

RECEIVED
CONTRACT MANAGEMENT
11 FEB 11 PM 3:32

CHANGE ORDER APPROVAL FORM

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11 FEB 22 AM 10:14

PROJECT: US 1 @ Ratliff Road
Intersection Improvements Project

CHANGE ORDER NUMBER: 05
DATE: 01/27/11
CONTRACT NUMBER: CM1606

TO CONTRACTOR: United Brothers Development Corporation

Reason for Change Order: Remove and replace previously installed 18" MES at Sta. 20+82 at new offset. Location change required due to requirement to provide a 4:1 slope within the US-1 recovery area per FDOT.

Original Contract Sum.....	\$	<u>113,487.33</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>57,572.79</u>
Contract Sum Prior to This Change Order.....	\$	<u>170,060.12</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>5,762.71</u>
New Contract Sum Including this Change Order.....	\$	<u>175,822.83</u>

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

APPROVED BY: [Signature]
Contract Manager

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

APPROVED BY: [Signature]
County Manager

DATE: 2/10/11

DATE: 2/11/11

DATE: 2-18-11

DATE: 2/16/11

RECEIVED
CONTRACT MANAGEMENT
2011 FEB 10 AM 10:34

4155541-563100 USIRR ✓

SECTION 00 63 63

CHANGE ORDER REQUEST FORM

RECEIVED
CONTRACT MANAGEMENT

US-1 @ Ratliff Road

PROJECT

2011 FEB -3 AM 11:21

DATE OF ISSUANCE

1/27/11

EFFECTIVE DATE

1/27/11

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

COUNTY Contract / Purchase Order No.: Bid No. NC 10-016/P.O. No. 1000059-00

CONTRACTOR United Brothers Development Corporation ENGINEER / ARCHITECT: PBS&J

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

Description: Remove and Replace previously installed 18" MES at Sta. 20+82 at new offset.

Reason for Change Order: Location change required due to requirement to provide a 4:1 slope within the US-1 recovery area per FDOT.

Attachments: (List documents supporting change) Contract Bid Tab, E-mail correspondence, United Brothers cost proposal and ETM Engineer's Estimate.

<p>CHANGE IN CONTRACT PRICE:</p> <p>Original Contract Price</p> <p>\$113,487.33</p>	<p>CHANGE IN CONTRACT TIMES:</p> <p>Original Contract Times</p> <p>Substantial Completion: 124</p> <p>Ready for Final Payment: 169</p> <p>(days or dates)</p>
<p>Net change from previous Change Orders No. 1 to No. 4</p> <p>\$56,572.79</p>	<p>Net change from previous Change Orders No. ___ to No. ___</p> <p>N/A</p> <p>(days)</p>
<p>Contract Price prior to this Change Order</p> <p>\$170,060.12</p>	<p>Contract Times Prior to this Change Order</p> <p>Substantial Completion: 124</p> <p>Ready for Final Payment: 169</p> <p>(days or dates)</p>
<p>Net Increase (decrease) of this Change Order</p> <p>\$5,762.71</p>	<p>Net Increase (decrease) of this Change Order</p> <p>0</p> <p>(days)</p>
<p>Contract Price with all approved Change Orders</p> <p>\$175,822.83</p>	<p>Contract Times with all approved Change Orders</p> <p>Substantial Completion: 124</p> <p>Ready for Final Payment: 169</p> <p>(days or dates)</p>

RECOMMENDED:

By: [Signature]
Engineer/Architect (Authorized Signature)

Date: 1/24/2011

APPROVED:

By: [Signature]
COUNTY (Authorized Signature)

Date: 1/27/11

ACCEPTED:

By: [Signature]
Contractor (Authorized Signature)

