	168	\$28.34	\$2,073,578.50	73,163.000	SF	N	DETECTABLE WARNINGS
0530	3 3	17	\$82.77	\$3,801,723.57	45,933.200	TN	N	RIPRAP- RUBBLE, BANK AND SHORE
0530	3 4	50	\$130.05	\$1,518,608.86	11,677.400	TN	N	RIPRAP, RUBBLE, F&I, DITCH LINING
0530	3 5	1	\$168.00	\$218,736.00	1,302.000	TN	N	RIPRAP- RUBBLE, COASTAL SHORE- LG BOULD
0530	4 4	1	\$75.00	\$556,725.00	7,423.000	SY	N	ARTICULATING CONC BLOCK REVET SYS, 4"
0530	4 6	2	\$185.13	\$84,234.00	455.000	SY	N	ARTICULATING CONC BLOCK REVET SYS, 6"
0530	5 13	2	\$305.51	\$200,106.96	655.000	CY	N	GABION, BASKET
0530	74	32	\$83.83	\$1,473,644.35	17,579.200	TN	N	BEDDING STONE
0534	72101	7	\$37.54	\$5,952,259.40	158,539.000	SF	N	SOUND/NOISE BARRIER-INC FOUNDATION, PERM
0536	1 0	14	\$25.42	\$228,514.60	8,988.000	LF	N	GUARDRAIL- ROADWAY, GEN/LS TL-2
0536	1 1	79	\$17.96	\$3,846,960.85	214,168.000	LF	N	GUARDRAIL- ROADWAY, GEN TL-3
0536	1 3	18	\$23.05	\$1,944,778.22	84,385.000	LF	N	GUARDRAIL- ROADWAY, DOUBLE FACE
0536	5 1	5	\$7.09	\$522,162.84	73,601.000	LF	N	RUB RAIL FOR GUARDRAIL, SINGLE SIDED RUB
0536	5 2	3	\$8.72	\$32,758.25	3,757.000	LF	N	RUB RAIL FOR GUARDRAIL, DOUBLE SIDED RUB
0536	6	23	\$15.97	\$169,201.11	10,594.000	LF	N	PIPE RAIL FOR GUARDRAIL
0536	7 1	8	\$69.23	\$547,158.00	7,904.000	EA	N	SPECIAL GUARDRAIL POST- DEEP POST FOR SL
0536	7 2	20	\$224.37	\$43,527.91	194.000	EA	N	SPECIAL GUARDRAIL POST- SP STEEL POST CM
0536	7 3	23	\$132.79	\$149,389.46	1,125.000	EA	N	SPECIAL GUARDRAIL POST- ENCASED POST SM
0536	7 4	1	\$127.00	\$1,524.00	12.000	EA	N	SPECIAL GUARDRAIL POST- FRANG LEAVE OUT
0536	8111	1	\$2,700.00	\$5,400.00	2.000	EA	N	CUADR CONN TO RIGID BA, F&I, APPR N2
0536	8112	1	\$2,814.61	\$11,258.44	4.000	EA	N	GUARDRA CONN TO RIGID BA, F&I, N APPR 3
0536	73	81	\$2.05	\$394,582.32	192,321.000	LF	N	GUARDRAIL REMOVAL
0536	85 20	50	\$1,160.88	\$242,624.76	209.000	EA	N	GUARDRAIL END TREAT- TRAILING ANCHORAGE
0536	85 24	76	\$3,078.02	\$1,317,390.87	428.000	EA	N	GUARDRAIL END TREATMENT- PARA APP TERM
0536	85 26	9	\$1,836.00	\$104,652.18	57.000	EA	N	GUARDRAIL END TREATMENT- TYPE CRT
0536	85 27	8	\$8,417.27	\$210,431.64	25.000	EA	N	GUARDRAIL END TREAT- DOUB FACE APPR TER

SUMMARY OF WORK ORDER

66th Avenue
Project NO. IRC-1505
HEC #2105



HALLEY ENGINEERING CONTRACTORS, INC.

