

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

MEMORANDUM

TO: CFX Board Members

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

Date: April 26, 2016

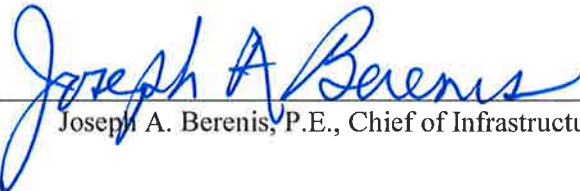
Subject: Consent Agenda
Construction Contract Modifications

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

Contract No.	Name	Contract Description	Original Contract Amount (\$)	Previous Authorized Adjustments (\$)	Requested (\$) May 2016	Total Amount (\$) to Date*	Time Increase or Decrease
417-129	Traffic Control Devices, Inc.	SR 417/Landstar Blvd. Traffic Signal Improvements	395,231.00	0.00	(\$34,649.86)	360,581.14	0
599-132	Gomez Construction Co.	Design/Build Services for Backup Data Center	1,947,162.00	0.00	\$22,215.13	1,969,377.13	0
528-405	Southland Construction, Inc.	SR 528 Airport Mainline Toll Plaza Demolition & Ramp Plaza Construction	38,708,813.52	161,824.10	\$52,686.46	38,923,324.08	+21
TOTAL					\$40,251.73		

* Includes Requested Amount for current month.

Reviewed By:


Joseph A. Berenis, P.E., Chief of Infrastructure

The following is a proposed Construction Contract Modification along with the detailed information:

Contract 417-129: SR 417/Landstar Blvd. Traffic Signal Improvements
Traffic Control Devices, Inc.
SA 417-129-0516-01

Adjustments for Contract Items

This adjustment in contract pay item quantities is requested by staff to accurately reflect minor field adjustments to the work and capture the actual work performed by the Contractor to accomplish the intent of the project.

OVERRUN THE FOLLOWING ITEMS:

Asphalt Concrete Friction Course, Traffic C, FC-12.5, PG 76-22, PMA	\$	2,832.20
Concrete Curb and Gutter (Type F)	\$	45.50
Concrete Sidewalk and Driveways, 4" Thick	\$	510.00
Detectable Warnings	\$	1,032.00
Pull and Splice Box, F&I, 13"x24" Cover Size	\$	598.00
Retro-Reflective Pavement Marker	\$	24.00
Thermoplastic Pavement Markings, Std, White, Solid, 8"	\$	241.43
Preformed Tape, High Performance, White, Solid, 18"	\$	192.00
Preformed Tape, High Performance, Yellow, Solid, 6"	\$	464.55
	\$	<u>5,939.68</u>

UNDERRUN THE FOLLOWING ITEMS:

Portable Changeable Message Sign, Temporary	\$	(1,026.00)
Milling Existing Asphalt Pavement, 1-1/2" Avg. Depth	\$	(1,107.00)
Conduit, F&I, Directional Bore	\$	(4,059.00)
Thermoplastic Pavement Markings, Preformed, White, Solid, 12"	\$	(76.00)
Thermoplastic Pavement Markings, Preformed, White, Solid, 24"	\$	(323.00)
Allowance for Disputes Review Board	\$	(5,000.00)
Work Order Allowance	\$	<u>(28,998.54)</u>
	\$	(40,589.54)

TOTAL AMOUNT FOR PROJECT 417-129 **\$ (34,649.86)**

Contract 599-132: Design/Build Services for Backup Data Center
Gomez Construction Co.
SA 599-132-0516-01

Contract Plan Revisions

Staff requests authorization to adjust the scope of work of this project by adding several elements that will increase the functionality, reliability and security of this new facility. These elements include an adjustment to the water closet, the addition of pull boxes and conduits from the building exterior to the utility room, the addition of an Automatic Transfer Switch (ATS) on the output side of the parallel Uninterrupted Power Supply (UPS) system, and the addition of electrical outlets in the server area. Each new element is itemized below along with the costs to incorporate the changes in the final design plans.

ADD THE FOLLOWING ITEMS:

Design and Plans for Added Pull Box, ATS, Receptacles and Urinal	\$	2,518.14
Urinal (furnished and installed)	\$	1,981.98
In Ground Pull Box (furnished and installed)	\$	9,500.68
30A ATS and Computer Panel (furnished and installed)	\$	6,087.36
Duplex Receptacles (furnished and installed)	\$	2,126.97
	\$	22,215.13

TOTAL AMOUNT FOR PROJECT 599-132 **\$ 22,215.13**

Contract 528-405: SR 528 Airport Mainline Toll Plaza Demolition & Ramp Plaza Construction
Southland Construction, Inc.
SA 528-405-0516-04

Eastbound Shoulder Milling

Staff requests authorization to mill in resurface the shoulder pavement in lieu of the full depth reconstruction from Station 735+00 to Station 750+14 RT. This change will eliminate an undesirable traffic condition but will not sacrifice the structural sufficiency of the new shoulder.

