

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

MEMORANDUM

TO: CFX Board Members

FROM: Ben Dreiling, P.E.
Director of Construction 

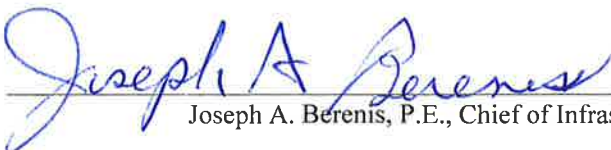
DATE: September 27, 2016

SUBJECT: Consent Agenda
Construction Contract Modifications

Authorization is requested to execute the following Construction Contract Modifications. Supporting detailed information for the proposed Construction Contract Modifications is attached.

Contract No.	Contractor	Contract Description	Original Contract Amount (\$)	Previous Authorized Adjustments (\$)	Requested (\$) October 2016	Total Amount (\$) to Date*	Time Increase or Decrease
599-736	Traffic Solutions	Systemwide Replacement of Retro-Reflective Pavement Markers	\$ 137,636.60	\$ -	\$ (2,563.70)	\$ 135,072.90	0
528-313	Lane Construction Corp.	SR 528/Innovation Way Interchange	\$ 62,452,032.01	\$ -	\$ (1,140,672.91)	\$ 61,311,359.10	0
599-913	S. A. Casey Construction Co., Inc.	HQ Building 2nd Floor Renovation	\$ 547,299.00	\$ -	\$ 69,683.37	\$ 616,982.37	0
429-206	GLF Construction Corp.	SR 453, Lake County Line to SR 46	\$ 49,482,671.93	\$ -	\$ (251,575.38)	\$ 49,231,096.55	0
599-525	Traffic Control Devices, Inc.	Single Line Dynamic Message Sign Upgrades	\$ 4,555,555.55	\$ -	\$ 43,363.95	\$ 4,598,919.50	0
417-733	Ranger Construction Industries, Inc.	SR 417 Milling & Resurfacing, International Dr. to Moss Park Rd.	\$ 18,513,580.17	\$ 162,934.75	\$ 403,925.65	\$ 19,080,440.57	12
TOTAL					\$ (877,839.02)		

* Includes Requested Amount for current month.

Reviewed By: 
Joseph A. Berenis, P.E., Chief of Infrastructure

Contract 599-736: Systemwide Replacement of Retro-Reflective Pavement Markers
Traffic Solutions
SA 599-736-1016-01

Adjustments for Contract Items

This adjustment in contract pay item quantities is requested to accurately reflect the actual authorized quantities constructed under the Contract to accomplish the intent of the project.

OVERRUN THE FOLLOWING PAY ITEMS:

Retro-Reflective Pavement Markers	\$	12,053.80
24" Solid White, Stop Bar (Thermoplastic)	\$	<u>525.00</u>
	\$	12,578.80

UNDERRUN THE FOLLOWING PAY ITEMS:

12" Solid White, Crosswalk (Thermoplastic)	\$	(142.50)
Work Order Allowance	\$	(10,000.00)
Allowance for Disputes Review Board	\$	<u>(5,000.00)</u>
	\$	(15,142.50)

TOTAL AMOUNT FOR PROJECT 599-736 **\$ (2,563.70)**

Contract 528-313: SR 528/Innovation Way Interchange
Lane Construction Corp.
SA 528-313-1016-01

Embankment - Quantity Correction

The quantity of the Embankment pay item identified in the Contract was understated by an amount equal to the volume required to replace the Contract Sub Soil Excavation volume. CFX wishes to correct this oversight by compensating the Contractor at original bid unit prices for the correct amount of embankment required to construct the project.

INCREASE THE FOLLOWING ITEM:

Embankment	\$ 238,336.00
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Deletion of the Private Water Main (Dry Line)

The contract documents included construction of a private water main along the new alignment of Aerospace Parkway and Innovation Parkway. At the request of the project partner, Suburban Land Reserve, Inc. (SLR), the proposed private water main will be deleted at the contract unit prices for the associated work. The added items below compensate the Contractor for costs directly associated with the deletion of this work. Consistent with our Innovation Interchange Agreement, this entire change has been approved and will be realized by SLR.

ADD THE FOLLOWING ITEMS:

Dewatering	\$ 16,153.36
42" Steel Casing	<u>\$ 8,758.73</u>
	\$ 24,912.09

DECREASE THE FOLLOWING ITEMS:

Utility Pipe, F&I, Water/Sewer, 8-19.9"	\$ (44,710.00)
Utility Pipe, F&I, Water/Sewer, 20-49.9"	\$ (626,586.00)
Steel, Casing/Conduit, 20-49.9"	\$ (400,405.00)
Utility Fittings, F&I, DI/CI Elbow, 20-49.9"	\$ (29,000.00)
Utility Fittings, F&I, DI/CI Tee, 20-49.9"	\$ (1,550.00)
Utility Fittings, F&I, DI/CI Reducer, 20-49.9"	\$ (1,770.00)
Utility Fittings, F&I, Union, 20-49.9"	\$ (3,300.00)
Utility Fittings, F&I, DI/CI Union, Y, 8-19.9"	\$ (1,200.00)
Utility Fixtures, F&I, 2-4.9", Blow Off Assembly	\$ (7,600.00)
Utility Fixtures, F&I, 8-19.9", Valve Assembly	\$ (16,800.00)
Utility Fixtures, F&I, 20-49.9", Valve Assembly	\$ (221,000.00)
Utility Fixtures, F&I, 20-49.9", Vac/Air Assembly	\$ (8,400.00)
Fire Hydrant, F&I, Std., 3 Way, 2 Hose, 1 Pumper, 6"	<u>\$ (41,600.00)</u>
	\$ (1,403,921.00)

