

# CENTRAL FLORIDA EXPRESSWAY AUTHORITY

## MEMORANDUM

TO: CFX Board Members

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

DATE: August 22, 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.	Name	Contract Description	Original Contract Amount (\$)	Previous Authorized Adjustments (\$)	Requested (\$) September 2016	Total Amount (\$) to Date*	Time Increase or Decrease
429-204	Southland Construction, Inc.	SR 429 Systems Interchange	\$ 79,625,302.60	\$ -	\$ 1,059,386.88	\$ 80,684,689.48	0
599-738	Air Mechanical & Service Corp.	HQ Building Computer Room HVAC & UPS Upgrades	\$ 455,836.00	\$ 95,092.01	\$ (17,655.36)	\$ 533,272.65	0
253F	Lane Construction Corp.	SR 408/SR 417 Interchange Improvements Phase I	\$ 36,744,623.00	\$ (764,747.99)	\$ 48,839.47	\$ 36,028,714.48	0
599-729	United Signs & Signals, Inc.	SR 408, SR 417 & SR 429 Guide Sign Improvements	\$ 735,801.83	\$ 12,238.40	\$ (2,932.62)	\$ 745,107.61	0
TOTAL					\$ 1,087,638.37		

\* Includes Requested Amount for current month.

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

**Contract 429-204: SR 429 Systems Interchange**  
**Southland Construction, Inc.**  
**SA 429-204-0916-01**

**Increase of Prestressed Concrete Pile Quantity**

This change is required by the terms of the Contract and is directly attributable to the subsurface conditions encountered while constructing the deep foundations for the bridge structures on this project. Additional linear footage of prestressed concrete piling was required for both test and production piles due to significant variability in the subsurface geotechnical conditions encountered at all bridges. Although the contract established 59,161 lineal feet of production piling, the test pile program identified the requirement for longer production pile lengths resulting in an additional quantity of 7,844 linear feet. As a separate issue, the compensation for preforming the pile pilot hole when dictated by subsurface conditions is not included in the Contract amount. Contract specifications provide that the preforming of pile pilot holes are to be paid per linear foot as a percentage of the piling contract pay item. As such, an additional 7,134 linear feet of the concrete piling pay item and 567 linear feet of the test pile pay item is required to compensate the Contractor for this work in accordance with the Contract. There is no time impact as a result of these additional quantities.

**INCREASE THE FOLLOWING ITEMS:**

Prestressed Concrete Piling, 18" Square	\$ 944,512.68
Test Piles-Prestressed Concrete Piling, 18" Square	\$ 114,874.20
	<u>\$ 1,059,386.88</u>

<u><b>TOTAL AMOUNT FOR PROJECT 429-204</b></u>	<u><b>\$ 1,059,386.88</b></u>
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**Contract 599-738: HQ Building Computer Room HVAC & UPS Upgrades**  
**Air Mechanical & Service Corp.**  
**SA 599-738-0916-03**

Adjustments for Contract Items

The Central Florida Expressway Authority wishes to reduce the amount of the Contract for unused portion of the allowances that were contained in the Contract.

DECREASE THE FOLLOWING ITEMS:

Work Order Allowance	\$ (12,655.36)
Allowance for Disputes Review Board	\$ (5,000.00)
	\$ (17,655.36)

<b><u>TOTAL AMOUNT FOR PROJECT 599-738</u></b>	<b><u>\$ (17,655.36)</u></b>
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**Contract 253F: SR 408/SR 417 Interchange Improvements Phase I**  
**Lane Construction Corp.**  
**SA 253F-0916-02**

Additional Paving in Traffic Control Plan Phase 1 Stage 1B

Traffic Control Plan Phase 1 Stage 1B required additional milling and resurfacing to provide the necessary grade transitions for acceptable ride quality in the gore areas and to cover existing rumble strips and flatten the shoulder cross slope to match the existing travel lanes.

ADD THE FOLLOWING ITEM:

Additional Paving for Phase 1 Stage 1B	\$	48,839.47
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Incorporate Updated Contract Provisions

Incorporate the provisions outlined by FDOT District Construction Engineer Memo 22-15 into the contract. This memo updates and modifies the FM 1-T 166 test method. Additionally, incorporate the provisions outlined by 2015 FDOT Specification 200-7.2.3 into the contract allowing an adjustment in the point of material sampling embankment and base material.

<b><u>TOTAL AMOUNT FOR PROJECT 253F</u></b>	<b>\$</b>	<b><u>48,839.47</u></b>
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**Contract 599-729: SR 408, SR 417 & SR 426 Guide Sign Improvements**  
**United Signs & Signals, Inc.**  
**SA 599-729-0916-02**

Adjustments for Contract Items

The Central Florida Expressway Authority wishes to reduce the amount of the Contract for unused portion of the allowances that were contained in the Contract.

DECREASE THE FOLLOWING ITEMS:

Allowance for Disputes Review Board	\$ (3,000.00)
Work Order Allowance	\$ (4,417.85)
	\$ (7,417.85)

Prepare Luminaires for Painting

The Central Florida Expressway Authority wishes to include the additional surface preparation work required to prepare galvanized sign luminaire arms and mounting hardware for coating. This cost includes the additional maintenance of traffic associated with this work.

ADD THE FOLLOWING ITEM:

Prepare Surface of Monotube Sign Hangers & Mounting Hardware	\$ 4,485.23
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<b><u>TOTAL AMOUNT FOR PROJECT 599-729</u></b>	<b><u>\$ (2,932.62)</u></b>
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