


# CENTRAL FLORIDA EXPRESSWAY AUTHORITY

MEMORANDUM

TO: CFX Board Members

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

DATE: October 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.

Project No.	Contractor	Contract Description	Original Contract Amount (\$)	Previous Authorized Adjustments (\$)	Requested (\$) November 2016	Total Amount (\$) to Date*	Time Increase or Decrease
599-616B	Traffic Control Products of Florida, Inc.	SR 408 Trailblazer Upgrades Phase II	\$ 323,927.00	\$ -	\$ (58,402.00)	\$ 265,525.00	0
429-202	Prince Contracting, LLC	SR 429, US 441 to North of Ponkan Rd.	\$ 56,152,429.00	\$ 173,312.99	\$ 115,886.01	\$ 56,441,628.00	19
599-526A	Sice, Inc.	Wrong Way Driving Vehicle Detection & Countermeasures Equipment Installation	\$ 1,961,471.48	\$ -	\$ (97,525.06)	\$ 1,863,946.42	7
417-301C	SEMA Construction	SR 417/Boggy Creek Rd. Interchange Improvements Phase III	\$ 70,900,000.00	\$ 1,624,341.85	\$ 394,893.92	\$ 72,919,235.77	0
417-733	Ranger Construction Industries, Inc.	SR 417 Milling & Resurfacing, International Dr. to Moss Park Rd.	\$ 18,513,580.17	\$ 566,860.40	\$ 145,116.30	\$ 19,225,556.87	45
599-132	Gomez Construction Co.	Design/Build Services for Backup Data Center	\$ 1,947,162.00	\$ 52,190.70	\$ (26,581.97)	\$ 1,972,770.73	0
528-313	Lane Construction Corp.	SR 528/Innovation Way Interchange	\$ 62,452,032.01	\$ (1,140,672.91)	\$ 78,385.55	\$ 61,389,744.65	0
417-731A	Preferred Materials, Inc.	SR 417 Milling & Resurfacing, SR 50 to Orange/Seminole Co. Line	\$ 6,343,774.06	\$ (177,916.47)	\$ (563,115.35)	\$ 5,602,742.24	0
528-405	Southland Construction, Inc.	SR 528 Airport Mainline Toll Plaza Demolition & Ramp Plaza Construction	\$ 38,708,813.52	\$ 214,510.56	\$ 80,430.32	\$ 39,003,754.40	0
<b>TOTAL</b>					<b>\$ 69,087.72</b>		

\* Includes Requested Amount for this current month.

**Contract 599-616B: SR 408 Trailblazer Upgrades Phase II**  
**Traffic Control Products of Florida, Inc.**  
**SA 599-616B-1116-01**

Contract Pay Items Quantity Adjustments

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 ITEM:

Sign Single Post, F&I, <12 SF	\$	974.00
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UNDERRUN THE FOLLOWING PAY ITEMS:

Sign Single Post, F&I, 21-30 SF	\$	(4,497.00)
Sign Single Post, Remove	\$	(10.00)
Sign Panels, F&I, <12 SF	\$	(1,557.00)
Sign Panels, F&I, 12-20 SF	\$	(369.00)
Sign Panels, Remove, <12 SF	\$	(130.00)
Sign Panels, Remove, 12-20 SF	\$	(5.00)
Allowance for Disputes Review Board	\$	(5,000.00)
Work Order Allowance	\$	<u>(47,808.00)</u>
	\$	(59,376.00)

Subtotal: Adjustments for Contract Items	\$	(58,402.00)
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<b><u>TOTAL AMOUNT FOR PROJECT 599-616B</u></b>	<b>\$</b>	<b><u>(58,402.00)</u></b>
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**Contract 429-202: SR 429, US 441 to North of Ponkan Rd.**  
**Prince Contracting, LLC**  
**SA 429-202-1116-03**

Time Extension

Tropical Storm Colin impacted the Orlando area affecting the Contractor's work schedule on June 6, 2016 and June 7, 2016. CFX has agreed to grant 2 non-compensable days for weather impacts from the storm.

Tropical Depression #9 was later upgraded into Tropical Storm Hermine on the morning of August 31, 2016. The Contractor's schedule was impacted on September 1, 2016 - September 3, 2016. CFX has agreed to grant 3 non-compensable days for weather impacts from this storm. Both of these time extensions are consistent with Article 6.7.3 of the Contract.

Increase Contract Time 5 Non-Compensable Calendar Days

Upgrade to LED Roadway Lighting Fixtures

CFX requested to change the roadway light fixture to Phillips LED Lumee Roadfocus from the plan specified HPS fixture.

ADD THE FOLLOWING ITEM:

Roadway Lighting LED Fixtures	\$	17,890.39
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Furnish Signal Cabinet to Replace Existing at Connector Rd.

The existing signal cabinet was damaged by impact from third party truck traffic exiting SR 429 northbound to Connector Rd. eastbound. The Contractor was maintaining traffic consistent with the traffic control plan. The existing cabinet is in close proximity to the edge of the curb and, therefore, exposed to impacts from vehicles with large turning radius. The Contract provides reimbursement for costs of repairs due to third party damages for signal equipment.

ADD THE FOLLOWING ITEM:

Replacement of Existing Signal Cabinet at Connector Rd.	\$	17,173.76
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Connector Rd. Pile Discrepancy

Plan Revision 3 was issued to resolve a discrepancy in pile foundation layout. The revision required additional work of cutting existing driven pile, and furnishing and installing new pile at adjusted locations for End Bents 1 and 4. CFX is seeking to recover these additional costs from the Engineer of Record due to this error.

