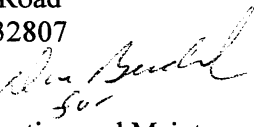


# CENTRAL FLORIDA EXPRESSWAY AUTHORITY

## MEMORANDUM

TO: Members of the Board  
Central Florida Expressway Authority  
4974 ORL Tower Road  
Orlando, Florida 32807

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

DATE: August 25, 2015

RE: Consent Agenda Item  
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 (\$) September 2015	Total Amount (\$) to Date*	Time Increase or Decrease
599-519	Advanced Cabling Solutions, Inc.	Systemwide Electronic FON Documentation	703,945.00	26,314.92	(38,559.76)	691,700.16	0
429-621	United Signs & Signals, Inc.	SR 429 Guide Sign Replacement	1,859,383.90	10,583.89	(70,339.97)	1,799,627.82	0
429-305	Southland Construction, Inc.	SR 429/Schofield Rd. Interchange	10,123,000.00	111,310.76	(432,235.53)	9,802,075.23	0
417-301C	SEMA Construction	SR 417/Boggy Creek Rd. Interchange Imp. Phase III	70,900,000.00	1,030,696.52	645,287.71	72,575,984.23	60
528-405	Southland Construction, Inc.	SR 528 Airport ML Toll Plaza Demolition & Ramp Plaza	38,708,813.52	0.00	184,344.33	38,893,157.85	0
417-110	Masci General Contractor, Inc.	SR 417 Widening, Curry Ford Rd. to Lake Underhill Rd.	10,109,586.09	(41,328.84)	23,332.87	10,091,590.12	0
TOTAL					\$311,829.65		

\* Includes Requested Amount for current month.

BD/ep

cc: Laura Kelley  
Joe Berenis, P.E.

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

**Contract 599-519: Systemwide Electronic FON Documentation**  
**Advanced Cabling Solutions, Inc.**  
**SA 599-519-0915-02**

Adjustments for Contract Items

The Authority wishes to adjust the quantities for completed pay items in the Contract. This will adjust the contract quantities to reflect the actual field measured quantities installed under the Contract.

OVERRUN THE FOLLOWING ITEMS:

Inventory Manhole/Pull Box with Splice	\$24,862.00
Inventory Field Equipment Cabinet	<u>\$19,602.00</u>
	\$44,464.00

UNDERRUN THE FOLLOWING ITEMS:

Inventory Manhole/Pull Box without Splice	(\$21,726.76)
Inventory Plaza or Building	(\$3,325.00)
Fiber Optic Fusion Splice	(\$1,472.00)
Work Order Allowance	(\$20,000.00)
Allowance for Disputes Review Board	<u>(\$5,000.00)</u>
	(\$51,523.76)

ADD THE FOLLOWING ITEM:

Liquidated Damage Assessment	(\$31,500.00)
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**TOTAL AMOUNT FOR PROJECT 599-519** **(\$38,559.76)**

**Contract 429-621: SR 429 Guide Sign Replacement**  
**United Signs & Signals, Inc.**  
**SA 429-621-0915-02**

Adjustments for Contract Items

The Authority wishes to adjust the quantities for completed pay items in the Contract. This will adjust the contract quantities to reflect the actual field measured quantities installed under the Contract.

**OVERRUN THE FOLLOWING ITEMS:**

Furnish & Install New Guardrail	\$37,122.40
Directional Bore (<6") – 2"	\$11,376.58
Furnish & Install Conduit (1" Galvanized) (Surface Mount)	\$9,620.65
Remove Multi-Post Sign Assembly	\$848.50
Furnish & Install New Sign Panel (15 Sq. Ft. or Less)	\$192.20
Remove Sign Panel	\$473.50
Furnish & Install Conductor #10 (Insulated)	\$20,500.68
Furnish & Install Pull Box Roadside (Moulded)	\$1,897.08
Furnish & Install Pull Box Surface Mount	<u>\$967.20</u>
	\$82,998.79

