

# CHANGE ORDER APPROVAL FORM

PROJECT: CR-108 Milling & Resurfacing

CHANGE ORDER NUMBER: 01

DATE: 08/24/09

CONTRACT NUMBER: CM1395

TO CONTRACTOR: APAC Southeast

Reason for Change Order: Nassau County Engineering Services worked out an agreement with APAC prior to the project starting to enable a cost savings and allow Road & Bridge Department involvement in the project. Eliminate pay items and quantities for drainage (side drain work), excavation & grading outside roadway limits, and grassing. Also allow RAP in the structural course mix.

Original Contract Sum.....	\$	<u>3,206,312.87</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>3,206,312.87</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>(358,733.88)</u>
New Contract Sum Including this Change Order.....	\$	<u>2,847,578.99</u>

Net Increase(decrease) of days for this change order: 0 days

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

DATE: 8/25/09

APPROVED BY: [Signature]  
Contract Manager

DATE: 8/25/09

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

DATE: 8/26/09

APPROVED BY: [Signature]  
County Coordinator

DATE: 8/24/09

SECTION 00 63 63

CHANGE ORDER

Instructions on 00 63 63-2

No: 001

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: **Ghyabl & Assoc (EOR); Wilbur Smith Assoc (CEI)**

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


Description: *Eliminate pay items and quantities for drainage (side drain work), excavation & grading outside roadway limits, and grassing. Also allow RAP in the structural course mix.*

Reason for Change Order: *Nassau County Engineering Services worked out an agreement with APAC prior to the project starting to enable a cost savings and allow Road & Bridge Department involvement in the project.*

Attachments (List documents supporting change): Revised Schedule of Values; Savings spreadsheet;

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price:  \$ 3,206,312.87	Original Contract Times: 124 Substantial Completion: August 9, 2009 Ready for Final Payment: August 23, 2009 (days or dates)
Net change from previous Change Orders No. 000 to No. 000  \$ -	Net change from previous Change Orders No. 000 to No. 001  0 (days)
Contract Price prior to this Change Order  \$ 3,206,312.87	Contract Times prior to this Change Order Substantial Completion: August 9, 2009 Ready for Final Payment: August 23, 2009 (days or dates)
Net Increase (decrease) of this Change Order  \$ (358,733.88)	Net Increase (decrease) of this Change Order  0 (days)
Contract Price with all approved Change Orders  \$ 2,847,578.99	Contract Times with all approved Change Orders Substantial Completion: August 9, 2009 Ready for Final Payment: August 23, 2009 (days or dates)

RECOMMENDED:

By:   
Engineer/Architect (Authorized Signature)

Date: 7/24/09

APPROVED:

By:   
COUNTY (Authorized Signature)

Date: 7/20/09

ACCEPTED:

By:   
Contractor (Authorized Signature)