DATE: Thursday, February 24, 2022

DESCRIPTION: 53rd St. Bridge - Redesign

LABOR BREAKDOWN

DESCRIPTION	U/M	RATE	QTY	EXTENSION	BURDEN	TOTAL COST
Project Manager	wk	\$2,250.00	9.00	\$ 20,250.00	45.00%	\$ 29,362.50
Project Foreman	wk	\$ 1,500.00	9.00	\$ 13,500.00	45.00%	\$ 19,575.00
QC Technician	HR	\$ 18.00	360.00	#####	45.00%	\$ 9,396.00

TOTAL LABOR: \$ 58,333.50

EQUIPMENT BREAKDOWN

DESCRIPTION	# UNITS	U/M	RATE	QTY	EXTENSION
Jeep SUV	1	HR	\$ 10.00	360.00	\$ 3,600.00
Chevy 1500 P/U	2	HR	\$ 10.00	360.00	\$ 7,200.00
TOTAL EQUIPMENT:					\$ <u>10,800.00</u>

MATERIAL BREAKDOWN

DESCRIPTION	U/M	RATE	QTY	EXTENSION
	EA	\$ -	-	\$ -
	EA	\$ -	-	\$ -

TOTAL MATERIAL: \$ -

SUBCONTRACTOR COSTS

DESCRIPTION	U/M	RATE	QTY	EXTENSION
Cone & Graham (See Attached)	LS	\$1,634,871.00	1.00	\$ 1,634,871.00

Total Subcontractor \$ 1,634,871.00

TOTAL LABOR: \$ 58,333.50
 TOTAL EQPT: \$ 10,800.00
 15% markup \$ 10,370.02
 total \$ 79,503.50

TOTAL SUBC: \$ 1,634,871.00
 5% Mark-up \$ 81,743.55
 TOTAL: \$ 1,716,614.55

extended erosion control $265,000.00/750 = \$353.33/\text{Day} \times 60 = 21,199.80$
 ded Maintenance of Traffic $\$630,000.00/750 = \$840.00/\text{Day} \times 60 = 50,400.00$
 TOTAL COST: \$ 1,867,717.85

Delete 53rd St Bridge in contract 1,025,900.50
 Total additional to contract \$841,817.35

Stacy Griffin

From: William R. Adams, III <wadams@consoreng.com>
Sent: Wednesday, March 9, 2022 2:21 PM
To: Kelly Cowger
Cc: Stacy Griffin; Jose Arauz; Kirstin Leiendecker
Subject: FW: 53rd St Bridge Re-design.xls
Attachments: 53rd St Bridge Re-design.pdf

Kelly,

Rich has approved this pricing. Please move forward with drafting Change Order backup so this can get presented to the Board for approval, ASAP. Note it is based on a new design using the Florida Slab Beams. The county will have Arcadis/Wantman prepare the new design.

Thanks,

Bill

William R. Adams, III, PE

Sr. Vice President, Florida Construction Services
CONSOR Engineers, LLC

Mobile: +1.813.927.6011



From: John Morris <jmorris@halleyeng.com>
Sent: Thursday, February 24, 2022 2:56 PM
To: Kelly Cowger <kcowger@consoreng.com>; William R. Adams, III <wadams@consoreng.com>
Cc: Jean Leon <jleon@halleyeng.com>; John Morris <jmorris@halleyeng.com>
Subject: 53rd St Bridge Re-design.xls

Kelly –

Here is the total cost summary sheet to go with what I sent over earlier today. Let me know if you have any questions, or when we can set up a meeting to discuss.

Thanks,

John Morris

Analysis of 60-Day Contract Time Extension

Based on the redesigned 5-lane typical section, the 53rd Street Bridge increased in width from 67'-1" to 98'-1", or 46.21% increase in size of the overall structure. See attached typical sections.

Per the original contract documents 120 days was allocated to construction of the original 3-lane typical section bridge at 53rd Street. See attached pages from Contract documents.