**UNDERRUN THE FOLLOWING ITEMS:**

Furnish & Install Guardrail Flared End Section	(\$18,904.50)
Furnish & Install Guardrail End Anchorage Assembly (Type II)	(\$3,271.89)
Furnish & Install Conduit (2" PVC Sch. 40) (Underground)	(\$6,264.24)
Furnish & Install Conduit (1" Galvanized) (Bridge Mount)	(\$432.00)
Furnish & Install New Sign Panel (16-100 Sq. Ft)	(\$764.00)
Furnish & Install Conductor #6 (Insulated)	(\$8,103.69)
Remove Luminaires On Existing Sign Assembly	(\$1,657.11)
Relocate Existing Luminaire Bracket Arm on Sign Assembly	(\$31,471.60)
Furnish & Install LED 6 Driver Box	(\$26,730.60)
Allowance for Disputes Review Board	(\$10,000.00)
Work Order Allowance	<u>(\$45,739.13)</u>
	(\$153,338.76)

Sub-Total: Adjustments for Contract Items (\$70,339.97)

**TOTAL AMOUNT FOR PROJECT 429-621** **(\$70,339.97)**

**Contract 429-305: SR 429/Schofield Rd. Interchange**  
**Southland Construction, Inc.**  
**SA 429-305-0915-002**

OC-7 & OC-8 Additional Structural Material Cost

The Authority requested the change in structure components for OC-7 and OC-8 per plan revision dated 12/11/14. A plan revision was issued by the Engineer of Record during the shop drawing review process which involved additional structural material costs and involved rework of the previously placed foundation for OC-8.

ADD THE FOLLOWING ITEM:

OC-7 and OC-8 Additional Structure Material Cost	\$79,518.94
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Revised Signs for OC-7 and OC-8

The Authority requested a change in signage for OC-7 and OC-8 to accommodate future arterial dynamic message signs.

ADD THE FOLLOWING ITEM:

Revised Signs for OC-7 and OC-8	\$19,808.07
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DECREASE THE FOLLOWING ITEM:

Sign Panel, (F&I) Overhead Mount w/ Lighting (201-300SF)	<u>(\$5,974.63)</u>
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Sub-Total: Revised Signs for OC-7 and OC-8	\$13,833.44
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Project Aerial Photos

The Authority requested to receive a copy of aerial project photos and agreed to pay for half the cost.

ADD THE FOLLOWING ITEM:

Project Aerial Photos	\$585.64
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Composite Pay Factor Adjustments

The Authority wishes to add the following items to allow for Composite Pay Factor 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 factor for proximity to target for characteristics including asphalt binder content and gradation.

ADD THE FOLLOWING ITEMS:

Lot 1 CPF Adjustment (CPF 0.97)	(\$5,093.79)
Lot 2 CPF Adjustment (CPF 1.04)	\$17,134.15
Lot 3 CPF Adjustment (CPF 1.04)	\$10,779.02
Lot 5 CPF Adjustment (CPF 1.03)	\$8,586.79
Lot 6 CPF Adjustment (CPF 1.02)	\$1,982.54
Lot 10 CPF Adjustment (CPF 1.02)	<u>\$2,988.09</u>
	\$36,376.80

### Fuel Adjustments

The Authority wishes to add the following items to allow for Fuel Price Index adjustments in accordance with General Specification, subarticle 7.2.1.1. In accordance with the Contract specifications, the Engineer has calculated adjustments for the period of August 2014 – May 2015. During this period of time \$9,587,830.11 of construction was performed/produced. Adjustments were made only if current month Fuel price is greater or less than 5% of Bid/Base Fuel price.