Date: 7/29/09

772261

**CR 108 MILLING & RESURFACING  
NASSAU COUNTY, FLORIDA  
Bid Number NC08-040**


**SCHEDULE OF VALUES (REVISED/FINAL) 1/28/2009**

Item	Pay Item	Item Description	Quantity	Units	Unit Price	Bid Total	
10	101-1	MOBILIZATION	1.00	LS	\$71,005.70	\$71,005.70	
20	102-1	MAINTENANCE OF TRAFFIC	1.00	LS	\$184,491.85	\$184,491.85	
70	110-1-1	CLEARING & GRUBBING	1.00	LS	\$93,704.36	\$93,704.36	
120	285-709	BASE OPTIONAL (BASE GROUP-09) (TYPE-12.5)	8,555.00	SY	\$27.94	\$239,026.70	
130	285-712	BASE OPTIONAL (BASE GROUP-12) (TYPE-12.5)	2,825.00	SY	\$35.62	\$100,626.50	
140	327-70-1	MILL EXISTING ASPHALT (1.0") AVG. DEPTH	92,600.00	SY	\$1.32	\$122,232.00	
150	334-1-14	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC B)	11,500.00	TON	\$110.52	\$1,270,980.00	
160	334-1-14	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC B)(SIDEROADS)	100.00	TON	\$188.95	\$18,895.00	
170	430-174-101	PIPE CULVERT, OPTIONAL MATERIAL ROUND 0-24" SD (Furnish Pipe Only)	1,212.00	LF	\$22.97	\$27,839.64	
180	430-984-125	MITERED END SECTION, OPTIONAL ROUND, SD (Furnish Pipe Only)	12.00	EA	\$283.83	\$3,405.96	
190	341-70	ASPHALT RUBBER MEMBRANE INTERLAYER	68,000.00	SY	\$4.95	\$336,600.00	
200	536-1	GUARDRAIL (ROADWAY, W-BEAM)	2,610.00	LF	\$22.40	\$58,464.00	
210	536-1-5	GUARDRAIL (ROADWAY, THRIE BEAM)	425.00	LF	\$26.55	\$11,283.75	
220	536-73	GUARDRAIL REMOVAL	900.00	LF	\$3.75	\$3,375.00	
230	536-85-22	GUARDRAIL END ANCHORAGE ASSEMBLY (FLARED)	14.00	EA	\$2,795.00	\$39,130.00	
260	706-3	RETRO REFLECTIVE PAVEMENT MARKERS (RPM)	1,404.00	EA	\$5.00	\$7,020.00	
270	711-11-125	24" WHITE SOLID STRIPE-THERMOPLASTIC	55.00	LF	\$2.00	\$110.00	
280	711-11-131	6" WHITE SOLID STRIPE-THERMOPLASTIC	15.13	NM	\$4,250.56	\$64,302.47	
290	711-11-211	6" YELLOW SOLID STRIPE-THERMOPLASTIC	4.83	NM	\$4,249.12	\$20,527.50	
300	711-11-231	6" YELLOW SKIP STRIPE-THERMOPLASTIC	6.49	GM	\$1,999.69	\$12,979.99	
						<b>Total Base Bid:</b>	<b>\$2,686,000.42</b>
<b>ALTERNATES:</b>							
320	A-1	ALT-1 6 FT PAVED SHOULDER WIDENING @ CR-121	1.00	LS	\$27,942.42	\$27,942.42	
330	A-2	ALT-2 6 FT PAVED SHOULDER WIDENING @ SHEARED STOKES RD	1.00	LS	\$41,359.00	\$41,359.00	
340	A-3	ALT-3 CULVERT REPLACEMENT	1.00	LS	\$92,277.15	\$92,277.15	
						<b>Total Base Bid &amp; Alternates:</b>	<b>\$2,847,578.99</b>

\*This revised Schedule of Values modifies the bid of APAC-Southeast, Inc. (APAC), submitted December 18, 2008, as follows:

- 1.) All drainage work items in the Base Bid are deleted from APAC's scope of work, except purchase of pipe as noted above, and the installation and other incidental construction and materials for the drainage work will be the responsibility of Nassau County. APAC will perform all drainage work related to Alternate #3 only.
- 2.) All excavation and grading work items in the Base Bid and Alternates (except drainage excavation/backfill associated with Alternate #3), including but not limited to excavation, embankment, limerock, grading, borrow, final dressing, erosion control, and RAP driveways/turn outs, are deleted from APAC's scope of work and will be the responsibility of Nassau County.
- 3.) All grassing work items in the Base Bid and Alternates are deleted from APAC's scope of work, including any additional grassing required for restoration of staging areas or other areas outside the limits of construction, and will be the responsibility of Nassau County.
- 4.) The 2.50" Superpave Asphaltic Concrete (Traffic B) shall be installed in two (2) lifts. Both lifts shall contain PG 76-22 liquid asphalt binder. The bottom 1.50" lift shall be SP-12.5 Recycled, and the final 1.0" lift shall be SP-9.5 Virgin. All work will be in accordance with the specifications. Pricing stated in this schedule of values includes the necessary MOT and Temporary Striping for this work.

Submitted By:

  
 John W. Taylor, Vice President  
 APAC Southeast, Inc. (First Coast Division)  
 11482 Columbia Park Drive West, Suite 3  
 Jacksonville, FL 32258  
 (904) 288-6300 Office  
 (904) 288-6301 Fax

