

CHANGE ORDER APPROVAL FORM

PROJECT: CR 108 Milling & Resurfacing

CHANGE ORDER NUMBER: 11

DATE: 10/08/09

CONTRACT NUMBER: CM1395

TO CONTRACTOR: APAC – Southeast, Inc.

Reason for Change Order: Erosion Control @ culvert headwall. Exposed slope between the miscellaneous asphalt underneath the guardrail and the top of the sand-cement.

Original Contract Sum.....	\$	<u>3,206,312.87</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>(322,539.13)</u>
Contract Sum Prior to This Change Order.....	\$	<u>2,883,773.74</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>9,638.91</u>
New Contract Sum Including this Change Order.....	\$	<u>2,893,412.65</u>

APPROVED BY: *J. [Signature]*
Project Manager (Department Head)

DATE: 10/8/09

APPROVED BY: *Charlotte E. Young*
Contract Manager

DATE: 10/8/09

APPROVED BY: *[Signature]*
Director of Office of Management & Budget

DATE: 10/16/09

APPROVED BY: *[Signature]*
County Coordinator

DATE: 10/16/09

RECEIVED
CONTRACT MANAGEMENT
2009 OCT 19 AM 11:03

09 OCT -9 PM 2:50

SECTION 00 63 63

CHANGE ORDER

Instructions on 00 63 63-2

No: 11

PROJECT: **CR-108 Milling & Resurfacing**

DATE OF ISSUANCE: EFFECTIVE DATE:

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

COUNTY Contract / Purchase Order No: CM 1395

CONTRACTOR: **APAC SE - First Coast Division** ENGINEER / ARCHITECT: **Ghyabi & Assoc (EOR); Wilbur Smith Assoc (CEI)**

You are directed to make the following changes in the Contract Documents:

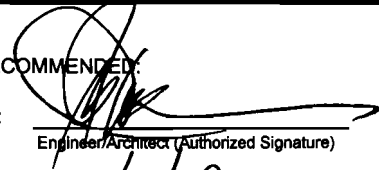
Description: *Erosion Control @ Culvert Headwall*


Reason for Change Order: *Exposed slope between the miscellaneous asphalt underneath the guardrail and the top of the sand-cement*


Attachments (List documents supporting change): *E-mails; Engineer's Cost Estimate; Backup showing a breakdown of the cost. Payment will be prorated based on the actual labor, equipment & materials used per the provided quantities and rates.*

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price: \$ 3,206,312.87	Original Contract Times: 124 Substantial Completion: August 10, 2009 Ready for Final Payment: August 24, 2009 (days or dates)
Net change from previous Change Orders No. 001 to No. 010 <i>10-2-09</i> - 322,539.13 \$ - (325,179.13)	Net change from previous Change Orders No. 001 to No. 010 25 (days)
Contract Price prior to this Change Order <i>10-2-09</i> 2,883,773.74 \$ - 2,881,199.74	Contract Times prior to this Change Order Substantial Completion: September 4, 2009 Ready for Final Payment: September 18, 2009 (days or dates)
Net Increase (decrease) of this Change Order \$ 9,638.91	Net Increase (decrease) of this Change Order 2 (days)
Contract Price with all approved Change Orders <i>10-8-09</i> \$ 2,893,412.65 \$ - 2,889,772.65	Contract Times with all approved Change Orders Substantial Completion: September 6, 2009 Ready for Final Payment: October 21, 2009 (days or dates)

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 CONTRACT MANAGEMENT
 2009 OCT -7 PM 2:24

RECOMMENDED:
By: 
Engineer/Architect (Authorized Signature)
Date: 10/2/09

APPROVED:
By: 
COUNTY (Authorized Signature)
Date: 10/7/09

ACCEPTED:
By: 
Contractor (Authorized Signature)
Date: 10/2/09

ENGINEER'S COST ESTIMATE FOR EXTRA WORK

FPN: 417321-1-58-01 Contract #: CN08-116 Fed Proj. #: N/A
 Point of Contact (Name/Phone #): Greg Dutton / 904-781-8131
 Email Address: gdutton@wilbursmith.com
 Estimate Prepared By: Greg Dutton / 904-781-8131
 Company: Wilbur Smith Associates