Date: 1/24/2011

BID TAB
US-1 AT RATLIFF ROAD ROADWAY IMPROVEMENTS

Item No.	Pay Item	Pay Item Description	Units	Quantity	Cost Per Unit	Total Cost
		Base Bid				
1	101-1	MOBILIZATION	LS	1.00	\$ 12,000.00	\$ 12,000.00
2	102-1	MAINTENANCE OF TRAFFIC	LS	1.00	\$ 7,942.63	\$ 7,942.63
3	104-10-2	SYNTHETIC BALES	EA	6.00	\$ 60.00	\$ 360.00
4	104-13-1	STAKED SILT FENCE, TYPE III	LF	914.00	\$ 1.24	\$ 1,133.36
5	110-1-1	CLEARING & GRUBBING	LS	1.00	\$ 1,580.42	\$ 1,580.42
6	110-86	DELIVERY OF SALVAGEABLE MATERIAL	LS	1.00	\$ 451.44	\$ 451.44
7	120-2-2	BORROW EXCAVATION, TRUCK MEASURE	CY	276.00	\$ 8.32	\$ 2,296.32
8	120-71	REGULAR EXCAVATION (3R PROJECTS ONLY)	CY	129.00	\$ 22.85	\$ 2,947.65
9	160-4	12" TYPE B STABILIZATION	SY	1,967.00	\$ 4.32	\$ 8,497.44
10	285-701	OPTIONAL BASE (BASE GROUP 1)	SY	280.00	\$ 6.51	\$ 1,822.80
11	285-702	OPTIONAL BASE (BASE GROUP 2)	SY	437.00	\$ 6.51	\$ 2,844.87
12	285-706	OPTIONAL BASE (BASE GROUP 6)	SY	750.00	\$ 12.00	\$ 9,000.00
13	327-70-1	MILLING EXIST. ASPH. PAVT. (1-1/2" AVG DEPTH)	SY	1,012.00	\$ 4.50	\$ 4,554.00
14	334-1-11	SUPERPAVE ASPH. CONC. (SP 12.5)(TRAFFIC A)	TN	79.70	\$ 166.95	\$ 13,305.92
15	334-1-12	SUPERPAVE ASPH. CONC. (SP 12.5)(TRAFFIC B)	TN	117.70	\$ 144.85	\$ 17,048.85
16	337-7-31	ASPH. CONC. FRICTION COURSE INC. BIT./RUBBER, FC-12.5	TN	88.30	\$ 108.94	\$ 9,619.40
17	430-174-101	PIPE CULV, OPT MATL, ROUND, 0-24" SD	LF	26.00	\$ 33.12	\$ 861.12
18	430-982-125	MES, OPTIONAL ROUND, 18" CD	EA	3.00	\$ 818.37	\$ 2,455.11
19	570-1-1	PERFORMANCE TURF	SY	1,469.00	\$ 0.34	\$ 499.46
20	570-1-2	PERFORMANCE TURF, SOD	SY	355.00	\$ 2.31	\$ 820.05
21	630-1-12	CONDUIT- SIGNALS, F&I, UNDERGROUND	LF	625.00	\$ 4.50	\$ 2,812.50
22	630-1-14	CONDUIT, SIGNALS, F&I, UNDERGROUND-JACKED	LF	137.00	\$ 12.00	\$ 1,644.00
23	635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	EA	6.00	\$ 250.00	\$ 1,500.00
24	639-2-1	SIGNALS, ELECTRICAL SERVICE WIRE	LF	810.00	\$ 1.00	\$ 810.00
25	660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	EA	1.00	\$ 175.00	\$ 175.00
26	660-2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	4.00	\$ 450.00	\$ 1,800.00
27	660-2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	3.00	\$ 450.00	\$ 1,350.00
28	700-20-40	SINGLE POST SIGN (RELOCATE)	AS	1.00	\$ 50.00	\$ 50.00
29	706-3	RETRO-REFLECTIVE PAVEMENT MARKER (WHITE/RED)	EA	33.00	\$ 5.00	\$ 165.00
30	706-3	RETRO-REFLECTIVE PAVEMENT MARKER (YELLOW/YELLOW)	EA	14.00	\$ 5.00	\$ 70.00
31	711-11-111	THERMOPLASTIC, STD, WHITE, SOLID (6")	NM	0.35	\$ 4,500.00	\$ 1,575.00
32	710-11-125	THERMOPLASTIC, STD, WHITE, SOLID (24")	LF	71.00	\$ 5.00	\$ 355.00
33	711-11-170	THERMOPLASTIC, STD, WHITE, ARROW	EA	8.00	\$ 75.00	\$ 600.00
34	711-11-211	THERMOPLASTIC, STD, YELLOW, SOLID (6")	NM	0.12	\$ 4,500.00	\$ 540.00
					TOTAL:	\$ 119,487.33

BASE BID TOTAL

TOTAL AMOUNT (ITEMS 1 TO 34)

\$ \$ **113,487.33**

One Hundred Thirteen Thousand Four Hundred Eighty Seven Dollars and 33/100

Carrie Smithheart

From: Kadi, Sam E [SEKadi@pbsj.com]
Sent: Tuesday, December 14, 2010 9:51 AM
To: Jonathan Page; Carrie Smithheart
Cc: Kent Ponder; Holcomb, Michael E
Subject: RE: Ratliff Road - MES 20+83

10-4

Thanks,

Sam Kadi, P.E.
Senior Project Manager

PBS&J
an Atkins company

7406 fullerton St., Suite 350
Jacksonville, FL 32256
Direct: 904.363.8471
Cell: 904.923.0621

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From: Jonathan Page [mailto:jpage@nassaucountyfl.com]
Sent: Tuesday, December 14, 2010 9:49 AM
To: Kadi, Sam E; Carrie Smithheart
Cc: Kent Ponder; Holcomb, Michael E
Subject: RE: Ratliff Road - MES 20+83

I will leave that to Carrie to assess since I think a set of eyes in the field is necessary to make that call.

Jonathan Page, P.E.
Engineer III
Engineering Services Dept.
96161 Nassau Place
Yulee, FL 32097
(904) 491-7330
jpage@nassaucountyfl.com

From: Kadi, Sam E [mailto:SEKadi@pbsj.com]
Sent: Tuesday, December 14, 2010 9:34 AM
To: Carrie Smithheart; Jonathan Page
Cc: Kent Ponder; Holcomb, Michael E
Subject: RE: Ratliff Road - MES 20+83

1/24/2011

Importance: High

Jonathan,

I did not see your first e-mail till this morning.

After review, we agree with Carrie's assessment regarding the pipe.

In reference to the ditch pavement, the subject MES is on the receiving end of the pipe (FL 14.78) with (FL 14.47) on the other side.

Do you still think the ditch pavement is needed?

Thanks,

Sam Kadi, P.E.
Senior Project Manager

PBS&J
an Atkins company

7406 fullerton St., Suite 350
Jacksonville, FL 32256
Direct: 904.363.8471
Cell: 904.923.0621

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From: Carrie Smithheart [mailto:SmithheartC@etminc.com]
Sent: Tuesday, December 14, 2010 8:14 AM
To: Jonathan Page
Cc: Kadi, Sam E; Kent Ponder; Scott Herring; Shelley Caldwell
Subject: RE: Ratliff Road - MES 20+83

10-4,

I will get with Ryan for a price to construct as indicated in my original e-mail.

Thanks,

Carrie Smithheart
CEI/ Project Administrator



Direct: 904-642-8990 Fax: 904-642-4165
Cell: 904-509-9007 Email: SmithheartC@etminc.com

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1/24/2011

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From: Jonathan Page [mailto:jpage@nassaucountyfl.com]
Sent: Tuesday, December 14, 2010 8:08 AM
To: Carrie Smithheart
Cc: Kadi, Sam E; Kent Ponder; Scott Herring; Shelley Caldwell
Subject: RE: Ratliff Road - MES 20+83

Carrie,

Upon further review we tend to agree with you because the plans made it apparent that the connection point would be the existing headwall and not the location that would achieve the plan offset. Therefore, the H (4') dimension was basically compromised. So we agree with that change and that the ditch pavement is warranted as well.

Thanks!