1/28/2009



Item	Item Description	Quantity	Units	Unit Price	Bid Total	Option 1 Savings	Option 2 Savings	Option 3 Savings	Notes
10	MOBILIZATION	1.00	LS	\$71,005.70	\$71,005.70				
20	MAINT. OF TRAFFIC	1.00	LS	\$184,491.85	\$184,491.85				
30	<b>MAT. FOR DRIVEWAY MAINT.</b>	<b>1,850.00</b>	<b>CY</b>	<b>\$1.00</b>	<b>\$1,850.00</b>		<b>-\$1,850.00</b>		
40	<b>FLOATING TURBIDITY BARRIER</b>	<b>100.00</b>	<b>LF</b>	<b>\$20.00</b>	<b>\$2,000.00</b>		<b>-\$2,000.00</b>		
50	<b>STAKED TURB BARRIER</b>	<b>160.00</b>	<b>LF</b>	<b>\$5.00</b>	<b>\$800.00</b>		<b>-\$800.00</b>		
60	<b>STAKED SILT FENCE</b>	<b>41,700.00</b>	<b>LF</b>	<b>\$0.40</b>	<b>\$16,680.00</b>		<b>-\$16,680.00</b>		
70	<b>CLEARING &amp; GRUBBING</b>	<b>1.00</b>	<b>LS</b>	<b>\$119,121.14</b>	<b>\$119,121.14</b>		<b>-\$25,416.78</b>		
80	<b>REGULAR EXCAVATION</b>	<b>3,000.00</b>	<b>CY</b>	<b>\$6.55</b>	<b>\$19,650.00</b>		<b>-\$19,650.00</b>		
90	<b>EMBANKMENT</b>	<b>26,200.00</b>	<b>CY</b>	<b>\$4.17</b>	<b>\$109,254.00</b>		<b>-\$109,254.00</b>		
100	<b>REWORK LIMEROCK BASE (3.0" DEPTH)</b>	<b>4,000.00</b>	<b>SY</b>	<b>\$2.71</b>	<b>\$10,840.00</b>		<b>-\$10,840.00</b>		
110	<b>LIMEROCK, NEW MATERIAL</b>	<b>350.00</b>	<b>CY</b>	<b>\$30.63</b>	<b>\$10,720.50</b>		<b>-\$10,720.50</b>		
120	OPTIONAL BASE-09 (12.5) 6.0" ASPH	8,555.00	SY	\$27.94	\$239,026.70				
130	OPTIONAL BASE- 12 (12.5) 7.5" ASPH	2,825.00	SY	\$35.62	\$100,626.50				
140	MILL EXIST ASPH 1.0" AVG	92,600.00	SY	\$1.32	\$122,232.00				
150	SUPERPAVE TRAFF-B	11,500.00	TON	\$110.52	\$1,270,980.00				
160	SUPERPAVE TRAF-B SIDEROADS	100.00	TON	\$188.95	\$18,895.00				
170	<b>PIPE CULVERT 0-24" ROUND SD</b>	<b>1,212.00</b>	<b>LF</b>	<b>\$102.35</b>	<b>\$124,046.20</b>	<b>-\$96,208.56</b>			<b>Furnish price = \$22.97/LF</b>
180	<b>MITERED END SECTION -SD</b>	<b>12.00</b>	<b>EA</b>	<b>\$824.00</b>	<b>\$9,888.00</b>	<b>-\$6,482.04</b>			<b>Furnish price = \$283.83/EA</b>
190	ASPHALT RUBBER MEMBRANE INTERLAYER	68,000.00	SY	\$4.95	\$336,600.00				
200	GUIDERAIL ROADWAY W-BEAM	2,610.00	LF	\$22.40	\$58,464.00				
210	GUARDRAIL THRIE BEAM	425.00	LF	\$26.55	\$11,283.75				
220	GUARDRAIL REMOVAL	900.00	LF	\$3.75	\$3,375.00				
230	GUARDRAIL END ANCHOR-FLARED	14.00	EA	\$2,795.00	\$39,130.00				
240	<b>SEED AND MULCH</b>	<b>39,425.00</b>	<b>SY</b>	<b>\$0.84</b>	<b>\$33,117.00</b>			<b>-\$33,117.00</b>	
250	<b>SODDING</b>	<b>13,900.00</b>	<b>SY</b>	<b>\$1.85</b>	<b>\$25,715.00</b>			<b>-\$25,715.00</b>	
260	RETRO REFLECTIVE MARKERS	1,404.00	EA	\$5.00	\$7,020.00				
270	24" WHITE SOLID STRIPE-THERMO	55.00	LF	\$2.00	\$110.00				
280	6" WHITE SOLID STRIPE-THERMO	15.13	NM	\$4,250.56	\$64,302.47				
290	6" YELLOW SOLID STRIPE-THERMO	4.83	NM	\$4,249.12	\$20,527.50				
300	6" YELLOW SKIP STRIPE-THERMO	6.49	GM	\$1,999.69	\$12,979.99				
				<b>Total Base Bid:</b>	<b>\$3,044,734.30</b>				
	<b>ALTERNATES:</b>								
320	ALT-1 6 FT PAVE SH WIDEN CR-121	1.00	LS	\$27,942.42	\$27,942.42				
330	ALT-2 6 FT PAVE SH WIDEN-SHEARED STOKES RD	1.00	LS	\$41,359.00	\$41,359.00				
340	ALT-3 CULVERT REPLACEMENT	1.00	LS	\$92,277.15	\$92,277.15				
				<b>Total Base Bid &amp; Alternates:</b>	<b>\$3,206,312.87</b>	<b>-\$102,690.60</b>	<b>-\$197,211.28</b>	<b>-\$58,832.00</b>	
				<b>Total Savings (Options 1-3):</b>	<b>-\$358,733.88</b>				
				<b>Revised Total Base Bid + Alternates 1-3:</b>	<b>\$2,847,578.99</b>				