PRIME-CONTRACTOR: APAC SOUTHEAST

ITEM	QTY.	UNIT	RATE	SUB-TOTAL
MOT	2.00	days	\$ 1,500.00	\$ 3,000.00
				\$ -
Sub - CDM	1.00	EA	\$ 6,035.37	\$ 6,035.37
Sub - Markup (10%)				\$ 603.54

TOTAL: \$ 9,638.91

ENGINEER'S COST ESTIMATE FOR EXTRA WORK

FPN: 417321-1-58-01 Contract #: CN08-116 Fed Proj. #: N/A
 Point of Contact (Name/Phone #): Greg Dutton / 904-781-8131
 Email Address: gdutton@wilbursmith.com
 Estimate Prepared By: Greg Dutton / 904-781-8131
 Company: Wilbur Smith Associates

SUB-CONTRACTOR: CDM

a) LABOR and BURDEN

LABOR	TIME	UNIT	RATE	BURDEN (%)	LABOR plus BURDEN SUB-TOTAL
Foreman	20.00	hours	\$ 21.50	41.00%	\$ 606.30
Concrete Finisher	20.00	hours	\$ 12.00	41.00%	\$ 338.40
Concrete Finisher	20.00	hours	\$ 12.00	41.00%	\$ 338.40
Common Laborer	20.00	hours	\$ 9.50	41.00%	\$ 267.90
Equipment Operator	20.00	hours	\$ 11.50	41.00%	\$ 324.30
					\$ -
					\$ -
					\$ -
					\$ -
TOTAL LABOR and BURDEN					\$ 1,875.30

b) MATERIALS AND SUPPLIES

MATERIAL	QTY.	UNIT	RATE	SUB-TOTAL
Forms	1.00	LS	\$ 40.00	\$ 40.00
Riprap Sand Cement	70.00	Bags	\$ 5.00	\$ 350.00
Reinforcing Steel & Drill Bit	1.00	LS	\$ 28.00	\$ 28.00
Concrete Class I	3.00	CY	\$ 95.23	\$ 285.69
Flowable Fill	5.00	CY	\$ 87.94	\$ 439.70
Short Load Fees	2.00	EA	\$ 120.00	\$ 240.00
				\$ -
				\$ -
				\$ -
TOTAL MATERIALS AND SUPPLIES				\$ 1,383.39

c) EQUIPMENT

EQUIPMENT	OPERATING		STAND-BY / IDLE		SUB-TOTAL
	FHWA Rate w/ Adjustments	HRS	50% of Ownership Cost w/ Adjustments	HRS	
1/2 Ton Pickup	\$ 9.20	20.00			\$ 184.00
Crew Truck	\$ 11.40	20.00			\$ 228.00
Cut-off Saw w/Diamond Blade	\$ 15.14	4.00			\$ 60.56
Backhoe/Loader	\$ 16.80	10.00			\$ 168.00
Transport	\$ 1,050.00	1.00			\$ 1,050.00
					\$ -
					\$ -
					\$ -
					\$ -
TOTAL EQUIPMENT					\$ 1,690.56

d) INDIRECT COST, EXPENSES, AND PROFIT

(1) 17.5% of the sum of a), b), & c) above: \$ 866.12
 (1)(i) BOND: For any additional bond for the additional or unforeseen
TOTAL INDIRECT COST, EXPENSES, AND PROFIT \$ 866.12

Subcontract Labor & Equipment: 1 LS \$ 200.00 \$ 200.00
 Disposal (Remove Asphalt & Debris) Markup (10%): \$ 20.00
 \$ 220.00

TOTAL SUBCONTRACTOR COST: \$ 6,035.37

Dutton, Greg

From: Nowak, William (APAC First Coast) [William.Nowak@apac.com]
Sent: Friday, October 02, 2009 7:10 AM
To: Dutton, Greg
Subject: Quote Breakdown for CDM

Attachments: QUOTE BRKDWN CR108.pdf



QUOTE BRKDWN
CR108.pdf (20 KB)..

Greg here is CDM's revised breakdown.