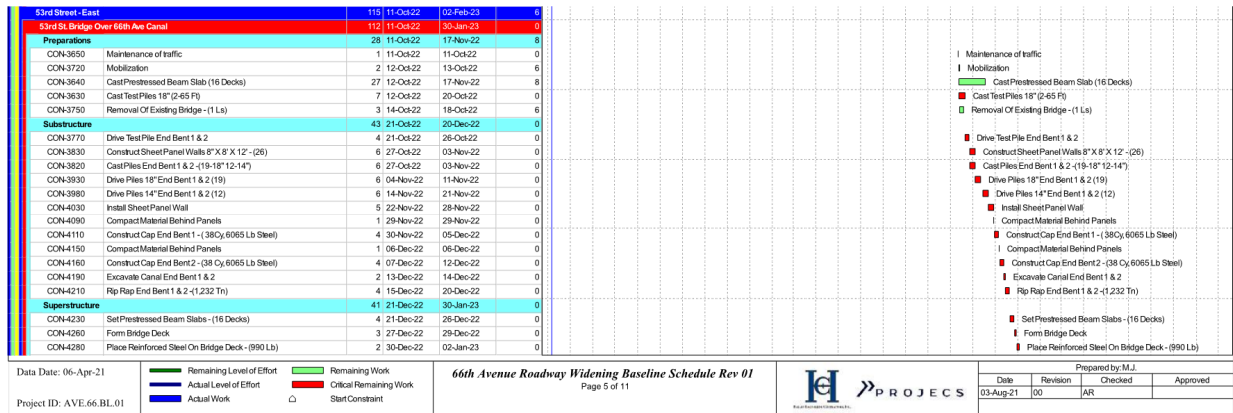
Using percentage increase in size of the bridge to the days needed to complete this additional work resulted in entitlement of 60-day time extension to the Contractor.

$$\text{Increase in Size: } \frac{\text{Redesigned 5-Lane Typical Section} = 98.0833 \text{ Feet}}{\text{Original 3-Lane Typical Section} = 67.0833 \text{ Feet}} = 46.21\% \text{ Increase in Size}$$