ADD THE FOLLOWING ITEM:

Connector Rd. Pile Discrepancy	\$	47,968.53
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INCREASE THE FOLLOWING ITEM:

Pre-Stressed Concrete Piling, 18" SQ	\$	65,130.00
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Subtotal: Connector Rd. Pile Discrepancy	\$	113,098.53
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Plan Revision 6 Roadway Lighting

CFX provided Plan Revision 6 to the plans. The revision provided adjustments to the roadway lighting that were a result of the upgrade to the LED fixtures.

INCREASE THE FOLLOWING ITEMS:

Conduit, F&I, Directional Bore	\$	8,325.00
Pull & Splice Box, F&I, 13"x24" Cover Size	\$	1,200.00
Conductor #10 or Smaller, Insulated	\$	658.70
Conductor #8 to #6, Insulated	\$	36,384.00
Light Pole, Complete, 1 Arm Shoulder Mount, Aluminum 35	\$	18,600.00
Light Pole, Complete, Remove	\$	1,740.00
Pole Cable Distribution System, Conventional	\$	7,500.00
Roadway Lighting, LED Fixtures, Costs Above Standard Fixture	\$	<u>1,095.33</u>
	\$	75,503.03

DECREASE THE FOLLOWING ITEMS:

Conduit, PVC Schedule 40 ~2", F&I, Open Trench	\$	(3,990.00)
Conductor #4 to #2, Insulated	\$	(53,269.20)
Light Pole, Complete, 1 Arm Shoulder Mount, Aluminum 45	\$	(4,850.00)
Light Pole, Complete, Relocate	\$	(6,500.00)
Load Center, F&I, Secondary Voltage	\$	<u>(19,300.00)</u>
	\$	(87,909.20)

Subtotal: Plan Revision 6 Roadway Lighting \$ (12,406.17)

Pay Item Quantity Adjustments

The increase of subsoil is consistent with the provisions of TS 120-14.2.3 for extra depth subsoil excavation. The fencing adjustments relates to the response RK&K RFI 016 wherein CFX and the Engineer confirms that fencing (special) is appropriate for both Belgian and Yothers overpass locations. The decrease of RFI 064 Existing Drainage Structure at Sta. 59+75 Lt. Belgian St. and the 1 additional RFI 064 Existing Drainage Structure at Sta. 59+75 Lt. Belgian St., relates to correcting a transposition error on the unit price of original Pay Item added by Supplemental Agreement #2. Compensation for the work should be \$16,619.37 as corrected herein.

ADD THE FOLLOWING ITEM:

RFI 064 Existing Drainage Structure at Sta. 59+75 Lt. Belgian St.	\$	16,619.37
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INCREASE THE FOLLOWING ITEMS:

Subsoil Excavation	\$	37.50
Fencing, Special	\$	<u>26,622.00</u>
	\$	26,659.50

DECREASE THE FOLLOWING ITEMS:

Fencing, Type R, 7.1-8.0' with Partial Enclosure	\$	(46,980.00)
RFI 064 Existing Drainage Structure at Sta. 59+75 Lt. Belgian St.	\$	<u>(16,169.37)</u>
	\$	(63,149.37)

Subtotal: Pay Item Quantity Adjustments \$ (19,870.50)

**TOTAL AMOUNT FOR PROJECT 429-202** \$ **115,886.01**

**Contract 599-526A: Wrong Way Driving Vehicle Detection & Countermeasures Equipment Installation**  
**Sice, Inc.**  
**SA 599-526A-1116-01**

Contract Pay Items Quantity Adjustments

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 ITEMS:

Fiber Optic Cable	\$	1,429.36
Fiber Optic Fusion Splice	\$	84.34
Small Fiber Optic Pull Box, F&I	\$	2,650.56
Fiber Optic Conduit, 2-1" HDPE/SDR 11, Directional Bore	\$	1,644.78
Fiber Optic Conduit, 1-2" HDPE/SDR 11, Trench or Plow	\$	3,299.04
Fiber Optic Conduit, 2-2" HDPE/SDR 11, Trench or Plow	\$	1,000.44
Fiber Optic Conduit, 2-1" & 1-2" HDPE/SDR 11, Trench or Plow	\$	5,411.09
Fiber Optic Conduit, 2-1" & 2-2" HDPE/SDR 11, Trench or Plow	\$	11,961.60
Fiber Optic Patch Panel, 12 Port, F&I	\$	7,930.26
Conductors, F&I, Insulated, #10	\$	622.89
Conductors, F&I, Insulated, #2	\$	4,089.05
Conductors, F&I, Insulated, #1	\$	1,357.80
Conductors, F&I, Insulated, #1/0	\$	678.96
Conductors, F&I, Surface Mount, RGS	\$	676.26
	\$	42,836.43

UNDERRUN THE FOLLOWING ITEMS:

Fiber Optic Conduit, 1-1" HDPE/SDR 11, Wall Mounted	\$	(1,170.45)
Fiber Optic Conduit, 2-1" HDPE/SDR 11, Trench or Plow	\$	(2,683.72)
Fiber Optic Conduit, 2-1" HDPE/SDR 11, Wall Mounted	\$	(260.10)
Fiber Optic Conduit, 3-1" HDPE/SDR 11, Wall Mounted	\$	(268.40)
Fiber Optic Conduit, 1-2" HDPE/SDR 11, Bore	\$	(8,435.78)
Fiber Optic Conduit, 2-1" & 1-2" HDPE/SDR 11, Bore	\$	(11,106.45)
Fiber Optic Conduit, 2-1" & 2-2" HDPE/SDR 11, Bore	\$	(27,327.30)
Fiber Optic Conduit, 6" HDPE Outer Duct w/ 1-2" HDPE/SDR 11, Bore	\$	(15,632.28)
Fiber Optic Conduit, 6" HDPE Outer Duct w/ 2-2" HDPE/SDR 11, Bore	\$	(7,736.74)
Fiber Optic Conduit, 6" HDPE Outer Duct w/ 3-2" HDPE/SDR 11, Bore	\$	(3,312.80)
Fiber Optic Conduit, 6" HDPE Outer Duct w/ 2-1" & 1-2" HDPE/SDR 11, Bore	\$	(7,412.80)
Fiber Optic Conduit, 8" HDPE Outer Duct w/ 2-1" & 3-2" HDPE/SDR 11, Bore	\$	(1,240.56)
Fiber Optic Conduit, 8" HDPE Outer Duct w/ 2-1" & 4-2" HDPE/SDR 11, Bore	\$	(3,176.10)
Allowance for Disputes Review Board	\$	(10,000.00)
Work Order Allowance	\$	(40,600.52)
	\$	(140,364.00)

Subtotal: Adjustments for Contract Items \$ (97,527.57)

Time Extension - Tropical Storm Hermine

Tropical Depression #9 was later upgraded into Tropical Storm Hermine on the morning of August 31, 2016. The Contractor's schedule was impacted from August 30, 2016 to September 2, 2016. CFX has agreed to grant 4 non-compensable days for weather impacts from the storm. This time extension is consistent with Article 6.7.3 of the Contract.

Increase Contract Time 4 Non-Compensable Calendar Days

Time Extension - Added Work

Multiple locations on the project required the addition of a new fiber optic conduit. Further, there were a number of locations where a fiber patch panel had to be added and cabinets reorganized in order to land the fiber optic cable. The Contractor's schedule was impacted by these additional work items. CFX has agreed to grant 3 non-compensable days for delays resulting from this work in accordance with Contract General Specifications 2.3.2.7 Extra Work.

Increase Contract Time 3 Non-Compensable Calendar Days

Adjustments of Unit Prices for Rounding Error

The unit prices submitted in the original bid were carried out beyond 2 decimal places. In order to account for the difference between the 2 decimal unit prices used for calculating the overrun/underrun amounts on the Supplemental Agreement and the actual unit prices used to establish the original contract amount, an adjustment of \$2.51 is necessary.

INCREASE THE FOLLOWING ITEM:

Adjustments for Unit Prices	\$	2.51
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<b><u>TOTAL AMOUNT FOR PROJECT 599-526A</u></b>	<b>\$</b>	<b><u>(97,525.06)</u></b>
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**Contract 417-301C: SR 417/Boggy Creek Rd. Interchange Improvements Phase III**  
**SEMA Construction**  
**SA 417-301C-1116-07**

Limerock Thickness Adjustment

Thickness adjustments in accordance with Standard Specification Section 285-7 are as follows:

ADD THE FOLLOWING ITEMS:

Base Group 2 Thickness Adjustment	\$ 5,584.00
Base Group 4 Thickness Adjustment	\$ 4,509.00
Base Group 11 Thickness Adjustment	<u>\$ 16,870.00</u>
	\$ 26,963.00

Disposition of Defective Material Adjustment

Adjustments in accordance with General Specification Section 4.6 are as follows:

ADD THE FOLLOWING ITEMS:

PG 76-22, FC-5, Dark Granite, DDM Adj.	\$ (1,764.00)
Class IV Concrete, Mass-Substructure, DDM Adj.	\$ (757.76)
Precast Prestressed Spliced U-Girders, 84", DDM Adj.	<u>\$ (3,377.58)</u>
	\$ (5,899.34)

Fuel Price Index Adjustment

The Contract contains provisions for Fuel Price Index adjustments. In accordance with the Contract specifications, the Engineer has calculated adjustments for the period of July 2015 - February 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 \$72,878,051.52 of construction was performed/produced.

ADD THE FOLLOWING ITEMS:

Bid Month: 9/13 Gas Base Price=2.8715; Diesel Base Price=3.2633

Fuel Price Adjustment July 2015 (Gas Price=2.0297; Diesel Price=1.9660)	\$ (3,694.82)
Fuel Price Adjustment August 2015 (Gas Price=1.7920; Diesel Price=1.6478)	\$ (6,782.34)
Fuel Price Adjustment September 2015 (Gas Price=1.5303; Diesel Price=1.6297)	\$ (2,757.20)
Fuel Price Adjustment October 2015  (Gas Price=1.5420; Diesel Price=1.5847)	\$ 211.17
Fuel Price Adjustment November 2015 (Gas Price=1.4882; Diesel Price=1.5633)	\$ (30,679.08)
Fuel Price Adjustment December 2015 (Gas Price=1.3555; Diesel Price=1.3852)	\$ (43,270.95)
Fuel Price Adjustment January 2016 (Gas Price=1.3468; Diesel Price=1.2602)	\$ (17,785.04)
Fuel Price Adjustment February 2016 (Gas Price=1.1907; Diesel Price=1.1750)	<u>\$ (2,603.81)</u>
	\$ (107,362.07)

Bituminous Price Index Adjustment

The Contract contains provisions for Bituminous Price Index adjustments. Accordingly, the Engineer has calculated adjustments for the period of November 2014 - February 2016.