SAFETY FIRST ALWAYS

Bill Nowak
Project Manager
APAC-Southeast, Inc., First Coast Division
11482 Columbia Park Drive W, Suite 3
Jacksonville, FL 32258
O: 904-288-6300
F: 904-288-6301
C: 904-588-5314

CR 108
Nassau County

Price to construct erosion control measures
at the cross drain Station 14+56 Lt RT

A: Labor

Foreman	20 HR	\$21.50	\$430.00
Concrete Finisher (2 Each)	40 HR	\$12.00	\$480.00
Common Labor (1 Each)	20 HR	\$9.50	\$190.00
Equipment Operator (1 Each)	20 HR	\$11.50	\$230.00
		Labor Subtotal	\$1,330.00
		Burden 41%	\$545.30
		Subtotal A	\$1,875.30✓

B: Equipment

½ Ton Pickup	20 HR	\$9.20	\$184.00
Crew Truck	20 HR	\$11.40	\$228.00
Cut off Saw w/ diamond blade	4 HR	\$15.14	\$60.56
Backhoe/Loader	10 HR	\$16.80	\$168.00
Transport	1 LS	\$1,050.00	\$1,050.00
		Subtotal B	\$1,690.56✓

C: Material

Forms	1 LS	\$40.00	\$40.00
Riprap Sand Cement	70 BG	\$5.00	\$350.00
Reinforcing Steel & Drill bit	1 LS	\$28.00	\$28.00
Concrete Class I	3 CY	\$95.23	\$285.69
Flowable Fill	5 CY	\$87.94	\$439.70
Short load fees (for conc. & Flow fill)	2 EA	\$120.00	\$240.00
		Subtotal C	\$1,383.39✓
		Markup 17.5%	\$866.12✓
		Total A - C	\$5,815.37

Subcontract Labor/Equipment

Disposal (Remove Asphalt & debris)	1 LS	\$200.00	\$200.00
		Markup 10%	\$20.00
		Total Sub Cost	\$220.00✓

Total			\$6,035.37
Bond 2.5%	N/A		
Total Price			\$6,035.37

Dutton, Greg

From: Dutton, Greg
Sent: Friday, September 25, 2009 4:44 PM
To: 'Nowak, William (APAC First Coast)'
Cc: 'Jonathan Page'; Pat Gilroy
Subject: CR-108: Change Order Requests - Parallel End Anchors / Erosion Control At Culvert Head Wall
Attachments: Engineer's Cost Estimate - Parallel End Anchors (LET).xls; Engineer's Cost Estimate - Erosion Control at Culvert Headwall.xls; CR-108 Change Order 010.xls; CR-108 Change Order 011.xls; Pricing For Erosion Control At Headwalls.doc; Pricing for Additional TP LET Anchors.doc

Bill, after review of the two outstanding requests (attached), I found some accounting errors that change the amounts slightly. Please see the attached spreadsheets showing the corrected calculations applying the rates per FDOT specifications.

The following is a summary:

	<u>APAC Request</u>	<u>Adjusted Cost</u>
Parallel End Anchors (LET):	\$ 2,695.00	\$ 2,640.00 ✓
Erosion Control @ Culvert:	\$ 9,677.04	\$ 8,281.78 Revised

Also attached are the Change Order forms. If you agree, please print the forms, sign, and submit for execution.

Thanks.

Greg Dutton, P.E.
 Wilbur Smith Associates
 (O) 904-781-8131 (M) 904-424-8560
 gdutton@wilbursmith.com

-----Original Message-----

From: Nowak, William (APAC First Coast) [mailto:William.Nowak@apac.com]
Sent: Wednesday, September 09, 2009 7:53 AM
To: Dutton, Greg
Subject: CR 108 Erosion Control At Head Walls

SAFETY FIRST ALWAYS

Bill Nowak
 Project Manager
 APAC-Southeast, Inc., First Coast Division
 11482 Columbia Park Drive W, Suite 3
 Jacksonville, FL 32258
 O: 904-288-6300
 F: 904-288-6301
 C: 904-588-5314

9/28/2009

ENGINEER'S COST ESTIMATE FOR EXTRA WORK

FPN: 417321-1-58-01 Contract #: CN08-116 Fed Proj. #: N/A
 Point of Contact (Name/Phone #): Greg Dutton / 904-781-8131
 Email Address: gdutton@wilbursmith.com
 Estimate Prepared By: Greg Dutton / 904-781-8131
 Company: Wilbur Smith Associates