Jonathan

Jonathan Page, P.E.
Engineer III
Engineering Services Dept.
96161 Nassau Place
Yulee, FL 32097
(904) 491-7330
 jpage@nassaucountyfl.com

From: Carrie Smithheart [mailto:SmithheartC@etminc.com]
Sent: Tuesday, December 14, 2010 7:54 AM
To: Jonathan Page
Cc: Kadi, Sam E; Kent Ponder
Subject: RE: Ratliff Road

Jonathan,

The total length of pipe for the 18" MES per index 272 is only 9'. See Dimension 'F'. The actual length of pipe needed appears to be approximately 12'.

Carrie Smithheart
 CEI/ Project Administrator



Direct: 904-642-8990 Fax: 904-642-4165
 Cell: 904-509-9007 Email: SmithheartC@etminc.com

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From: Jonathan Page [mailto:jpage@nassaucountyfl.com]
Sent: Monday, December 13, 2010 5:09 PM

1/24/2011

To: Carrie Smithheart
Cc: Kadi, Sam E
Subject: RE: Ratliff Road

I thought that a MES had 4' of pipe "with it". Hence the designers leave out that quantity? See dimension "H" on sheet 272, 1 of 6, that pipe is to be paid for as part of the MES not pipe. Am I right?

Jonathan Page, P.E.
Engineer III
Engineering Services Dept.
96161 Nassau Place
Yulee, FL 32097
(904) 491-7330
jpage@nassaucountyfl.com

From: Carrie Smithheart [<mailto:SmithheartC@etmnc.com>]
Sent: Monday, December 13, 2010 5:00 PM
To: Jonathan Page
Subject: FW: Ratliff Road

Jonathan,

For an up-date. Ryan has put the sod delivery on hold. I stopped by the site again this afternoon and advised Ryan that he needed to get the slopes to a 4:1. There appears to be enough room to accomplish this. We do have one issue that will need to be addressed.

The MES located at Sta. 20+83 should have probably had an additional 4' of pipe added to it (see attached photos), right now the slope at the MES is 2:1. UBD installed the 4:1 MES per plan at the existing headwall connection point, but that did not put the end of the MES at the planned offset of 57.58. If you look at plan sheet 10, the cross section even shows that additional pipe probably should have been added, but there was no call out for it and the quantities of pipe planned for the project did not reflect any at this location. My first thought is to have UBD saw cut the MES section of pipe at the beginning of the bevel, add a short section of pipe with a collar and then re-set another MES section. With this, we should probably also add a small section of ditch pavement on the back slope of the ditch to protect an existing power pole from washing out if we get a heavy flow of water through the pipe.

From: Kuhn, Mark [<mailto:Mark.Kuhn@dot.state.fl.us>]
Sent: Monday, December 13, 2010 2:29 PM
To: Kahre, James; Carrie Smithheart
Cc: Bame, Richard; Jonathan Page; Bame, Richard
Subject: RE: Ratliff Road

Jim,

If this is in FDOT right-of-way it needs to be resolved prior to sod going down....we cannot have anything steeper than a 1:4 within the recoverable terrain area.

Mark Kuhn
 Jacksonville Assistant Maintenance Engineer
 904.360.5342

From: Kahre, James
Sent: Monday, December 13, 2010 2:24 PM

1/24/2011

To: Carrie Smithheart
Cc: Kuhn, Mark; Bame, Richard
Subject: Ratliff Road

Good Afternoon Carrie,

I arrived at the site after you left... I noted the contractor has graded the shoulder slopes. I took readings along the ditch and found the shoulder slope is greater than 1:4. Basically we have 1: 3 slopes, (varies from 32 %– 38 %), with steeper measurements around the MES's. I spoke to Ryan about the slope issue and he stated that sod is scheduled for Tuesday. I did mention that the sod will be installed on shoulder slopes that do not meet what is indicated in the approved plans.

James L. Kahre
Area Inspector
Jacksonville Maintenance
Office: 904-360-5273
Fax: 904-360-5370
Email james.kahre@dot.state.fl.us

1/24/2011

RATLAP
CO#5**Carrie Smithheart**

From: Kadi, Sam E [SEKadi@pbsj.com]
Sent: Tuesday, December 14, 2010 11:49 AM
To: Carrie Smithheart
Cc: Holcomb, Michael E; Kent Ponder; Doherty, Paul D
Subject: RE: Attached Image
Importance: High
Attachments: JAX_COPIER_1_024.PDF

Carrie,

All of your instructions are good, but please see attached with slight modifications. The shown offset in the plans is close to the location of the existing headwall. The correct offset in your detail works out to be 69.80 LT at 4:1 slope. Also, the 4:1 slope is extended to the bottom of the ditch (shown dotted), which leads to a steeper back slope to the concrete ditch...
Let me know if you have any questions.

Thanks,

Sam Kadi, P.E.
Senior Project Manager

PBS&J
an Atkins company

7406 fullerton St., Suite 350
Jacksonville, FL 32256
Direct: 904.363.8471
Cell: 904.923.0621

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From: Carrie Smithheart [mailto:SmithheartC@etmnc.com]
Sent: Tuesday, December 14, 2010 10:34 AM
To: Kadi, Sam E
Cc: Holcomb, Michael E; Jonathan Page; Kent Ponder
Subject: FW: Attached Image
Importance: High

Sam,

Attached is the detail for the MES issue on the above referenced project. Please review and provide any comments as necessary.

12/14/2010

Thanks for your help,

Carrie Smithheart

CEI/ Project Administrator



England-Thimms & Miller, Inc.