ADD THE FOLLOWING ITEMS:

Bid Month: 9/13 AC Base Price=2.4949; Polymer Base Price=3.1675

Bituminous Price Adjustment November 2014 (AC Price=2.4871; Polymer Price=3.1579)	\$	330.05
Bituminous Price Adjustment July 2015 (AC Price=1.8792; Polymer Price=2.4357)	\$	(4,661.10)
Bituminous Price Adjustment August 2015 (AC Price=1.9241; Polymer Price=2.4110)	\$	(6,558.98)
Bituminous Price Adjustment September 2015 (AC Price=1.8838; Polymer Price=2.3338)	\$	(3,302.08)
Bituminous Price Adjustment October 2015 (AC Price=1.8128; Polymer Price=2.2994)	\$	(19,451.55)
Bituminous Price Adjustment November 2015 (AC Price=1.7860; Polymer Price=2.2496)	\$	(27,479.10)
Bituminous Price Adjustment December 2015 (AC Price=1.7342; Polymer Price=2.1852)	\$	(56,927.75)
Bituminous Price Adjustment January 2016 (AC Price=2.4148; Polymer Price=3.0423)	\$	(22,282.48)
Bituminous Price Adjustment February 2016 (AC Price=2.3280; Polymer Price=3.0316)	\$	(4,443.34)
	\$	(144,776.33)

Guardrail Anchor Assemblies

Pay items for the bridge and concrete barrier wall end anchorage assemblies were omitted from the contract and the cost of these items are being added by Supplemental Agreement.

ADD THE FOLLOWING ITEM:

Guardrail Anchor Assemblies, F&I	\$	26,156.60
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End Bent Reinforcing Tie Strips

This pay item was not included in the bidding documents, but the work was required.

ADD THE FOLLOWING ITEM:

End Bent Reinforcement Tie Strips	\$	14,486.55
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Bridge I D-2 Diaphragm Rebar

The reinforcing steel schedule on Plan Sheet B3-136 only reflected a quantity of 1 Type D2 Diaphragm for Ramp I.

ADD THE FOLLOWING ITEM:

Bridge I D-2 Diaphragm Rebar	\$	17,884.75
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Existing Pipe Desilting

Although the contract identifies the requirement for videotaping the existing drainage pipe, the work could not be accomplished until the pipes were desilted. Consequently CFX authorized the desilting on a force account basis.

ADD THE FOLLOWING ITEM:

Existing Pipe Desilting	\$	104,093.67
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South Access Mill and Pave 7"

A portion of the existing base material was exposed while milling along South Access Road and after coring was found to be less than the anticipated thickness. In order to transition to the existing left shoulder to tie-in to the area being milled and resurfaced, the profile of the existing paved shoulder required adjusting.

ADD THE FOLLOWING ITEM:

South Access Mill and Pave 7"	\$	19,501.41
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Slope Pavement Replacement

The existing slope pavement had settled significantly which required removal and replacement.

ADD THE FOLLOWING ITEM:

Slope Pavement Replacement	\$	10,690.51
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Field Office

The Contractor provided a field office for a period of time beyond that specified in the Contract.

ADD THE FOLLOWING ITEM:

Field Office	\$	875.00
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Composite Pay Factor (CPF) Adjustments

CFX wishes to add the following items to allow for CPF adjustments in accordance with Standard Specifications 334-8.3 and 337-12.3. This specification provides for a pay adjustment on asphalt placed with calculated pay factors for proximity to target for characteristics including asphalt binder content and gradation.

ADD THE FOLLOWING ITEMS:

Lot 1 CPF Adjustment (CPF 1.04)	\$	4,979.22
Lot 2 CPF Adjustment (CPF 1.02)	\$	1,346.67
Lot 3 CPF Adjustment (CPF 0.94)	\$	(6,573.89)
Lot 4 CPF Adjustment (CPF 1.05)	\$	4,283.73
Lot 6 CPF Adjustment (CPF 1.03)	\$	3,386.90
Lot 8 CPF Adjustment (CPF 1.04)	\$	5,782.76
Lot 9 CPF Adjustment (CPF 0.93)	\$	(9,960.10)
Lot 10 CPF Adjustment (CPF 1.04)	\$	7,353.33
Lot 11 CPF Adjustment (CPF 1.02)	\$	838.50
Lot 12 CPF Adjustment (CPF 1.05)	\$	6,386.91
Lot 13 CPF Adjustment (CPF 1.03)	\$	8,309.02
Lot 15 CPF Adjustment (CPF 1.02)	\$	5,542.40
Lot 16 CPF Adjustment (CPF 1.02)	\$	1,073.16
Lot 18 CPF Adjustment (CPF 1.01)	\$	2,866.09
Lot 20 CPF Adjustment (CPF 1.01)	\$	524.67
	\$	<u>36,139.37</u>

Completed Pay Items of Work

CFX wishes to adjust quantities for completed pay items in the contract. The following will adjust contract quantities to reflect the actual authorized and constructed quantities under the contract.