Sub-Total: Deletion of the Private Water Main (Dry Line)	\$ (1,379,008.91)
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<u>TOTAL AMOUNT FOR PROJECT 528-313</u>	<u>\$ (1,140,672.91)</u>
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Contract 599-913: HQ Building 2nd Floor Renovation
S. A. Casey Construction Co., Inc.
SA 599-913-1016-01

Headquarters Building Alterations

The work included in this request is to furnish and install low voltage cables (Voice and Data) for the new layout of the data ports, provide a more durable flooring surface at the heavy traffic area, improve usability and line of sight of the lobby area reception desk, and paint the existing walls, windows and door frames to match the new renovations. It should be noted that the low voltage work added to this Contract is not additional work for the project, rather work that was moved into this Contract and out of another procurement vehicle for the purposes of aligning responsibility and accountability related to this work.

ADD THE FOLLOWING ITEMS:

Low Voltage Cable Addition & Modification at CFX HQ Rm 236, 239, 249	\$	56,236.42
Vinyl Flooring at Rm 239 Lobby	\$	3,022.80
Receptionist Desk Renovation	\$	2,790.70
Additional Wall Mural at Rm 239	\$	3,750.45
Additional Window & Door Frame Painting at Rm 239	\$	3,883.00

TOTAL AMOUNT FOR PROJECT 599-913 **\$ 69,683.37**

**Contract 429-206: SR 453, Lake County Line to SR 46
GLF Construction Corp.
SA 429-206-1016-01**

Cost Savings Initiative Proposal (CSIP)

This change documents CFX's acceptance of the Contractor's proposal to design and construct the two bridges over County Line Road utilizing steel tubs in lieu of the Precast Concrete Tub-Post Tension bridges included in the contract. This deviation is in accordance with the contract provisions for a contractor sponsored CSIP and it maintains the aesthetic intent of the Wekiva Parkway. It should be noted that the net long term estimated savings to CFX, accounting for future maintenance, while still positive is significantly less than the value of the savings identified in this change. Staff recommends the acceptance of the Contractor's CSIP as it will result in an equivalent product at a net cost savings to CFX.

ADD THE FOLLOWING ITEM:

CSIP Bridges 750925 and 750926	(\$251,575.38)
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<u>TOTAL AMOUNT FOR PROJECT 429-206</u>	<u>(\$251,575.38)</u>
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**Contract 599-525: Single Line Dynamic Message Sign Upgrades
Traffic Control Devices, Inc.
SA 599-525-1016-01**

Plan Revision #1

This change is requested by CFX through Revision #1 to delete the owner-furnished cyberlocks from the contract.

DELETE THE FOLLOWING ITEM:

Replace Corbin Lock with Cyberlock, Install Only	\$ (24,344.00)
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NEMA Enclosures for CCTV Equipment

CFX wishes to include NEMA enclosures at six (6) locations to provide a complete and functional Closed Circuit TV (CCTV) site.

ADD THE FOLLOWING ITEM:

Closed Circuit TV Equipment, F&I, NEMA Enclosure Only	\$ 19,366.20
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Plan Revision #2

This change is requested by CFX through Plan Revision #2 to add upgraded conductor wire as a result of changes to the sign wiring requirements for the dynamic message signs.

ADD THE FOLLOWING ITEMS:

Conductors, F&I, Insulated, #4, AWG	\$ 8,459.75
Conductors, F&I, Insulated, #2, AWG	\$ 5,562.00
	<u>\$ 14,021.75</u>

Provide Maintenance of Traffic for E-Pass Overlay

CFX wishes to compensate the Contractor to coordinate and provide Maintenance of Traffic (MOT) for single, double, and triple lane closures on a current E-Pass Overlay project required to complete the work.

ADD THE FOLLOWING ITEMS:

Maintenance of Traffic, Single Lane Closure, E-Pass	\$ 880.00
Maintenance of Traffic, Double Lane Closure, E-Pass	\$ 17,600.00
Maintenance of Traffic, Triple Lane Closure, E-Pass	\$ 15,840.00
	<u>\$ 34,320.00</u>

<u>TOTAL AMOUNT FOR PROJECT 599-525</u>	<u>\$ 43,363.95</u>
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**Contract 417-733: SR 417 Milling & Resurfacing, International Dr. to Moss Park Rd.
Ranger Construction Industries, Inc.
SA 417-733-1016-0003**

Ramp Pavement Surface Transition

Subsequent to the design and contracting of this project, CFX adopted new guidelines for the location of transitioning from a highway pavement surface to a ramp pavement surface on CFX entrance and exit ramps. CFX wishes to revise this project in accordance with these new ramp pavement surface transition guidelines.

ADD THE FOLLOWING ITEM:

Asphalt Concrete FC, incl. Bit, FC-5, PG 76-22, PMA	\$	356,115.00
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INCREASE THE FOLLOWING ITEM:

Milling Existing Asphalt Pavement, 2 1/4" Avg Depth	\$	133,571.55
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DECREASE THE FOLLOWING ITEMS:

Milling Existing Asphalt Pavement, 1 1/2" Avg Depth	\$	(45,504.90)
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Milling Existing Asphalt Pavement, 3/4" Avg Depth	\$	<u>(40,256.00)</u>
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	\$	(85,760.90)
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Time Extension

Staff recommends the addition of 12 non-compensable days to this contract. This work modifies the paving sequence at 26 entrance and exit ramps. Staff expects the change to take slightly less than 1/2 day per ramp.

Increase Contract Time 12 Non-Compensable Calendar Days

TOTAL AMOUNT FOR PROJECT 417-733

\$ 403,925.65