PRIME-CONTRACTOR: APAC SOUTHEAST

ITEM	QTY.	UNIT	RATE	SUB-TOTAL
MOT	2.00	days	\$ 1,500.00	\$ 3,000.00
				\$ -
Sub - CDM	1.00	EA	\$ 4,801.62	\$ 4,801.62
Sub - Markup (10%)				\$ 480.16

TOTAL: \$ ~~8,281.78~~
Revised

ENGINEER'S COST ESTIMATE FOR EXTRA WORK

FPN: 417321-1-58-01 Contract #: CN08-116 Fed Proj. #: N/A
 Point of Contact (Name/Phone #): Greg Dutton / 904-781-8131
 Email Address: gdutton@wilbursmith.com
 Estimate Prepared By: Greg Dutton / 904-781-8131
 Company: Wilbur Smith Associates

SUB-CONTRACTOR: CDM
 a) LABOR and BURDEN

LABOR	TIME	UNIT	RATE	BURDEN (%)	LABOR plus BURDEN SUB-TOTAL
Foreman	20.00	hours	\$ 21.50	41.00%	\$ 606.30
Concrete Finisher	20.00	hours	\$ 12.00	41.00%	\$ 338.40
Concrete Finisher	20.00	hours	\$ 12.00	41.00%	\$ 338.40
Common Laborer	20.00	hours	\$ 9.50	41.00%	\$ 267.90
Equipment Operator	20.00	hours	\$ 11.50	41.00%	\$ 324.30
					\$ -
					\$ -
					\$ -
					\$ -
TOTAL LABOR and BURDEN					\$ 1,875.30

b) MATERIALS AND SUPPLIES

MATERIAL	QTY.	UNIT	RATE	SUB-TOTAL
Forms	1.00	LS	\$ 40.00	\$ 40.00
Riprap Sand Cement	70.00	Bags	\$ 5.00	\$ 350.00
Reinforcing Steel & Drill Bit	1.00	LS	\$ 28.00	\$ 28.00
Concrete Class I	3.00	CY	\$ 95.23	\$ 285.69
Flowable Fill	5.00	CY	\$ 87.94	\$ 439.70
Short Load Fees	2.00	EA	\$ 120.00	\$ 240.00
				\$ -
				\$ -
				\$ -
TOTAL MATERIALS AND SUPPLIES				\$ 1,383.39

c) EQUIPMENT

EQUIPMENT	OPERATING		STAND-BY / IDLE		SUB-TOTAL
	FHWA Rate w/ Adjustments	HRS	50% of Ownership Cost w/ Adjustments	HRS	
1/2 Ton Pickup	\$ 9.20	20.00			\$ 184.00
Crew Truck	\$ 11.40	20.00			\$ 228.00
Cut-off Saw w/Diamond Blade	\$ 15.14	4.00			\$ 60.56
Backhoe/Loader	\$ 16.80	10.00			\$ 168.00
					\$ -
Transport	1,050	1			\$ 1,050
					\$ -
					\$ -
					\$ -
TOTAL EQUIPMENT					\$ 640.56

d) INDIRECT COST, EXPENSES, AND PROFIT

(1) 17.5% of the sum of a), b), & c) above: \$ 682.37
 (1)(i) BOND: For any additional bond for the additional or unforeseen
TOTAL INDIRECT COST, EXPENSES, AND PROFIT \$ 682.37

Subcontract Labor & Equipment: 1 LS \$ 200.00 \$ 200.00
 Disposal (Remove Asphalt & Debris) Markup (10%): \$ 20.00
 \$ 220.00

TOTAL SUBCONTRACTOR COST: \$ 4,801.62
Revised



APAC-Southeast, Inc.
 First Coast Division
 P.O. Box 24728
 Jacksonville, FL 32241
 Phone: 904-288-6300
 Fax: 904-288-6301

September 8, 2009

Greg Dutton
 Senior Project Engineer
 Wilbur Smith Associates
 7029-1 Commonwealth Ave, Jacksonville, FL 32220

RE: CR 108, Nassau County
 Financial Project No. 417321-1-58-01
 Bid No. NC 08-039
 APAC No. 772267

Erosion Control At Culvert Headwall

APAC respectfully submits a lump sum price of \$9,677.04 for additional headwall work at Station 1456. APAC requests two days are added to the contract for this work. If you have any questions, feel free to contact me.