#### ADD THE FOLLOWING ITEMS:

Bid Month: April 2014 Gas Base Price=2.9960; Diesel Base Price=3.2251

Aug. 2014 Fuel Adj. (Gas Price=2.7015; Diesel Price=2.9803)	(\$424.28)
Sep. 2014 Fuel Adj. (Gas Price=2.7187; Diesel Price=2.9718)	(\$955.74)
Oct. 2014 Fuel Adj. (Gas Price=2.5318; Diesel Price=2.7833)	(\$9,236.94)
Nov. 2014 Fuel Adj. (Gas Price=2.1706; Diesel Price=2.6474)	(\$4,253.01)
Dec. 2014 Fuel Adj. (Gas Price=1.9837; Diesel Price=2.4271)	(\$14,461.59)
Jan. 2015 Fuel Adj. (Gas Price=1.5127; Diesel Price=1.9318)	(\$23,264.31)
Feb. 2015 Fuel Adj. (Gas Price=1.5585; Diesel Price=1.9932)	(\$45,840.00)
Mar. 2015 Fuel Adj. (Gas Price=1.8263; Diesel Price=2.1668)	(\$13,341.36)
Apr. 2015 Fuel Adj. (Gas Price=1.7175; Diesel Price=1.9965)	(\$27,045.20)
May 2015 Fuel Adj. (Gas Price=1.9765; Diesel Price=2.1583)	(\$345.47)
	(\$139,167.90)

### Bituminous Adjustments

The Authority wishes to add the following items to allow for Bituminous Price Index adjustments in accordance with General Specification, subarticle 7.2.1.1. In accordance with the Contract specifications, the Engineer has calculated adjustments for the period of March 2014 – April 2015. Adjustments were made only if current month Bituminous price is greater or less than 5% of Bid/Base Bituminous price.

#### ADD THE FOLLOWING ITEMS:

Bid Month: April 2014 AC Base Price=2.3662; Polymer Base Price=2.6057

Mar. 2015 Bit. Adj. (AC Price=2.1466; Poly Price=2.7289)	(\$3,461.43)
Apr. 2015 Bit. Adj. (AC Price=2.0230; Poly Price=2.6057)	(\$13,908.85)
	(\$17,370.28)

### Thermoplastic Pavement Message Markings

Plan sheet S-19 shows three (3) thermoplastic pavement messages “ONLY”. The Authority wishes to add the following item to allow for payment.

#### ADD THE FOLLOWING ITEM:

Thermoplastic Pavement Message Markings	\$630.00
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### Deletion of Barrier Walls on MOT Phasing

This change is as requested by the Contractor. The Contractor requested to eliminate the barrier wall as shown in SR 429 traffic control plan typical section Phase 1 (plan sheet 143) and maintain the slopes as to be acceptable and safe. Authority staff concurred with the Contractor’s request and accepted the proposed credit.

#### DELETE THE FOLLOWING ITEM:

Barrier Walls on MOT Phase 1	(\$2,630.88)
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### Deletion of Temporary Asphalt on Phase 1 MOT on Schofield Rd.

The Contractor requested to eliminate the temporary asphalt on detour as shown on Schofield Rd. traffic control plan typical section Phase 1 (plan sheet 145), due to low traffic counts, and maintain the traffic on

base surface as to be acceptable and safe. Authority staff concurred with the Contractor's request and accepted the proposed credit.

DELETE THE FOLLOWING ITEM:

Temporary Asphalt on Phase 1 MOT	(\$6,168.16)
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Additional Survey

The Contractor requested compensation for additional surveying costs associated with plan clarifications/Requests for Information (RFI). During design, the Engineer of Record utilized minimal survey and used as-built information and assumptions from the as-built to design this project. There were numerous RFI's submitted to clarify the plans due to actual field conditions not matching the design plans and assumed existing conditions. The work associated with preparing the RFI's and field corrections as a result of the RFI responses required additional survey time. Authority staff has reviewed and concurs with the Contractors request.

ADD THE FOLLOWING ITEM:

Additional Survey Cost	\$23,300.01
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Thickness Adjustments for Base Pay Items

The Authority wishes to add the following items to allow for Base Thickness Adjustments in accordance with Standard Specification 200-9. In accordance with the Contract specifications, the Engineer has calculated the following adjustments.