INCREASE THE FOLLOWING ITEMS:

Changeable Variable Message Sign, Temp	\$	2,688.00
Milling Existing Pavement, 1" Avg. Depth	\$	26,719.50
Milling Existing Pavement, 1 1/2" Avg.	\$	2,056.56
Milling Existing Pavement, 3/4" Avg.	\$	2,039.40
Superpave Asphaltic Concrete, Traffic C	\$	78,033.60
Superpave Asphaltic Concrete, Traffic C, PG 76-22	\$	52,747.20
Asphaltic Concrete Friction Course Inc. Bit./PG 76-22, FC-5, Dark Granite	\$	40,684.00
Asphaltic Concrete Friction Course Inc. Bit./PG 76-22, FC-9.5, Dark Granite	\$	184,890.00
Miscellaneous Asphaltic Pavement	\$	1,845.00
Reinforcing Steel (Superstructure)	\$	19,407.85
Inlets, Gutter, Type S, <10'	\$	2,600.00
Pipe Culvert RCP, Round, 36"	\$	13,200.00
Pipe Culvert RCP, Round, 42", Class V	\$	3,220.00
Mitered End Section, Optional Round, 42" CD	\$	3,000.00
Piles, Polyethylene Sheeting	\$	20,592.00
Multi Rotational Bearing Assembly-Expansion, 1501-1750 Kips	\$	30,800.00
Shoulder Gutter Concrete	\$	6,256.00
Concrete Traffic Railing-System Mount w/ Sleeper Slab, 32" F Shape	\$	8,200.00
Concrete Sidewalk, 4" Thick	\$	32,895.00
Concrete Ditch Pavement Reinforced, 4"	\$	126.00
Guardrail, Roadway	\$	6,180.00
Directional Bore, 6" to 12"	\$	2,352.00
Sign Structure Painting	\$	4,800.00
Performance Turf, Sod	\$	130,077.00
Conduit, F&I, Underground	\$	3,351.60
Fiber Optic Cable Inventory	\$	820.00
Fiber Optic Splice Housing Inventory	\$	1,640.00
Fiber Optic Cable, F&I, 12 Fiber	\$	219.30
Fiber Optic Fusion Splice Enclosure Re-Entry	\$	440.00
Pull Junction Boxes, F&I, Pull Box	\$	3,100.00
Fiber Optic Conduit, 2-1" HDPE/SDR II, Trench	\$	61.50
Fiber Optic Conduit, 8-1" HDPE/SDR II, Trench or Plow	\$	7,989.50
Fiber Optic Conduit, 6" BSP, 8-1" HDPE/SDR II, Directional Bore	\$	5,070.00
Fiber Optic 6" BSP Split Outer Duct	\$	350.00
Fiber Optic 6" BSP Split Outer Duct w/ Conduit 2-1" HDPE/SDR II, Trench	\$	1,720.00
Fiber Optic 4" PVC Outer Duct w/ Conduit 4-1" HDPE/SDR II, Trench	\$	105.00
Electrical Service Wire, F&I	\$	672.00
Loop Assembly, F&I, Type B	\$	2,160.00
Loop Assembly, F&I, Type F	\$	5,500.00
Traffic Monitoring Station, Reconfigure Existing Site	\$	2,900.00
Remote Power Manager, F&I	\$	860.00
Multi-Post Sign, Remove	\$	700.00
Sign Panel, F&I, 101-200SF	\$	17,400.00
Sign Panel, Remove	\$	340.00
Retro-Reflective Pavement Marker	\$	1,064.20
Thermoplastic, Std., White, Solid, 6"	\$	2,070.90

Thermoplastic, Std., White, Solid, 8"	\$	287.77
Thermoplastic, Std., White, Solid, 12"	\$	979.20
Thermoplastic, Std., White, Solid, 18"	\$	488.40
Thermoplastic, Std., White, Skip, 6"	\$	83.20
Thermoplastic, Std., White, D/G/E, 6"	\$	133.20
Thermoplastic, Std., Yellow, Solid, 6"	\$	1,143.80
Pavement Marking-Preformed Tape, HP, White, Solid, 8"	\$	14,768.10
Pavement Marking-Preformed Tape, HP, White, Solid, 18"	\$	8,040.00
Pavement Marking-Preformed Tape, HP, White, Skip 3'-12', 12"	\$	2,315.40
Pavement Marking-Preformed Tape, HP, Yellow, Solid, 6"	\$	3,040.00
Pavement Marking-Preformed Tape, HP, Contrast, Solid, 9"	\$	15,989.40
Pavement Marking-Preformed Tape, HP, Contrast, Skip 10'-30', 9"	\$	5,887.20
Lighting Conductors, F&I, #8 to #6	\$	6,206.55
Lighting Conductors, F&I, #4 to #2	\$	33,846.54
Lighting Conduit, F&I, Underground	\$	1,096.20
Tubular Route Marker	\$	855.00
Allowance for Disputes Review Board	\$	11,000.00
Utility Structure Below Ground	\$	21,766.80
	\$	<u>861,869.87</u>

DECREASE THE FOLLOWING ITEMS:

MOT for Roadway Repair Contingency	\$	(12,500.00)
Excavation Regular	\$	(29,436.00)
Stabilization Type B	\$	(41,776.00)
Limerock Base, Base Group 11, 12" LBR 100, w/ Prime	\$	(3,472.00)
Milling Existing Pavement, 1 3/4" Avg. Depth	\$	(5,287.50)
Roadway Repair Contingency	\$	(34,500.00)
Class IV Concrete, Mass-Substructure	\$	(6,804.00)
Reinforcing Steel, Substructure	\$	(19,671.20)
Pipe Culvert RCP, Round, 24", Class V	\$	(1,005.00)
U-Endwall w/ Baffles, 1:6 Slope, 18"	\$	(2,900.00)
Video Inspect Existing Pipe	\$	(7,972.25)
Multi Rotational Bearing Assembly-Expansion, 1751-2000 Kips	\$	(34,400.00)
Rip Rap, Rubble	\$	(4,968.00)
Guardrail End Anchorage Assembly, Flared, SRT-350 Only	\$	(3,000.00)
Guardrail End Anchorage Assembly, Type II	\$	(430.00)
Retaining Wall System-Permanent, Excluding Barrier	\$	(14,168.00)
Fencing, Type B, Std.	\$	(420.00)
Fiber Optic Cable, F&I, 72 Fiber	\$	(514.80)
System Auxiliaries, Relocate, CCTV Camera Assembly	\$	(4,000.00)
Thermoplastic, Std., White, Solid, 24"	\$	(632.50)
Thermoplastic, Std., White, Message	\$	(8,400.00)
Thermoplastic, Std., White, Arrows	\$	(2,550.00)
Lighting Conductors, F&I, #10 or Smaller	\$	(102.00)
Light Pole Comp., F&I, Standard, 130MPH, 45'	\$	(32,400.00)
Lighting Pull Box, F&I, Roadside, Moulded	\$	(1,110.00)
Pole Cable Distribution System, Conventional	\$	(12,600.00)
Work Order Allowance	\$	<u>(180,709.82)</u>
	\$	(465,729.07)

Subtotal: Completed Pay Items of Work \$ 396,140.80

**TOTAL AMOUNT FOR PROJECT 417-301C** **\$ 394,893.92**

**Contract 417-733: SR 417 Milling & Resurfacing, International Dr. to Moss Park Rd.  
Ranger Construction Industries, Inc.  
SA 417-733-1116-04**

Narcoossee Rd. Southbound Exit Ramp

The southbound exit ramp at Narcoossee Rd. and SR 417 warrants an exclusive dual left turn lane for vehicles traveling in the westbound direction from SR 417. It was determined by CFX that this work should be added to the scope of work for this contract. Plans for SR 417 southbound off ramp at Narcoossee Rd. dated May 27, 2016 were issued by the Engineer of Record (EOR) to implement these changes into the contract.

ADD THE FOLLOWING ITEMS:

Mobilization, 1 LS	\$	9,300.00
Maintenance of Traffic, 1 LS	\$	11,210.00
Portable Changeable Message Sign, Temporary, 1 LS	\$	235.00
Erosion Control, 1 LS	\$	495.00
Clearing and Grubbing, 1 LS	\$	5,700.00
Optional Base Group 9, Type B, 12.5, 28.4 SY	\$	145.00
Superpave Asphaltic Concrete, Traffic C, 4.7 TN	\$	490.00
Open Inlet, Concrete Flume, 1 EA	\$	5,600.00
Concrete Curb and Gutter, Type E, 57 LF	\$	35.00
Signal Cable, New or Reconstructed Intersection, F&I, 1 PI	\$	1,410.00
Signal Cable, Remove Intersection, 1 PI	\$	410.00
Span Wire Assembly, F&I, 2 Point, Perpendicular, 1 PI	\$	1,148.00
Span Wire Assembly, Remove, Poles Remain, 1 PI	\$	295.00
Traffic Signal, F&I, Aluminum, 3 Section, 1 Way, 3 AS	\$	1,159.00
Traffic Signal, Remove, 3 AS	\$	120.00
Loop Detector Inductive, F&I, Type 9, 1 EA	\$	300.00
Traffic Controller Assembly, Modify, 1 AS	\$	440.00
Island Nose, Yellow, 8 SF	\$	2.35
Solid Traffic Stripe, Thermoplastic, White, 12", 114 LF	\$	2.94
Solid Traffic Stripe, Thermoplastic, Yellow, 6", 0.023 GM	\$	9,400.00
Thermoplastic Pavement Marking Removal, 250 SF	\$	1.75
	\$	<u>47,899.04</u>

INCREASE THE FOLLOWING ITEM:

Solid Traffic Stripe, PPRT, White, 8", 597 LF	\$	2,459.64
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Subtotal: Narcoossee Rd. Southbound Exit Ramp	\$	50,358.68
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Base Repairs

The extent of base repairs necessary to make the project functional were difficult to predetermine and consequently were underestimated on this project. This Supplemental Agreement will provide the funds necessary for these additional repairs.

INCREASE THE FOLLOWING ITEMS:

Roadway Repair, Base Repair, 637.5 TN	\$	57,375.00
Roadway Repair, Emergency Base Repair, 394.2 TN	\$	35,478.00
	\$	<u>92,853.00</u>

Time Extension

The majority of work on this contract is asphalt paving which has various weather restrictions outlined in the contract. The Contract does not include an allowance for delays caused by the effects of inclement weather. Therefore, CFX would like to add contract language that allows the addition of non-compensable contract time for paving operations adversely affected by inclement weather. In addition, CFX would like to add 45 calendar days for adverse weather that occurred since contract time began. This includes time for both tropical storms Colin and Hermine.

Increase Contract Time 45 Non-Compensable Calendar Days

**TOTAL AMOUNT FOR PROJECT 417-733**

**\$145,116.30**

**Contract 599-132: Design/Build for Backup Data Center**  
**Gomez Construction Co.**  
**SA 599-132-1116-03**

Contract Pay Items Quantity Adjustments

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.