F&I  
162.35  
524.00

Delete ALL Drainage work (Base Bid Only). APAC will purchase & deliver drainage pipe (PIPE ONLY) for items 430-174-101 (Pipe Culvert, Optional Material, Round, 0-24" SD) and 430-984-125 (Mitered End Section, Option 1: Optional Round, SD); Pricing to be per Unit.  
Option 2: Delete ALL Excavation/Limerock Work & Material/Grading/Borrow/Final Dressing & Erosion Control (Including construction of RAP Driveways/Turn Outs) (Base Bid & Alternates 1 & 2)  
Option 3: With Option 2, Delete Grassing Items (Base Bid & Alternates 1, 2 & 3). This would include all grassing needed for project, including additional seeding required for staging areas, etc.

**Dutton, Greg**

**From:** Douglas Seaman [dseaman@nassaucountyfl.com]  
**Sent:** Friday, January 09, 2009 2:36 PM  
**To:** Butch Hartman  
**Cc:** Ronda Sikes; Denise Swan; Jonathan Page; Dutton, Greg T.  
**Subject:** CR 108 proposed changes  
**Attachments:** 20090109114224066.pdf

*Butch, can you call me on Monday morning to go over proposed changes by APAC on the CR 108 project. They have indicated a savings if R&B can work with APAC as was done on Ford Road. While it was not my intent on CR 108 to have R&B do any of the work, it looks like there could be a savings. I would like to discuss with you if R&B can do some of the work being deleted in the options.*

*Please give me a call on Monday.*

Douglas Seaman, P. E.  
Director of Engineering Services  
Nassau County, FL  
Phone 904-491-3607  
Fax 904-491-3611  
96161 Nassau Place  
Yulee, FL 32097

\*\*The information contained below should be considered preliminary and approximate only. It is for evaluation purposes only.