ADD THE FOLLOWING ITEMS:

Base Group 04 (6" Limerock Base LBR 100) (105% Thick. Adj.)	\$2,652.60
Base Group 10 (11" Limerock Base LBR 100) (105% Thick. Adj.)	\$7,547.83
6" Soil Cement (300 PSI) (Thick. Adj.)	\$1,829.78
12" Soil Cement (300 PSI) (Thick. Adj.)	<u>\$7,484.34</u>
	\$19,514.55

Quantity Adjustments for Completed Pay Items

The Authority wishes to adjust the quantities for completed pay items in the Contract. This will adjust the contract quantities to reflect the actual field measured quantities installed under the Contract.

UNDERRUN THE FOLLOWING ITEMS:

Regular Excavation	(\$848.64)
Embankment	(\$17,513.00)
Utility Structure, Below Ground, F&I, Electrical/Communication	(\$27,552.66)
Utility Structure, Above Ground, 1.1-3 CY Pad w/o Cover	(\$970.50)
Utility Fixtures, Relocate	(\$13,517.28)
Utility Fixtures, Adjust, Valve Box	(\$1,063.56)
Asphalt Conc. FC Inc. Bit, FC-5, PG 76-22 (Dark Granite)	(\$3,927.25)
Asphalt Conc. FC Traffic C, Rubber, FC 12.5, PG 76-22, PMA	(\$2,735.72)
Misc. Asphalt Pavement	(\$618.49)
Concrete, Class II, Trench Slab	(\$11,485.80)
Concrete Ditch Pavement (Non Reinforced)	(\$4,425.00)
Special Guardrail Post	(\$2,325.78)
Rumble Strips	(\$5,227.55)
Rip Rap Fabric-Formed Concrete	(\$2,430.00)
Fencing (Type A)	(\$10,222.95)
Fencing (Removal)	(\$1,005.48)

Sod (Performance Turf)	(\$138,380.55)
Conduit, F&I, Directional Bore	(\$2,444.61)
Fiber Optic Cable (12 Strand Fiber) F&I	(\$250.58)
Fiber Optic Cable (72 Strand Fiber) F&I	(\$763.97)
Single Post Sign (F&I Ground Mount) (Less Than 12SF)	(\$9,888.06)
Single Post Sign (F&I Ground Mount) (31+SF)	(\$5,367.70)
Solid Traffic Stripe (Thermoplastic) (White) (24")	(\$159.94)
Solid Traffic Stripe (Thermoplastic Preformed) (White) (6")	(\$5,739.17)
Solid Traffic Stripe (Thermoplastic) (White) (8")	(\$221.16)
Directional Arrow (PPRT)	(\$5,168.48)
Solid Traffic Stripe (PPRT) (Contrast) (9")	(\$1,933.01)
Conductors (F&I) (Insulated) (#6)	(\$768.96)
Conduit (F&I) (Surface Mount) (RGS)	(\$6,183.02)
Allowance for Disputes Review Board	(\$5,000.00)
Work Order Allowance	(\$223,451.41)
	(\$511,590.28)

OVERRUN THE FOLLOWING ITEMS:

Superpave Asphalt Conc., Traffic C	\$300.49
Superpave Asphalt Conc., Traffic C, PG 76-22	\$8,916.20
Concrete Traffic Separator, Special – Variable Width	\$86.31
Conduit, F&I, Open Trench	\$653.47
Conduit, F&I, Above Ground	\$69.90
Pull & Splice Box, F&I, 13"x24"	\$1,494.96
Fiber Optic Conduit (2-1" HDPE/SDR II) (Trench or Plow)	\$610.60
Fiber Optic Conduit (4-1" HDPE/SDR II) (Trench or Plow)	\$233.48
FO Conduit, 4" PVC Outer Duct w/ 2-1" HDPE/SDR II (T or P)	\$802.98
Single Post Sign (F&I Ground Mount) (12SF – 20SF)	\$15,201.84
Single Post Sign (F&I Ground Mount) (21SF – 30SF)	\$10,743.64
Sign Panel, Relocate (<12SF)	\$124.91
Retro-Reflective Pavement Markers	\$190.40
Solid Traffic Strip (Thermoplastic) (White) (18")	\$210.60
Directional Arrows (Thermoplastic)	\$1,356.66
Solid Traffic Stripe (Thermoplastic) (Yellow) (18")	\$56.16
Solid Traffic Stripe (Thermoplastic) (White) (6")	\$2,810.37
Solid Traffic Stripe (Thermoplastic) (Yellow) (6")	\$1,274.03
Solid Traffic Stripe (PPRT) (Yellow) (18")	\$142.08
Solid Traffic Stripe (PPRT) (White) (8")	\$1,695.00
Solid Traffic Stripe (PPRT) (White) (18")	\$3,243.56
Skip Traffic Stripe (PPRT) (White) (3'-12') (12")	\$1,101.82
Solid Traffic Stripe (PPRT) (Yellow) (6")	\$7,373.73
Conductors (F&I) (Insulated) (#4)	\$435.48
Conductors (F&I) (Insulated) (#2)	\$585.36
Lighting Conductors (F&I) (#8 to #6)	\$4,715.04
Lighting Conductors (F&I) (#4 to #2)	\$3,194.24
Conduit (F&I) (Underground) (2" Sch 40 PVC)	<u>\$3,309.28</u>
	\$70,932.59

Sub-Total: Quantity Adjustments for Completed Pay Items (\$440,657.69)

**TOTAL AMOUNT FOR PROJECT 429-305** **(\$432,235.53)**

**Contract 417-301C: SR 417/Boggy Creek Rd. Interchange Improvements Phase III**  
**SEMA Construction**  
**SA 417-301C-0915-04**

Rip-Rap Rubble

This change is requested by the Authority. The Contract plans and Design Revision 2 depict the installation of rubble rip- rap along the west bank of Boggy Creek at the Ramp G Bridge. The rip –rap is required to prevent erosion along the bank line of Boggy Creek and to prevent undermining of the adjacent wall W-13. However, the plan quantity bid (57 Tons) does not account for the amount of rubble rip- rap required.

INCREASE THE FOLLOWING ITEM:

Rip Rap Rubble (645 Tons @ \$460.00/TN)	\$296,700.00
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Sodding

This change is requested by the Authority. The project plans do not call for sod to be placed below the Ramp H & I Bridges on either side of Boggy Creek or within the median area between NB and SB Boggy Creek Road. In addition, FDEP has required additional sod to be placed in the flood plain of Boggy Creek that was not identified in the plans. Staff has reviewed and determined that these areas need to be sodded (~66,800 SY). Payment for sod will be at Contract unit rate bid.

INCREASE THE FOLLOWING ITEM:

Performance Turf (Sod)	\$200,400.00
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Concrete Sidewalk (4")

This change is requested by the Authority. The project plans do not address sidewalk on Boggy Creek Road. In order to construct the bridge structures on this project, it was necessary to remove and replace approximately 920 SY of existing sidewalk. Staff has reviewed and requests the following:

INCREASE THE FOLLOWING ITEM:

Concrete Sidewalk, 4" Thick	\$39,560.00
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Concrete Curb & Gutter

This change is requested by the Authority. The project plans do not address curb and gutter on Boggy Creek Road. In order to construct the bridge structures on this project, it was necessary to remove and replace approximately 2,520LF of Type E curb and 2,010LF of Type F curb and gutter. New pay items for this work will be added to the Contract. Staff has reviewed and requests the following:

ADD THE FOLLOWING ITEMS:

Concrete Curb & Gutter, Type E	\$38,178.00
Concrete Curb & Gutter, Type F	<u>\$28,823.40</u>
	\$67,001.40

Fabriform along Boggy Creek under Ramp G

This change is requested by the Authority. The plans did not identify the presence of the existing fabriform within Boggy Creek at Ramp G. To comply with the FDEP permits requirements, it is necessary to remove and replace approximately 589SY of fabriform to allow construction of the Ramp G bridge piers.