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14775 Old St. Augustine Road • Jacksonville, Florida 32258

Direct: 904-642-8990 Fax: 904-642-4165

Cell: 904-509-9007 Email: SmithheartC@etminc.com

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From: B-ir5065-Printroom@etminc.com [mailto:B-ir5065-Printroom@etminc.com]

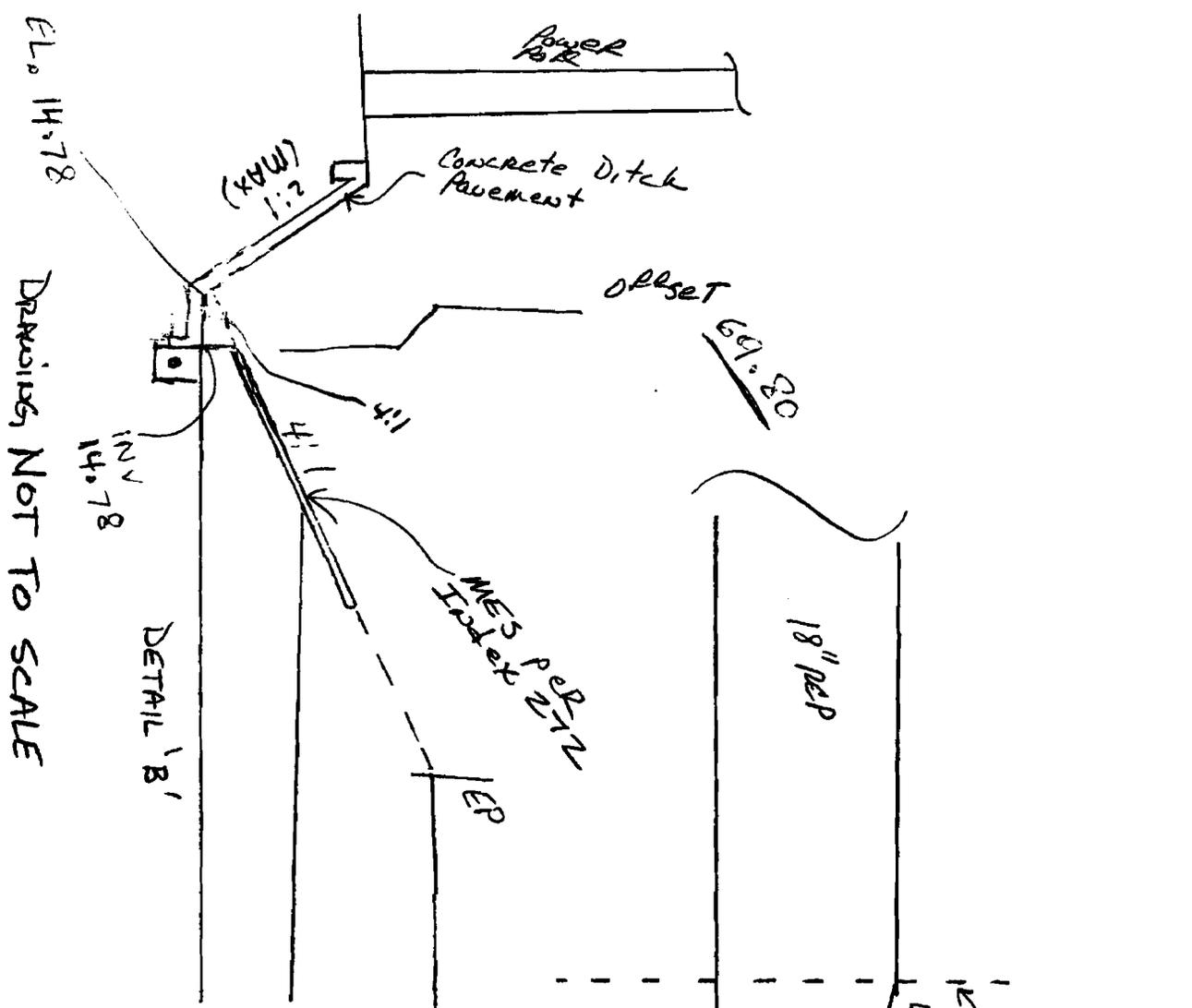
Sent: Tuesday, December 14, 2010 10:23 AM

To: Carrie Smithheart

Subject: Attached Image

12/14/2010

MES @ STA. 20+82.94
 57, 58' LT.



Drawings NOT TO SCALE

- DETAIL 'A'
- 4:1
- SNAP ON HIDE
 APPROP 2 1/4" of 18" CONCRETE COLLAR
- ① SNOW CUT PREVIOUSLY INSTALLED MES @ TOP OF BEND AS SHOWN IN DETAIL 'A'
 - ② INSTALL 3'-4' OF 18" RCP w/ CONCRETE COLLAR.
 - ③ INSTALL NEW 18" MES SO THAT THE END OF THE MES IS LOCATED AT OFFSET 69.80
 - ④ CONSTRUCT DITCH PAVEMENT FOR BACK SLOPE PROTECTION 3' ON EITHER SIDE OF EXISTING POWER POLE. DITCH PAVEMENT TURNS DOWN ARE TO BE 18" IN DEPTH & 6" WIDE MINIMUM.

CO #5

Carrie Smithheart

From: Carrie Smithheart
Sent: Tuesday, December 14, 2010 1:55 PM
To: 'Ryan'
Cc: Jonathan Page; Kent Ponder; Kadi, Sam E; Holcomb, Michael E
Subject: US 1 @ Ratliff Road - MES Mod. Detail, Sta. 20+82.94 (CO #5)
Attachments: MES Mod. Detail.pdf

Ryan,

Please provide a cost proposal to perform all work associated with the attached detail for the relocation of the MES at Sta. 20+82.94.

If you have any questions please give me a call.