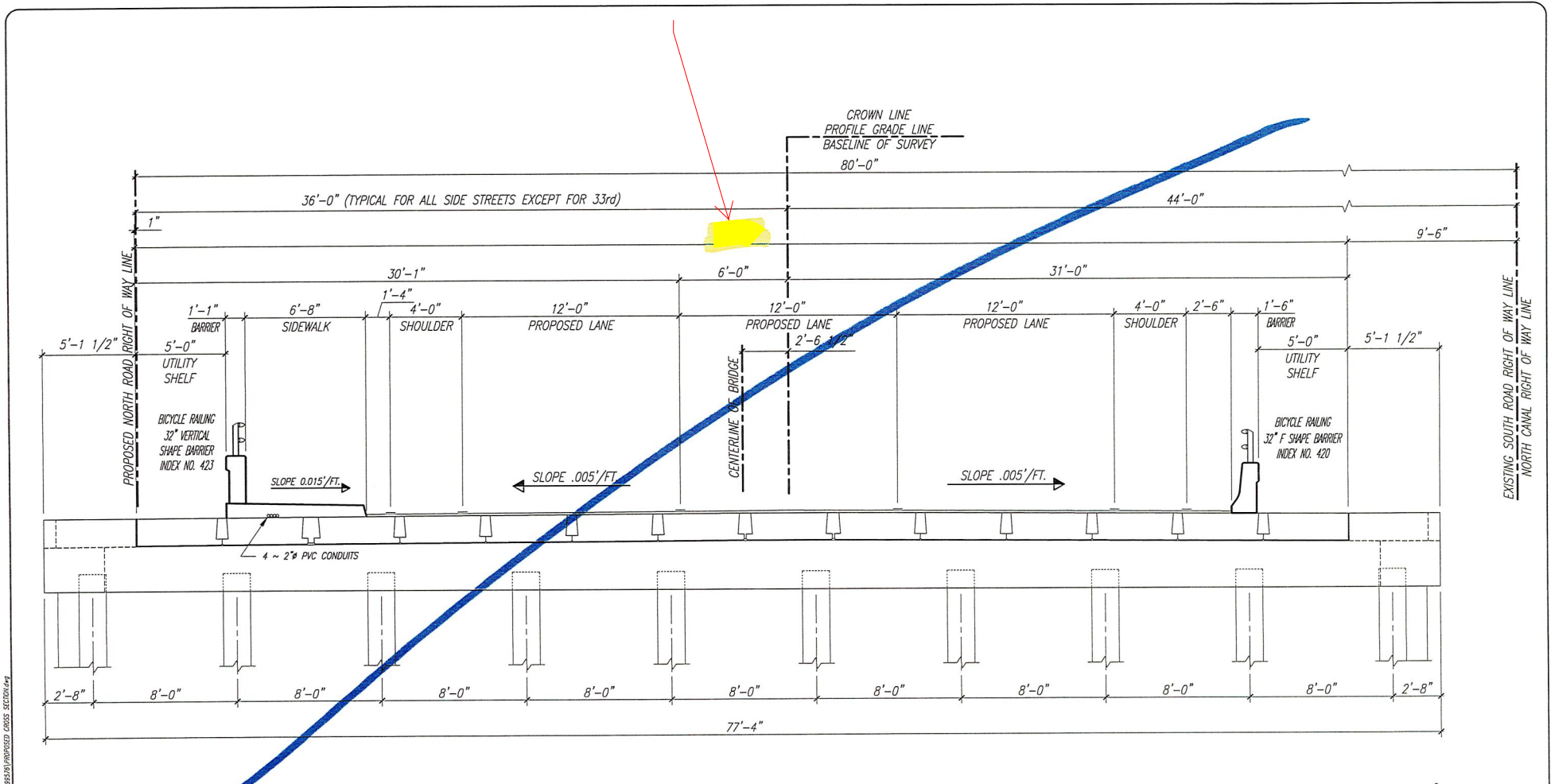
Therefore,

$$\begin{array}{l} \text{Percent Increase in} \\ \text{Time to Complete} \\ \text{46.21\% more Work:} \end{array} \quad \begin{array}{l} \text{Original 3-Lane Typical Section} = \\ 120 \text{ Days} \end{array} \times 46.21\% = 55.452 \text{ or} \\ \text{approximately} \\ \text{60-Day Time} \\ \text{Extension}$$

The Contractor's baseline CPM schedule at 53rd Street Bridge:



ORIGINAL 3-LANE TYPICAL SECTION
SECTION 67.0833 FEET



A PROPOSED BRIDGE CROSS SECTION LOOKING EAST
(53rd STREET)

Scale: 3/8" = 1'-0"

VERIFY SCALE
1" = 1'

NOTE: THE SCALE OF THESE DRAWINGS MAY HAVE CHANGED DUE TO REPRODUCTION.

BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES AS NECESSARY.

DATE: Dec. 17, 2020 - 8:10am C:\pwworking\pwworking\20201217\PROPOSED CROSS SECTION.dwg