ADD THE FOLLOWING ITEM:

Fabriform, 8" Filter Point Mat	\$29,090.71
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Traffic Control Officer for Sign Structures Pacing Operations

This change is requested by the Authority. The Traffic Control Plans did not identify the pacing operations required for the erection of the sign structures of the project. During Construction, the Engineer of Record provided a revised Traffic Control Plan that implemented pacing operations. The pacing operations required additional Traffic Control Officers that were not included in the Contractor's bid. Staff tracked the actual amount of traffic control officer hours utilized for this item to be 259 hours.

ADD THE FOLLOWING ITEM:

Traffic Control Officer

\$12,535.60

Contract Time

Due to the significant variability in the subsurface geotechnical conditions for the foundations of Ramps G, H, I and J an additional 7400 Lf of piling were required. The Authority has evaluated the contract time impact and recommends a non-compensable time extension of 60 calendar days.

Increase Contract Time 60 Non-Compensable Calendar Days

**TOTAL AMOUNT FOR PROJECT 417-301C**

**\$645,287.71**

**Contract 528-405: SR 528 Airport Mainline Toll Plaza Demolition & Ramp Plaza Construction**  
**Southland Construction, Inc.**  
**SA 528-405-0915-01**

Composite Pay Factor Adjustments

The Authority wishes to add the following item to allow for Composite Pay Factor adjustments in accordance with Standard Specification 334-8.3. This specification allows for a pay item adjustment on asphalt with calculated pay factors.

ADD THE FOLLOWING ITEMS:

Lot 2 CPF Adjustment (CPF 1.01)	\$2,243.22
Lot 3 CPF Adjustment (CPF 1.05)	\$7,828.14
Lot 4 CPF Adjustment (CPF 1.01)	<u>\$763.39</u>
	\$10,834.75

Canal Excavation at OS-13

This change is as requested by the Authority. As detailed in project RFI #30, in order to meet the intent of the plans and maintain the historical drainage pattern throughout this location, the canal that extends from OS-13 northward under McCoy Rd. needed to be cleaned out of existing silts and mud.

ADD THE FOLLOWING ITEM:

Canal Excavation at OS-13	\$21,092.85
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Replace Strain Poles at Conway Rd.

The Authority wishes to remove and dispose of the existing strain poles (4 each) and replacing them with 4 new type P-VIII strain poles. This work will also include all necessary handling of the span wires and signal heads and maintenance of traffic for the replacement of the poles.

ADD THE FOLLOWING ITEM:

Replace Strain Poles at Conway Rd. Intersection	\$70,821.85
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Slope Pavement Repair at Via Flora

This change is as requested by the Authority. Existing conditions on the west side of the SR 528 bridge over Via Flora required repairs to bulges and washouts before cladding walls could be constructed per plan.

ADD THE FOLLOWING ITEM:

Slope Pavement Repairs – Via Flora (West)	\$23,868.71
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New Slope Pavement

This change is as requested by the Authority. Contract plans did not account for the required construction of slope pavement during the widening of the SR 528 bridge over Via Flora and the SR 528 bridge over Daetwyler.

ADD THE FOLLOWING ITEM:

New Slope Pavement Installation	\$57,726.17
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**TOTAL AMOUNT FOR PROJECT 528-405**

**\$184,344.33**

**Contract 417-110: SR 417 Widening, Curry Ford Rd. to Lake Underhill Rd.**  
**Masci General Contractor, Inc.**  
**SA 417-110-0915-006**

Quantity Adjustments for Completed Pay Items

The Authority wishes to adjust the quantities for completed pay items in the Contract. This will adjust the contract quantities to reflect the actual field measured quantities installed under the Contract.