Scope Of Work:

- Fill Voids and Construct Walls and Slope Pavement
- Fill Void Around Guardrail Post
- MOT

Item Description	Quantity	Unit	Price	Amount	
MOT	2	DA	\$1,500.00	\$3,000.00	
CDM Contracting	1	EA	\$7,152.00	\$6,070.20	
				\$607.02	10% O&P
TOTAL				\$9,677.04	

Very Truly Yours,
 APAC-Southeast, Inc.
Bill Nowak
 Bill Nowak, Project Manager





APAC-Southeast, Inc.
 First Coast Division
 P.O. Box 24728
 Jacksonville, FL 32241
 Phone: 904-288-6300
 Fax: 904-288-6301

September 8, 2009

Greg Dutton
 Senior Project Engineer
 Wilbur Smith Associates
 7029-1 Commonwealth Ave, Jacksonville, FL 32220

RE: CR 108, Nassau County
 Financial Project No. 417321-1-58-01
 Bid No. NC 08-039
 APAC No. 772267

Erosion Control At Culvert Headwall

APAC respectfully submits a lump sum price of \$9,677.04 for additional headwall work at Station 1456. APAC requests two days are added to the contract for this work. If you have any questions, feel free to contact me.

Scope Of Work:

- Fill Voids and Construct Walls and Slope Pavement
- Fill Void Around Guardrail Post
- MOT

Item Description	Quantity	Unit	Price	Amount	
MOT	2	DA	\$1,500.00	\$3,000.00	3000.00
CDM Contracting	1	EA	\$7,152.00	\$6,070.20	4801.62
					480.16
				-\$607.02	10% O&P
TOTAL				-\$9,677.04	8281.78

8281.78

Very Truly Yours,
 APAC-Southeast, Inc.
Bill Nowak
 Bill Nowak, Project Manager



CR 108
Nassau County

Price to construct erosion control measures
at the cross drain Station 14+56 Lt RT

Mobilization	1 LS	\$1,200.00	\$1,200.00
Labor			
Foreman	20 HR	\$21.50	\$430.00
Concrete Finisher (2 Each)	40 HR	\$12.00	\$480.00
Common Labor (1 Each)	20 HR	\$9.50	\$190.00
Equipment Operator (1 Each)	20 HR	\$11.50	\$230.00
		Labor Subtotal	\$1,330.00
		Burden 41% - <i>Need proof</i>	\$545.30
		Markup 25%	\$468.83
		Total Sub Labor	\$2,344.13 1875.30
Equipment			
1/2 Ton Pickup	20 HR	\$9.20	\$184.00
Crew Truck	20 HR	\$11.40	\$228.00
Cut off Saw w/ diamond blade	4 HR	\$15.14	\$60.56
Backhoe/Loader	10 HR	\$16.80	\$168.00
		Equipment Subtotal	\$640.56
		Markup 7.5%	\$48.04
		Total Sub Equipment	\$688.60
Material			
Forms	1 LS	\$40.00	\$40.00
Riprap Sand Cement	70 BG	\$5.00	\$350.00
Reinforcing Steel & Drill bit	1 LS	\$28.00	\$28.00
Concrete Class I	3 CY	\$95.23	\$285.69
Flowable Fill	5 CY	\$87.94	\$439.70
Short load fees (for conc. & Flow fill)	2 EA	\$120.00	\$240.00
		Material Subtotal	\$1,383.39
		Markup 17.5%	\$242.09
		Material Total	\$1,625.48
			3899.25
Subcontract Labor/Equipment			
Disposal (Remove Asphalt & debris)	1 LS	\$200.00	\$200.00
		Markup 10%	\$20.00
		Total Sub Cost	\$220.00
			17.5% 68.24
			3967.49
			4187.49
		Total	\$6,078.21
		Ins. & Bond 1.5%	
		Total Price	\$6,078.21 4187.49