UNDERRUN THE FOLLOWING ITEMS:

Work Order Allowance	\$ (16,581.97)
Disputes Review Board	\$ <u>(10,000.00)</u>
	\$ (26,581.97)

**TOTAL AMOUNT FOR PROJECT 599-132**

**(\$26,581.97)**

**Contract 528-313: SR 528/Innovation Way Interchange  
Lane Construction Corp.  
SA 528-313-1116-02**

Wet Well Structure Liner

The Innovation Way Extension plans prepared for Suburban Land Reserve, Inc. (SLR) include the construction of a future lift station (wet well) tract on Aerospace Parkway to be dedicated to Orange County. The plans specified the wet well structure be bitumastic coated inside and out to achieve a 16 mil dry film. The Engineer of Record (EOR) subsequently required the wet well structure to be upgraded to include a dyed waterproofing admixture in the concrete casting and an interior 5mm HDPE liner. Consistent with the Innovation Way Interchange Agreement, this entire change has been approved and will be reimbursed by SLR.

ADD THE FOLLOWING ITEM:

Wet Well Structure Liner	\$	29,991.12
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Pressurized Sewer Force Main PVC Pipe

The Innovation Way Extension plans prepared for SLR include the construction of pressurized sewer force main along Aerospace Parkway to be dedicated to Orange County. The plans specified the pressure class of force main PVC pipe to be DR-25. The EOR subsequently required the pressure class of force main PVC pipe to be upgraded to DR-18. Consistent with the Innovation Way Agreement, this entire change has been approved and will be reimbursed by SLR.

ADD THE FOLLOWING ITEM:

Pressurized Sewer Force Main PVC Pipe	\$	13,505.93
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Underdrain, Type 1

The quantity of the underdrain along Aerospace Parkway was understated in the contract. CFX wishes to correct this oversight by compensating the Contractor at original bid unit prices for the correct amount of underdrain required to construct the project. Consistent with the Innovation Way Agreement, the cost of this quantity increase has been approved and will be reimbursed by SLR.

INCREASE THE FOLLOWING ITEM:

Underdrain, Type 1	\$	15,484.00
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Underdrain, Type 2 Upgrade

The Innovation Way Extension plans prepared for SLR include the construction of underdrain, Type 1 along Aerospace Parkway to be dedicated to Orange County. The County has recommended the underdrain be upgraded to Type 2 as this is their standard. This change compensates the Contractor for costs directly associated to upgrade all underdrain to Type 2.

ADD THE FOLLOWING ITEM:

Underdrain, Type 2 Upgrade	\$	3,644.00
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Type R Fence, Vinyl Coat

The contract documents did not specify a fence coating required for the Innovation Way bridges. It is CFX's intent for all fence to receive black vinyl coating. CFX wishes to correct this oversight by compensating the Contractor for the costs associated with the black vinyl coated fence required on the Innovation Way bridges.

ADD THE FOLLOWING ITEM:

Type R Fence, Vinyl Coat	\$	15,760.50
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Incorporate Updated Contract Provisions

Incorporate the provisions outlined by FDOT District Construction Engineer Memo 22-15 in the contract. The memo updates and modifies the FM 1-T 166 test method.

**TOTAL AMOUNT FOR PROJECT 528-313**

**\$78,385.55**



**Contract 417-731A: SR 417 Milling & Resurfacing, SR 50 to Orange/Seminole Co. Line  
Preferred Materials, Inc.  
SA 417-731A-1116-03**

Contract Pay Items Quantity Adjustments

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

**OVERRUN THE FOLLOWING ITEMS:**

Temporary Traffic Detection & Maintenance, Intersection	\$	72.00
Superpave Asphaltic Concrete, Traffic D, PG 76-22	\$	57,194.21
Roadway Repair, Base Repair	\$	30,843.83
Asphalt Concrete Friction Course, Inc. Bit., FC-5, PG 76-22 PMA, Black Granite	\$	30,841.51
Asphalt Concrete Friction Course, Inc. Bit., FC-12.5, PG 76-22 PMA, Black Granite	\$	11,283.39
Loop Assembly, F&I, Type B	\$	3,600.00
Single Post Sign, F&I, Ground Mount, >12 SF	\$	709.60
Single Post Sign, F&I, Barrier Mount, >12 SF	\$	929.80
Directional Arrow, Thermo	\$	479.75
Solid Traffic Stripe, PPRT, Yellow, 8"	\$	11.10
Pavement Message, PPRT	\$	2,424.20
Asphalt Concrete Friction Course, Inc. Bit, FC-5, PG 76-22	\$	529.60
Solid Traffic Stripe, PPRT, White, 8"	\$	129.60
Skip Traffic Stripe, PPRT, White, 3'-12', 12"	\$	184.18
Solid Traffic Stripe, PPRT, Contrast, White/Black, 9"	\$	28.71
Skip Traffic Stripe, Thermo, Open Graded, White, 3'-12', 12"	\$	515.13
Solid Traffic Stripe, PPRT, White, 8"	\$	67,670.40
Solid Traffic Stripe, PPRT, White, 12"	\$	9,724.00
Solid Traffic Stripe, PPRT, White, 18"	\$	59,677.20
Skip Traffic Stripe, PPRT, White, 3'-12', 12"	\$	6,353.61
Solid Traffic Stripe, PPRT, Yellow, 6"	\$	103,391.75
Solid Traffic Stripe, PPRT, Contrast, White/Black, 9"	\$	143,110.08
Skip Traffic Stripe, PPRT, Contrast, White/Black, 10'-30', 9"	\$	62,599.43
	\$	<u>592,303.08</u>