**INCREASE THE FOLLOWING ITEMS:**

Superpave Asphalt Conc., Traffic C	\$43,068.24
Superpave Asphalt Conc., Traffic D	\$252,806.97
Asphalt Friction Course, FC-5, PG 76-22	\$1,450.95
Friction Course, FC-12.5	\$8,345.33
Clean & Coat Existing Concrete Surface, Class 5	\$6,470.76
Concrete Ditch Pavement (Non Reinforced), 3"	\$7,533.60
Exist. Overhead Sign Structure Upright Painting	\$9,100.00
Conduit (F&I) (Open Trench)	\$2,608.65
Fiber Optic Cable (1-2") HDPE/SDR 11 (Trench)	\$1,643.40
Split BSP (6") (Trench)	\$275.00
Thermoplastic (Standard) (White) (Solid) (12")	\$85.25
PPRT (White) (Solid) (18")	\$1,367.95
PPRT (Yellow) (Solid) (6")	\$5,118.25
PPRT (White/Black Contrast) (Solid) (9")	\$8,270.99
PPRT (White/Black Contrast) (Skip) (9")	\$2,567.31
Lighting Conductors (#8 to #6)	\$2,773.75
Lighting Conductors (#4 to #2)	\$530.10
Light Pole Complete, Remove	<u>\$475.00</u>
	<b>\$354,491.50</b>

**DECREASE THE FOLLOWING ITEMS:**

Superpave Asphalt Conc., Traffic B	(\$26,030.03)
Superpave Asphalt Conc., Traffic D, PG 76-22	(\$25,398.93)
Misc. Asphalt Pavement	(\$3,523.95)
Conduit (F&I) (Directional Bore)	(\$210.00)
Conduit (F&I) (Bridge Mount)	(\$611.00)
Fiber Optic Cable (1-2") HDPE/SDR 11 (Directional Bore)	(\$4,008.00)
Fiber Optic Cable 4" BSP Outer Duct w/ 1-2" HDPE/SDR 11 (Trench)	(\$825.00)
Retro-Reflective Pavement Markers	(\$277.95)
Thermoplastic (Standard) (White) (Solid) (24")	(\$1,587.30)
Thermoplastic (Standard) (White) (Message)	(\$840.00)
Thermoplastic (Standard) (White) (Arrows)	(\$285.00)
PPRT (White) (Solid) (8")	(\$4,796.55)
PPRT (White) (Solid) (12")	(\$31.80)
PPRT (White) (Skip) (12")	(\$147.19)
PPRT (Yellow) (Solid) (8")	(\$5,735.87)
PPRT (Yellow) (Solid) (18")	(\$8,942.45)
Work Order Allowance	<u>(\$261,828.33)</u>
	<b>(\$345,079.35)</b>

**Sub-Total: Quantity Adjustments for Completed Pay Items** **\$9,412.15**

### Fuel Adjustments

The Contract contains provisions for fuel price index adjustments. In accordance with the Contract specifications, the Engineer has calculated adjustments for the period of May 2014 – May 2015. During this period of time \$6,952,279.89 of construction was performed/produced. Adjustments were made only if current month fuel price is greater or less than 5% of bid base fuel price.

#### ADD THE FOLLOWING ITEMS:

*Bid Month: October 2013 Gas Base Price=2.6418; Diesel Base Price=3.0811*

May 2014 Fuel Adj. (Gas Price=2.9228; Diesel Price=3.1818)	(\$2.24)
June 2014 Fuel Adj. (Gas Price=2.8927; Diesel Price=3.0632)	(\$1.91)
Oct. 2014 Fuel Adj. (Gas Price=2.5318; Diesel Price=2.7833)	(\$2.24)
Nov. 2014 Fuel Adj. (Gas Price=2.1706; Diesel Price=2.6474)	(\$31.58)
Dec. 2014 Fuel Adj. (Gas Price=1.9837; Diesel Price=2.4271)	(\$4.90)
Jan. 2015 Fuel Adj. (Gas Price=1.5127; Diesel Price=1.9318)	\$6.05
Feb. 2015 Fuel Adj. (Gas Price=1.5585; Diesel Price=1.9932)	(\$11,589.07)
Mar. 2015 Fuel Adj. (Gas Price=1.8263; Diesel Price=2.1668)	(\$267.36)
Apr. 2015 Fuel Adj. (Gas Price=1.7175; Diesel Price=1.9965)	(\$9,372.71)
May 2015 Fuel Adj. (Gas Price=1.9765; Diesel Price=2.1583)	<u>(\$87.89)</u>
	(\$21,353.85)