DECREASE THE FOLLOWING ITEMS:

6" Limerock Base	\$	(19,045.16)
Type B Stabilizer	\$	(8,391.87)
	\$	(27,437.03)

ADD THE FOLLOWING ITEM:

Mill Existing Asphalt 4.5" Avg.	\$	10,829.92
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Sub-Total: Eastbound Shoulder Milling	\$	(16,607.11)
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Plaza Asphalt Milling

It has been confirmed that the existing asphalt thickness within the existing mainline plaza location exceeded what could have been originally anticipated during the bidding process. The Contractor anticipated a 4" total thickness for removal when in fact he encountered up to 13" of total thickness. Staff recommends payment for this unforeseeable and additional work for the removal of the additional asphalt material encountered.

ADD THE FOLLOWING ITEM:

Plaza Asphalt Milling	\$	8,627.50
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Plan Revision #8

The revised permanent location of Frontage Rd., established with GOAA and FAA, required modifications to the original Contract plans. These revisions had an impact on the demolition of old Frontage Road, the construction of Pond C, a revision to the Maintenance of Traffic plans for Phases 2B and 2C, milling and resurfacing of Frontage Rd., and a revision to the barrier wall between west bound SR 528 and Frontage Rd. Staff recommends the following adjustments to the contract associated with this revision and a non-compensable 21 calendar day increase.

ADD THE FOLLOWING ITEMS:

Fence Gate, Type B, 20'	\$	2,840.38
Underdrain, Type V, 8"	\$	69,060.49
Trench Drain, 18"	\$	62,205.91
Limerock Base, OBG 1, 4"	\$	37,224.69
Demo Existing Rd. - Reconstruction Area	\$	6,074.86
Limerock Base, OBG 6, 8"	\$	20,027.82
Temp MOT and Striping (Frontage Rd.)	\$	4,234.00
Temp MOT and Striping (SR 528)	\$	14,514.72

Demo Existing Barrier Wall	\$ 5,495.84
Demo Existing Rd. (Frontage Rd.)	\$ 34,916.43
	\$ 256,595.14

DECREASE THE FOLLOWING ITEMS:

Excavation	\$ (43,749.08)
Underdrain, Type V, 6"	\$ (277,114.11)
Underdrain Outlet Pipe, 8"	\$ (1,232.40)
Light Pole CDS, Conventional	\$ (3,129.76)
	\$ (325,225.35)

INCREASE THE FOLLOWING ITEMS:

Median Barrier Wall	\$ 60,077.23
Fencing, Type B, 6'	\$ 207.18
Embankment	\$ 28,310.10
Glare Screen	\$ 19,433.30
6" Underdrain Outlet Pipe	\$ 1,119.15
18" RCP	\$ 4,182.40
18" MES Cross Drain	\$ 785.37
Retro-Reflective Pavement Markers	\$ 466.56
Thermoplastic 6" Yellow Solid	\$ 7,712.68
Thermoplastic 6" White Solid	\$ 7,713.49
Asphalt Friction Course FC 9.5, 1"	\$ 41,019.28
Asphalt Traffic C, 1.5"	\$ 11,213.54
Type B Stabilization	\$ 8,792.73
Milling Existing Pavement, 1"	\$ 23,498.93
Pipe Filling and Plugging	\$ 2,016.80
Performance Turf	\$ 14,941.08
Light Pole CDS, Wall Mounted	\$ 572.88
	\$ 232,062.70

Increase 21 non-compensable Calendar Days

Sub-Total: Plan Revision #8	\$ 163,432.49
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Westbound Temporary Barrier Wall Relocation

The plans require the reconstruction of a shoulder without delineating provisions for separating traffic from the work zone. Staff authorized the relocation of 2,746 LF of temporary barrier wall with a temporary impact attenuator. Staff recommends sharing the cost of this work with the Contractor.

ADD THE FOLLOWING ITEM:

Relocate Existing Temporary Barrier Wall	\$ 8,520.11
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Fuel Price Index Adjustment - November 2015 through March 2016

The Contract contains provisions for Fuel Price Index adjustments. In accordance with the Contract specifications, the Engineer has calculated adjustments for the period of November 2015 through March 2016. Adjustments were made only if the current month fuel price is greater or less than 5% of Bid/Base Fuel Price. During this period of time \$3,808,721.91 of construction was performed/produced.

ADD THE FOLLOWING ITEMS:

3/14 Gas Base Price=2.7729; Diesel Base Price=3.3311

Fuel Price Adjustment November 2015 (Gas Price=1.4882/Diesel Price=1.5633)	\$ (48,976.51)
Fuel Price Adjustment December 2015 (Gas Price=1.3555/Diesel Price=1.3852)	\$ (35,140.67)
Fuel Price Adjustment January 2016 (Gas Price=1.3468/Diesel Price=1.2602)	\$ (12,751.20)
Fuel Price Adjustment February 2016 (Gas Price=1.1907/Diesel Price=1.1750)	\$ (4,928.06)
Fuel Price Adjustment March 2016 (Gas Price=1.1740/Diesel Price=1.1800)	\$ (9,490.09)
	\$ (111,286.53)

TOTAL AMOUNT FOR PROJECT 528-405

\$ 52,686.46