Item	Item Description	Quantity	Units	Unit Price	Bid Total	Option 1 Savings	Option 2 Savings	Option 3 Savings	Option 4 Savings	Option 5 Savings	Option 6 Savings	Option 7 Savings
10	MOBILIZATION	1.00	LS	\$71,005.70	\$71,005.70							
20	MAINT. OF TRAFFIC	1.00	LS	\$184,491.85	\$184,491.85							
30	MAT. FOR DRIVEWAY MAINT.	1,850.00	CY	\$1.00	\$1,850.00		\$1,850.00					
40	FLOATING TURBIDITY BARRIER	100.00	LF	\$20.00	\$2,000.00			\$2,000.00				
50	STAKED TURB BARRIER	160.00	LF	\$5.00	\$800.00			\$800.00				
60	STAKED SILT FENCE	11,700.00	LF	\$0.40	\$4,680.00			\$4,680.00				
70	CLEARING & GRUBBING	1.00	LS	\$119,121.14	\$119,121.14			\$119,121.14				
80	REGULAR EXCAVATION	3,000.00	CY	\$6.55	\$19,650.00			\$19,650.00				
90	EMBANKMENT	26,200.00	CY	\$4.17	\$109,254.00			\$109,254.00				
100	REWORK LIMEROCK BASE (3.0" DEPTH)	4,000.00	SY	\$2.71	\$10,840.00							
110	LIMEROCK, NEW MATERIAL	350.00	CY	\$30.63	\$10,720.50							
120	OPTIONAL BASE -09 (12.5) 6.0" ASPH	8,555.00	SY	\$27.94	\$239,078.70							
130	OPTIONAL BASE- 12 (12.5) 7.5" ASPH	2,825.00	SY	\$35.62	\$100,626.50							
140	MILL EXIST ASPH 1.0" AVG	92,600.00	SY	\$1.32	\$122,232.00				\$122,232.00			
150	SUPERPAVE TRAFF B	11,500.00	TON	\$110.57	\$1,271,385.00					\$81,995.00	\$63,365.00	\$124,890.00
160	SUPERPAVE TRAFF B SIDERROADS	100.00	TON	\$188.95	\$18,895.00							
170	PIPE CULVERT 0-24" ROUND SD	1,212.00	LF	\$102.35	\$124,048.20	\$124,048.20						
180	MITERED END SECTION -SD	12.00	EA	\$824.00	\$9,888.00	\$9,888.00						
190	ASPHALT RUBBER MEMBRANE INTERLAYER	68,000.00	SY	\$4.95	\$336,600.00							
200	GUIDERAIL ROADWAY W-BEAM	2,610.00	LF	\$22.40	\$58,464.00							
210	GUARDRAIL THREE BEAM	425.00	LF	\$26.55	\$11,283.75							
220	GUARDRAIL REMOVAL	900.00	LF	\$3.75	\$3,375.00							
230	GUARDRAIL END ANCHOR-FLARED	14.00	EA	\$2,795.00	\$39,130.00							
240	SEED AND MULCH	19,425.00	SY	\$0.84	\$16,317.00			\$16,317.00				
250	SCODDING	13,900.00	SY	\$1.85	\$25,715.00			\$25,715.00				
260	RETRO REFLECTIVE MARKERS	1,404.00	EA	\$5.00	\$7,020.00							
270	24" WHITE SOLID STRIPE-THERMO	55.00	LF	\$2.00	\$110.00							
280	6" WHITE SOLID STRIPE-THERMO	15.13	NM	\$4,250.56	\$64,302.37							
290	6" YELLOW SOLID STRIPE-THERMO	4.83	NM	\$4,249.12	\$20,527.50							
300	6" YELLOW SKIP STRIPE-THERMO	6.19	GM	\$1,999.69	\$12,379.94							
				<b>Total Base Bid:</b>	<b>\$3,044,734.30</b>							
	<b>ALTERNATES:</b>											
320	ALT-1 6 FT PAVE SH WIDEN CP-121	1.00	LS	\$27,942.42	\$27,942.42							
330	ALT-2 6 FT PAVE SH WIDEN-SHEARED STOKES RD	1.00	LS	\$41,359.00	\$41,359.00							
340	ALT-3 CULVERT REPLACEMENT	1.00	LS	\$92,777.15	\$92,777.15	\$92,777.15						
	<b>Total Base Bid &amp; Alternates:</b>				<b>\$3,206,312.87</b>	<b>\$216,213.35</b>	<b>\$225,231.00</b>	<b>\$58,832.00</b>	<b>\$122,232.00</b>	<b>\$81,995.00</b>	<b>\$63,365.00</b>	<b>\$124,890.00</b>

Option 1: Delete ALL Drainage work. APAC will handle the Guardrail in Alt 1-3, but Nassau Co will be responsible for all other, including patching roadway.

Option 2: Delete ALL Excavation/Grading/Dorrow/Final Dressing & Erosion Control (including RAP Driveways/Turn Outs)

Option 3: With Option 2, Delete Grassing Items. This would include all grassing needed for project, including additional seeding required for staging areas, etc.

Option 4: Delete Milling (This will require some additional asphalt for leveling & cross slope correction)

Option 5: Delete Requirement for Polymer (PG 76-22) in ALL of the Structural Asphalt/Wearing Surface. ALL areas >45 MPH 100% Virgin Materials.

Option 6: Change Asphalt Mix Requirements to delete PG 76-22 and allow RAP per FDOT Specs in Bottom 1.5" Lift of the 2.5" Design area, with Final 1.0" Lift including PG 76-22 (Virgin in areas >45 MPH). Leveling/Overbuild to be Non-Polymer RAP Mix and installed Prior to ARMI if Milling deleted.

Delete Requirement for Polymer (PG 76-22) in ALL Structural Asphalt/Wearing Surface. Change Asphalt Mix Requirements to allow RAP per FDOT Specs in Bottom 1.5" Lift of the 2.5" Design area, with Final 1.0" Lift to be 100% Virgin Materials in areas >45 MPH). Leveling/Overbuild to be Non-Polymer RAP Mix and installed Prior to ARMI if Milling deleted.

Option Combinations:	Potential Savings
1 & 2	\$441,447.35
1, 2 & 3	\$500,279.35
1, 2, 3 & 4	\$622,511.35
1, 2, 3, 4 & 5	\$701,506.35
1, 2, 3, 4 & 6	\$685,876.35
1, 2, 3, 4 & 7	\$747,401.35
1, 2, 3 & 5	\$582,274.35
1, 2, 3 & 6	\$563,644.35
1, 2, 3 & 7	\$625,169.35