### Bituminous Adjustments

The Contract contains provisions for bituminous price index adjustments. In accordance with the Contract specifications, the Engineer has calculated adjustments for the period of Sept. 2014 – May 2015. Adjustments were made only if current month bituminous price is greater or less than 5% of bid base bituminous price.

#### ADD THE FOLLOWING ITEMS:

*Bid Month: October 2013 AC Base Price=2.3595; Polymer Base Price=3.0709*

Sep. 2014 Bit. Adj. (AC Price=2.6021; Poly Price=3.2718)	\$17.01
Oct. 2014 Bit. Adj. (AC Price=2.5888; Poly Price=3.2575)	\$6.41
Nov. 2014 Bit. Adj. (AC Price=2.4871; Poly Price=3.1579)	\$14.69
Feb. 2015 Bit. Adj. (AC Price=2.2914; Poly Price=2.9048)	(\$171.45)
Mar. 2015 Bit. Adj. (AC Price=2.1466; Poly Price=2.9048)	(\$39.72)
Apr. 2015 Bit. Adj. (AC Price=2.023; Poly Price=2.6057)	(\$10,578.98)
May 2015 Bit. Adj. (AC Price=1.9365; Poly Price=2.5343)	<u>(\$151.95)</u>
	(\$10,903.99)

### Optional Base Group Thickness Adjustments

The Contract contains provisions for thickness adjustments on Optional Base Group pay items. In accordance with Contract specifications 285-8, the Engineer has calculated the adjustments for the optional base group pay items.

#### ADD THE FOLLOWING ITEMS:

Optional Base Group 04 Thickness Adj.	\$9,665.95
Optional Base Group 11 Thickness Adj.	<u>\$10,781.15</u>
	\$20,447.10

### Composite Pay Factor Adjustments

The Contract contains provisions to allow for Composite Pay Factor adjustments in accordance with Specification 334-8.3. This specification provides for a pay adjustment on asphalt placed based on calculated pay factors for proximity to target for characteristics including pavement density, air voids, asphalt content and gradation.

#### ADD THE FOLLOWING ITEMS:

Lot 1 CPF Adjustment (CPF 1.02)	\$4,604.80
Lot 2 CPF Adjustment (CPF 1.01)	\$1,961.01
Lot 3 CPF Adjustment (CPF 1.02)	\$4,093.25
Lot 4 CPF Adjustment (CPF 1.03)	\$6,907.20
Lot 5 CPF Adjustment (CPF 1.03)	\$6,484.20
Lot 6 CPF Adjustment (CPF 1.02)	\$1,010.18
Lot 9 CPF Adjustment (CPF 0.94)	(\$13,052.12)
Lot 10 CPF Adjustment (CPF 1.03)	\$3,989.74
Lot 11 CPF Adjustment (CPF 1.01)	\$1,991.29
Lot 16 CPF Adjustment (CPF 0.95)	(\$5,893.38)
Lot 18 CPF Adjustment (CPF 0.98)	(\$4,166.05)
Lot 20 CPF Adjustment (CPF 1.03)	\$4,134.13
Lot 21 CPF Adjustment (CPF 1.04)	\$2,969.56
Lot 24 CPF Adjustment (CPF 1.04)	\$2,805.59
Lot 25 CPF Adjustment (CPF 0.98)	(\$2,035.95)
Lot 26 CPF Adjustment (CPF 1.04)	<u>\$9,928.01</u>
	\$25,731.46

#### **TOTAL AMOUNT FOR PROJECT 417-110**

**\$23,332.87**