**UNDERRUN THE FOLLOWING ITEMS:**

Maintenance of Traffic for Roadway Repair Contingency	\$	(36,432.00)
Roadway Repair Contingency	\$	(357,554.95)
Sod, Performance Turf	\$	(19,849.05)
Loop Assembly, F&I, Type F	\$	(3,200.00)
Single Post Sign, Remove	\$	(58.75)
Delineator, Flexible Tubular	\$	(85.90)
Retro-Reflective Pavement Markers	\$	(3,018.35)
Solid Traffic Stripe, Thermoplastic, White, 12"	\$	(335.72)
Solid Traffic Stripe, Thermoplastic, White, 24"	\$	(971.70)
Dotted Traffic Stripe, Thermoplastic, White, 2'-4', 6"	\$	(16.80)
Pavement Message, Thermo	\$	(4,636.75)
Solid Traffic Stripe, PPRT, White, 6"	\$	(804.89)
Solid Traffic Stripe, PPRT, White, 8"	\$	(63,488.70)
Solid Traffic Stripe, PPRT, White, 12"	\$	(8,262.00)

Solid Traffic Stripe, PPRT, White, 18"	\$	(58,443.00)
Skip Traffic Stripe, PPRT, White, 3'-12', 12"	\$	(4,671.47)
Solid Traffic Stripe, PPRT, Yellow, 6"	\$	(111,093.09)
Solid Traffic Stripe, PPRT, Yellow, 18"	\$	(3,121.80)
Solid Traffic Stripe, PPRT, Contrast, White/Black, 9"	\$	(148,626.35)
Skip Traffic Stripe, PPRT, Contrast, White/Black, 10'-30', 9"	\$	(60,023.68)
Tape Pavement Marking Removal	\$	(638.55)
Allowance for Disputes Review Board	\$	(10,000.00)
Work Order Allowance	\$	(300,000.00)
Milling Existing Asphalt 3/4" Depth	\$	(777.00)
Retro-Reflective Pavement Markers	\$	(29.70)
Solid Traffic Stripe, PPRT, White, 12"	\$	(679.40)
Solid Traffic Stripe, PPRT, White, 18"	\$	(231.80)
Solid Traffic Stripe, Thermo, Open Graded, White, 6"	\$	(868.96)
Solid Traffic Stripe, Thermo, Open Graded, White, 8"	\$	(2,566.19)
Solid Traffic Stripe, Thermo, Open Graded, White, 12"	\$	(351.00)
Solid Traffic Stripe, Thermo, Open Graded, White, 18"	\$	(388.93)
Skip Traffic Stripe, Thermo, Open Graded, White, 10'-30', 6"	\$	(797.88)
Solid Traffic Stripe, Thermo, Open Graded, Yellow, 6"	\$	(70.94)
	\$	(1,202,095.30)

Subtotal: Adjustments for Contract Items \$ (609,792.22)

Composite Pay Factor (CPF) & Straightedge Deficiency Adjustments

Lot 1 CPF Adjustment, CPF 0.99	\$	(1,722.60)
Lot 2 CPF Adjustment, CPF 1.02	\$	3,400.29
Lot 3 CPF Adjustment, CPF 1.04	\$	6,852.97
Lot 4 CPF Adjustment, CPF 1.03	\$	5,154.45
Lot 5 CPF Adjustment, CPF 0.89	\$	(4,952.72)
Lot 6 CPF Adjustment, CPF 0.99	\$	(1,723.78)
Lot 7 CPF Adjustment, CPF 1.05	\$	6,269.49
Lot 8 CPF Adjustment, CPF 1.04	\$	6,902.25
Lot 9 CPF Adjustment, CPF 1.03	\$	5,155.49
Lot 10 CPF Adjustment, CPF 1.05	\$	8,326.28
Lot 12 CPF Adjustment, CPF 1.03	\$	5,184.00
Lot 15 CPF Adjustment, CPF 1.02	\$	1,784.90
Lot 14 CPF Adjustment, CPF 0.97	\$	(3,503.47)
Lot 18 CPF Adjustment, CPF 1.02	\$	3,788.12
Lot 19 CPF Adjustment, CPF 1.03	\$	904.38
Lot 17 CPF Adjustment, CPF 0.95	\$	(9,216.05)
Lot 22 CPF Adjustment, CPF 1.05	\$	12,339.07
Lot 23 CPF Adjustment, CPF 1.05	\$	12,345.00
Lot 24 CPF Adjustment, CPF 0.96	\$	(9,672.90)
Straightedge Deficiency Mainline, Lane L2 Sta. 1239+99	\$	(938.30)
	\$	46,676.87

**TOTAL AMOUNT FOR PROJECT 417-731A** \$ **(563,115.35)**

**Contract 528-405: SR 528 Airport Mainline Toll Plaza Demolition & Ramp Plaza Construction**  
**Southland Construction, Inc.**  
**SA 528-405-1116-05**

Cast in Place Walls (Via Flora)

CFX requested cast in place walls be constructed at Via Flora at SR 528. These are being installed to improve the overall safety and aesthetics at this location.

ADD THE FOLLOWING ITEM:

Cast in Place Walls (Via Flora)

\$ 80,430.32

**TOTAL AMOUNT FOR PROJECT 528-405**

**\$ 80,430.32**