Carrie Smithheart
CEI/ Project Administrator



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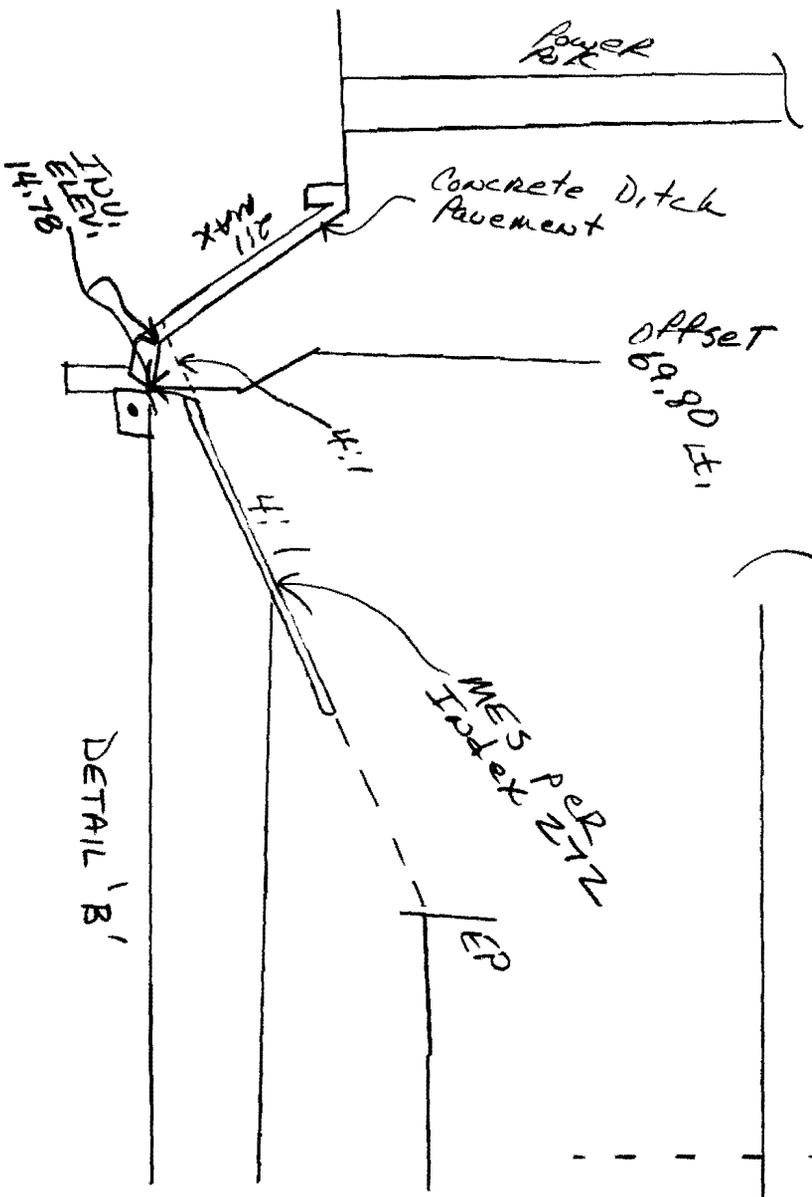
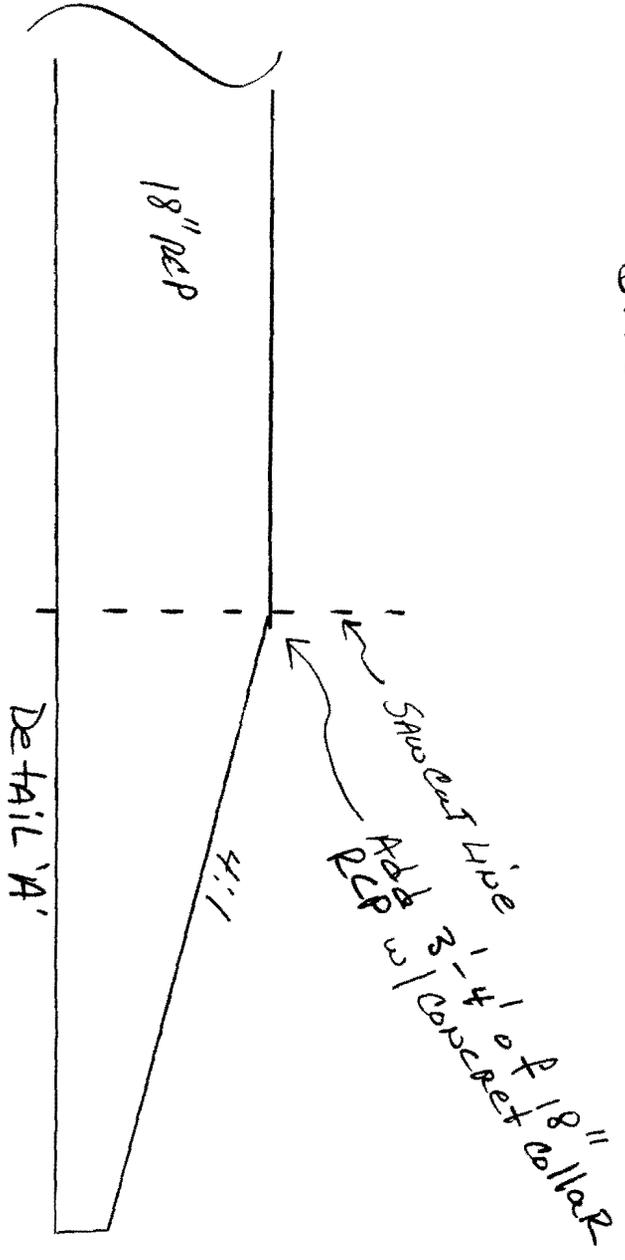
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Cell: 904-509-9007 Email: SmithheartC@etminc.com

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12/14/2010

MES @ STA. 20+82.94
69.80 FT.



- ① SNAW CUT previously installed MES @ Top of Bevel AS shown IN DETAIL 'A'
- ② INSTALL 3'-4' of 18" RCP w/ CONCRETE COLLAR.
- ③ INSTALL near 18" MES so That The end of The Offset MES IS located at offset 69.80 FT.
- ④ Construct Ditch pavement for Back slope protection 3' on either side of Existing Power Pole. Ditch pavement Turns downs ARE to be 18" in Depth & 6" wide minimum.