2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Registry No. 33574

NO.	REVISION	DATE	BY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

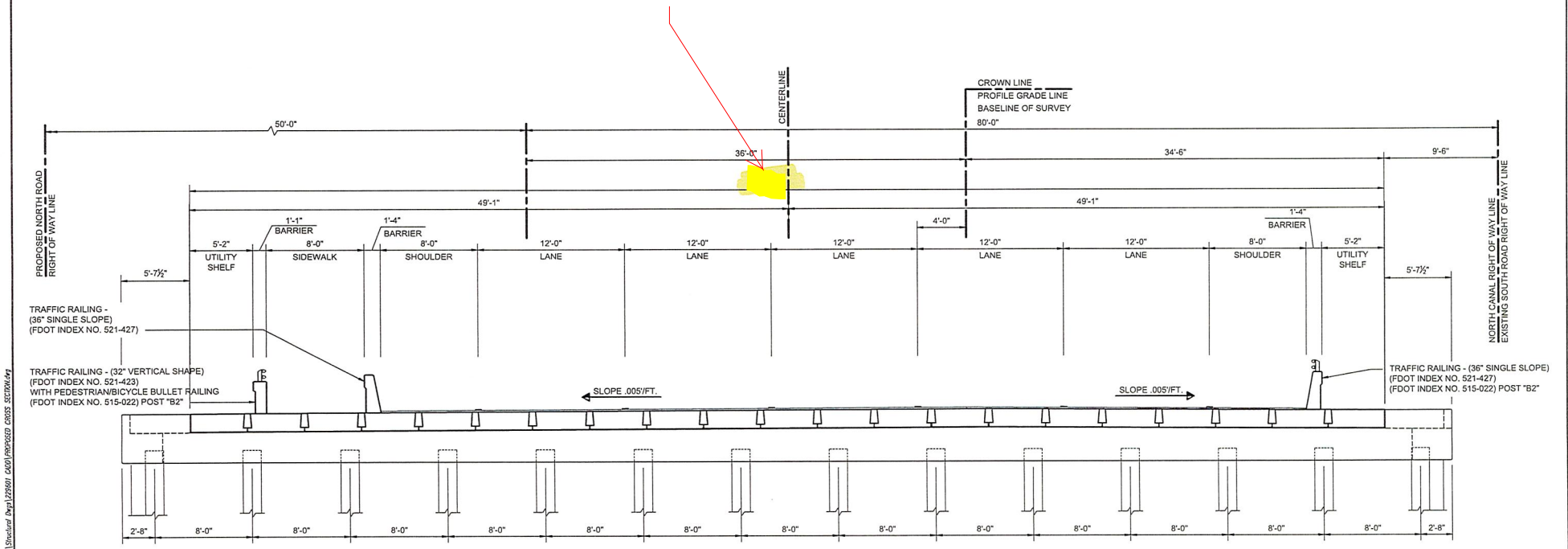
Scale: AS NOTED
Approved:
Drawn: C.A.B.
Checked: T.A.D.
Date: DECEMBER 2020
Field Book No:

PROJECT:
PROPOSED BRIDGE MODIFICATIONS FOR:
66th AVENUE - PHASE 1A
IRC 1505
INDIAN RIVER COUNTY, FLORIDA

SEAL
Timothy Alan DeLand-71588
FLORIDA P.E. MAP & SURVEY

SHEET
B-1
PROJECT NO.
16162296.00

REDESIGNED 5-LANE TYPICAL SECTION 98.0833 FEET



DATE: Dec. 18, 2021 - 4:10pm P:\2020\2296.01_Sunshine 811_Sunshine 811.dwg (S:\2021\2296.01_Sunshine 811.dwg) (P:\2020\2296.01_Sunshine 811.dwg) (S:\2021\2296.01_Sunshine 811.dwg)

VERIFY SCALE

 BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES AS NECESSARY.

NOTE: THE SCALE OF THESE DRAWINGS MAY HAVE CHANGED DUE TO REPRODUCTION.
Sunshine 811
 Indian River County
 01-20-2022
 Date

RELEASED FOR CONSTRUCTION

(A) **PROPOSED BRIDGE CROSS SECTION LOOKING EAST**
 (53rd STREET)
 Scale: 3/8" = 1'-0"

IWGI
 2035 Vista Parkway
 West Palm Beach, FL 33411
 Phone No. 561.687.2220
 Fax No. 561.687.1110
 Registry No. 33574

NO.	REVISION	DATE	BY

DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION

Scale: AS NOTED
 Approved:
 Drawn: C.A.B.
 Checked: T.A.D.
 Date: APRIL 2021
 Field Book No:

PROJECT:
 PROPOSED BRIDGE MODIFICATIONS FOR:
66th AVENUE - PHASE 1A
 IRC 1505
 INDIAN RIVER COUNTY, FLORIDA

SEAL
 Timothy Alan Deland-71588
FLORIDA P.E. STATE # 15888

SHEET
B-1
 PROJECT NO.
 16162296.01

The cost of all work included in the Maintenance of Traffic Plan shall be included in the pay item for Maintenance of Traffic.