DRAWINGS NOT TO SCALE

Carrie Smithheart

From: Kadi, Sam E [SEKadi@pbsj.com]
Sent: Wednesday, December 15, 2010 10:25 AM
To: Carrie Smithheart
Subject: FW: Ratliff offsets at toe of slopes
Importance: High

Carrie,

I forgot to mention that the back slope at station 19+00 will no longer match the one in the plan cross section; slightly under 1:3.

Thanks,

Sam Kadi, P.E.
Senior Project Manager

PBS&J
an Atkins company

7406 fullerton St., Suite 350
Jacksonville, FL 32256
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Cell: 904.923.0621

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From: Kadi, Sam E
Sent: Wednesday, December 15, 2010 10:22 AM
To: 'Carrie Smithheart'
Subject: Ratliff offsets at toe of slopes
Importance: High

Carrie,

Here is the information on the toe of slopes (including a revised offset and ditch bottom elevation at Station 19+00, which will provide a better positive flow in the ditch).

Sta. 19+00: offset 68.00', Elev. 15.94 (instead of 16.27)
Sta. 21+00: offset 68.29'
Sta. 23+00: offset 66.00'

Let me know if you need anything else.

1/24/2011

Thanks,

Sam Kadi, P.E.
Senior Project Manager

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an Atkins company

7406 fullerton St., Suite 350
Jacksonville, FL 32256
Direct: 904.363.8471
Cell: 904.923.0621

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1/24/2011

Carrie Smithheart

From: Carrie Smithheart
Sent: Thursday, January 20, 2011 8:13 AM
To: 'Ryan'
Cc: Kent Ponder; 'Jonathan Page'; 'Holcomb, Michael E'; 'Kadi, Sam E'
Subject: FW: US 1 @ Ratliff Rd. - Drainage Detail at 20+82
Attachments: 20+82.75-Ratliff.pdf

Ryan,

Please use the attached in conjunction with the detail previously provided to re-construct the MES at Sta. 20+82 +/- on the above referenced project.

If you have any questions please give me a call.

Carrie Smithheart
 CEI/ Project Administrator



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Direct: 904-642-8990 Fax: 904-642-4165
 Cell: 904-509-9007 Email: SmithheartC@etmnc.com

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From: Holcomb, Michael E [mailto:MEHolcomb@pbsj.com]
Sent: Wednesday, January 19, 2011 2:25 PM
To: Carrie Smithheart
Subject: Ratliff

Attached is the detail I promised you weeks ago for the Ratliff Cross drain....no difference really from what they already have in sketch form.

Thanks,

Mike

Michael E. Holcomb, P.E.
 Associate Vice President
PBS&J
 an Atkins company

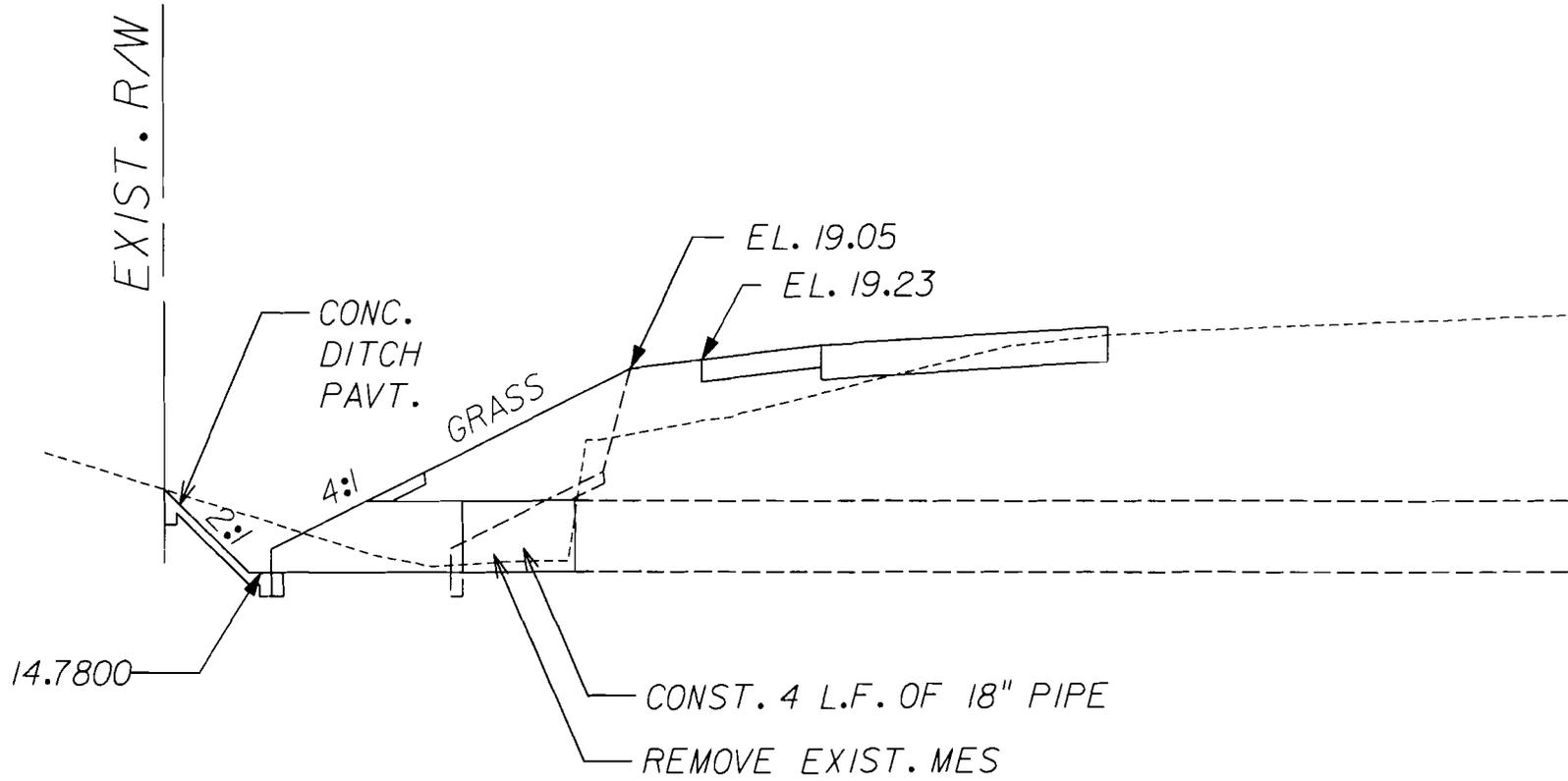
7406 Fullerton St. Suite 350, Jacksonville Fl. 32256 | Tel: (904) 363-8460 | Fax: (904) 363-8811 | Cell: (904) 891-0360 |
 Email: meholcomb@pbsj.com | Web: www.pbsj.com www.atkinsglobal.com