The Contractor shall be responsible for performing daily inspections, including weekends and holidays, with some inspections at nighttime, of the installations on the project and replace all equipment and devices not conforming with the approved standards during that inspection. The project personnel will be advised of the schedule of these inspections and be given the opportunity to join in the inspection as is deemed necessary.

- C. TRAFFIC CONTROL - STANDARDS: The FDOT Design Standards For Design, Construction, Maintenance and Utility Operations On The State Highway System, Edition as dated on the plans set forth the basic principles and prescribes minimum standards to be followed in the design, application, installation, maintenance and removal of all traffic control devices and all warning devices and barriers which are necessary to protect the public and workmen from hazards within the project limits. The standards established in the aforementioned manual constitute the minimum requirements for normal conditions, and additional traffic control devices warning devices, barriers or other safety devices will be required where unusual, complex or particularly hazardous conditions exist.

The above referenced standards were developed using F.H.W.A., U.S.D.O.T. Manual on Uniform Traffic Control Devices (MUTCD).

- D. TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS - INSTALLATION: The responsibility for installation and maintenance of adequate traffic control devices, warning devices and barriers, for the protection of the travel in public and workmen, as well as to safeguard the work area in general shall rest with the Contractor. Consideration shall be given to recommendations of the Engineer. The required traffic control devices, warning devices and barriers shall be erected by the Contractor prior to creation of any hazardous condition and in conjunction with any necessary re-routing of traffic. The Contractor shall immediately remove, turn or cover any devices or barriers which do not apply to existing conditions. All traffic control devices shall conform to MUTCD standards and shall be clean and relatively undamaged. Damaged devices diminishing legibility and recognition, during either night or day conditions, are not acceptable for use.
- E. NO WAIVER OF LIABILITY: The Contractor shall conduct his operations in such a manner that no undue hazard will result due to the requirements of this article, and the procedures and policies described therein shall in no way act as a waiver of any of the terms of the liability of the Contractor or his surety.
- F. **Contractor's Maintenance of Traffic Plan shall maintain continuous vehicular traffic on 66th Avenue at all times. The Contractor shall maintain one lane of traffic at all times during 66th Avenue cross drain culvert constructions. The Contractor may elect to close through traffic for a period [REDACTED] ie construction of the following bridges:**

- a. [REDACTED]
- b. 61st Street Bridge over Lateral "A" Canal
- c. 65th Street Bridge over Lateral "A" Canal
- d. 69th Street Box Culvert over Lateral "A" Canal

The Contractor may also elect to close the following roadways at the same time:

Alternative 1

- 53rd Street
- 61st Street

Alternative 2

- 57th Street
- 65th Street

Please note the not to exceed 120 total calendar days will apply to both closing alternatives (i.e. Alternative 1; closings 53rd St, 61st St. cannot exceed 120 calendar days total).

- G. The Changeable Variable Message Sign shall be used as necessary. The location, message, and duration shall be as directed by Engineer. Changeable Variable Message Signs shall be included in Bid Item for Maintenance of Traffic – per Lump Sum as required by the Contractor's Maintenance of Traffic Plan.
- H. In addition to above, the Contractor shall comply with INDIAN RIVER COUNTY TRAFFIC ENGINEERING DIVISION SPECIAL CONDITIONS FOR RIGHT-OF-WAY CONSTRUCTION in Appendix C.

Item of Payment

Payment for the work specified in this item shall be made under:

Phase 1A

Bid Item No. 0102 1 - Maintenance of Traffic – Per Lump Sum

Phase 1B

Bid Item No. 102-1 - Maintenance of Traffic – Per Lump Sum