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14.7800

EL. 19.05

EL. 19.23

CONC.
DITCH
PAVT.

GRASS

4:1

CONST. 4 L.F. OF 18" PIPE

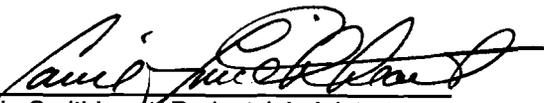
REMOVE EXIST. MES

STA. 20+82
 CONST. 18" MES
 FL 14.78
 FDOT INDEX 272

Resource	Quantity	Unit	Unit Cost	Total
MOBILIZATION	1.00	LS	1100.00	\$ 1,100.00
SUBTOTAL				\$ 1,100.00
REMOVE EXISTING MES STA 20+82.94				
312 EXCAVATOR	4.00	HR	46.43	\$ 185.72
UTILITY LOADER 200	4.00	HR	36.05	\$ 144.20
UTILITY FORMAN	4.00	MH	60.90	\$ 243.60
PIPELAYER	4.00	MH	45.50	\$ 182.00
TAILMAN	4.00	MH	39.85	\$ 159.40
OPERATOR PIPE CREW	4.00	MH	44.50	\$ 178.00
FLAT BED DELIVERY TRUCK	1.50	HR	62.50	\$ 93.75
CONCRETE DISPOSAL FEE	1.00	TONS	55.00	\$ 55.00
SUBTOTAL				\$ 1,241.67
INSTALL NEW CONCRETE COLLAR				
FORMING MATERIAL	1.00	EA	50.00	\$ 50.00
JT WRAP MATERIAL	7.00	LF	8.50	\$ 59.50
2 CONCRETE 3000 PSI	2.00	CY	85.00	\$ 170.00
312 EXCAVATOR	3.50	HR	46.43	\$ 162.51
UTILITY FORMAN	3.50	MH	60.90	\$ 213.15
PIPELAYER	3.50	MH	45.50	\$ 159.25
TAILMAN	3.50	MH	39.85	\$ 139.48
OPERATOR PIPE CREW	3.50	MH	44.50	\$ 155.75
CONCRETE TESTING FEE	1.00	EA	20.00	\$ 20.00
CONCRETE SHORT LOAD FEE	1.00	LS	90.00	\$ 90.00
SUBTOTAL				\$ 1,219.63
PIPE CULV, OPT MATL, ROUND, 0-24" S/CD				
RCP18 - Per Original Contract	8.00	EA	33.12	\$ 264.96
FLAT BED DELIVERY TRUCK	2.00	HR	62.50	\$ 125.00
SUBTOTAL				\$ 389.96
INSTALL 18" MES INDEX 272				
2RCPMES15 - Per Original Contract	1.00	EA	818.37	\$ 818.37
SUBTOTAL				\$ 818.37
CONCRETE DITCH PAVEMENT				
2 CONCRETE 4000 PSI	2.00	CY	85.00	\$ 170.00
FORMING MATERIAL	1.00	EA	50.00	\$ 50.00
307 EXCAVATOR	2.50	HR	46.43	\$ 116.08
UTILITY LOADER 200	2.50	HR	36.05	\$ 90.13
UTILITY FORMAN	2.50	MH	60.90	\$ 152.25
PIPELAYER	2.50	MH	45.50	\$ 113.75
TAILMAN	2.50	MH	39.85	\$ 99.63
OPERATOR PIPE CREW	2.50	MH	44.50	\$ 111.25
CONCRETE SHORT LOAD FEE	1.00	LS	90.00	\$ 90.00
SUBTOTAL				\$ 993.08
TOTAL				\$ 5,762.71 ✓

Change Order No. 5 Engineer's Estimate (ETM)

Description	Quantity	Units	Unit Price	Total Price
Additional Mobilization	1	LS	\$1,200.00	\$ 1,200.00
Remove & Dispose of Existing MES	1	EA	\$ 1,500.00	\$ 1,500.00
Concrete Collar (Misc. Concrete)	2	CY	\$ 522.28	\$ 1,044.56
18" RCP	4	LF	\$ 33.12	\$ 132.48
Re-Sod	30	SY	\$ 2.31	\$ 69.30
Concrete Ditch Pavement	15	SY	\$ 63.92	\$ 958.80
18" MES	1	EA	\$ 818.37	\$ 818.37
Estimate Total =				\$ 5,723.51

By: 
Carrie Smithheart, Project Administrator

Date: 12/10/10

Florida Department of Transportation
 Item Average Unit Cost
 From 2008/01/01 to 2008/12/31

Contract Type: ('CC') STATEWIDE
 Displaying: VALID ITEMS WITH HITS
 From: 0102 3 1 To: 9999999999

Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0327 70 23	2	\$2.93	\$45,901.18	15,671.000	SY	N	MILLING EXIST ASPH PAVT, 6" AVG DEPTH
0334 1 11	8	\$118.50	\$862,181.12	7,275.660	TN	N	SUPERPAVE ASPHALTIC CONC, TRAFFIC A
0334 1 12	21	\$93.77	\$7,134,952.84	76,088.000	TN	N	SUPERPAVE ASPHALTIC CONC, TRAFFIC B
0334 1 13	98	\$92.81	\$73,925,484.74	796,514.070	TN	N	SUPERPAVE ASPHALTIC CONC, TRAFFIC C
0334 1 14	11	\$91.72	\$8,176,474.18	89,149.030	TN	N	SUPERPAVE ASPHALTIC CONC, TRAFFIC D
0334 1 15	1	\$94.00	\$1,045,073.20	11,117.800	TN	N	SUPERPAVE ASPHALTIC CONC, TRAFFIC E
0334 1 21	1	\$121.00	\$53,663.50	443.500	TN	N	SUPERPAVE ASPH CONC, TRAF A, PG76-22
0334 1 22	14	\$93.14	\$11,480,348.96	123,264.990	TN	N	SUPERPAVE ASPH CONC, TRAF B, PG76-22
0334 1 23	21	\$92.52	\$20,164,240.23	217,947.800	TN	N	SUPERPAVE ASPH CONC, TRAF C, PG76-22
0334 1 24	21	\$95.01	\$40,369,415.83	424,915.950	TN	N	SUPERPAVE ASPH CONC, TRAF D, PG76-22
0334 1 25	3	\$94.33	\$12,937,627.90	137,159.780	TN	N	SUPERPAVE ASPH CONC, TRAF E, PG76-22
0337 7 5	28	\$120.72	\$11,609,381.58	96,164.500	TN	N	ASPH CONC FC, INC BIT/RUBBER, FC-5
0337 7 22	23	\$121.40	\$20,335,275.99	167,511.350	TN	N	ASPH CONC FC, INC BIT, FC-5, PG76-22
0337 7 30	6	\$124.25	\$1,668,096.61	13,425.200	TN	N	ASPH CONC FC, TRAFFIC B, FC-9.5, RUBBER
0337 7 31	9	\$115.17	\$3,694,933.34	32,082.700	TN	N	ASPH CONC FC, TRAFFIC B, FC-12.5, RUBBER
0337 7 32	43	\$118.02	\$21,223,659.51	179,830.040	TN	N	ASPH CONC FC, TRAFFIC C, FC-9.5, RUBBER
0337 7 33	32	\$114.54	\$21,664,949.47	189,154.320	TN	N	ASPH CONC FC, TRAFFIC C, FC-12.5, RUBBER
0337 7 40	7	\$112.67	\$3,667,457.20	32,550.400	TN	N	ASPH CONC FC, TRAFFIC B, FC-9.5, PG 76-22
0337 7 41	6	\$114.33	\$3,585,198.97	31,358.300	TN	N	ASPH CONC FC, TRAFFIC B, FC-12.5, PG 76-22
0337 7 42	9	\$114.61	\$4,521,271.73	39,449.300	TN	N	ASPH CONC FC, TRAFFIC C, FC-9.5, PG 76-22
0337 7 43	16	\$111.40	\$16,165,169.65	145,108.600	TN	N	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22
0337 7 45	3	\$137.11	\$754,753.15	5,504.700	TN	N	ASPH CONC FC, TRAFFIC D, FC-12.5, PG 76-22
0339 1	86	\$162.31	\$3,136,915.14	19,327.050	TN	N	MISCELLANEOUS ASPHALT PAVEMENT
0341 70	7	\$5.05	\$3,504,028.75	693,642.000	SY	N	ASPHALT RUBBER MEMBRANE INTERLAYER
0350 1 3	2	\$74.00	\$62,827.76	849.000	SY	N	PLAIN CEMENT CONC PAVT, 8"
0350 1 4	1	\$71.53	\$224,675.73	3,141.000	SY	N	PLAIN CEMENT CONC PAVT, 9"
0350 2 1	1	\$41.40	\$2,691.00	65.000	SY	N	CEMENT CONC PAVT REINFORCED, 6"
0350 72	3	\$1.81	\$308,632.41	170,857.000	LF	N	CLEANING & RESEALING JOINTS - CONC PVMT
0350 78	3	\$1.91	\$57,071.50	29,838.000	LF	N	CLEANING & SEALING RANDOM CRACKS
0352 70	4	\$2.69	\$337,657.66	125,392.000	SY	N	GRINDING CONCRETE PAVT
0353 70	3	\$626.31	\$1,261,381.56	2,014.000	CY	N	CONC PAVT SLAB REPLACEMENT
0400 1 2	31	\$812.97	\$635,123.76	781.240	CY	N	CONC CLASS I, ENDWALLS
0400 1 11	31	\$515.29	\$2,475,525.56	4,804.120	CY	N	CONC CLASS I, RETAINING WALLS
0400 1 15	99	\$522.28	\$1,643,734.22	3,147.200	CY	N	CONC CLASS I, MISCELLANEOUS
0400 2 1	6	\$683.55	\$1,093,756.10	1,600.100	CY	N	CONC CLASS II, CULVERTS

Florida Department of Transportation
 Item Average Unit Cost
 From 2010/01/01 to 2010/12/31

Contract Type: CC AREAS: 05
 Displaying: VALID ITEMS WITH HITS
 From: 0102 1 To: 9999999

Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0508 79 1	1	\$194,293.00	\$194,293.00	1.000	EA	N	MOVABLE BRIDGE-REHAB,CONTROL CONSOLE,F&I
0508 79 4	1	\$4,280.00	\$4,280.00	1.000	EA	N	MOVABLE BRIDGE-REHAB,CONTROL CONSOLE,REM
0508 80 1	1	\$29,350.00	\$29,350.00	1.000	EA	N	MOVABLE BRIDGE-REHAB,BRAKE SYS,F&I
0508 80 4	1	\$950.00	\$950.00	1.000	EA	N	MOVABLE BRIDGE-REHAB,BRAKE SYS,REM
0508 82 1	1	\$88,395.00	\$88,395.00	1.000	EA	N	MOVABLE BRIDGE-REHAB,CONTROL PANEL,F&I
0510 1	1	\$74,069.99	\$74,069.99	1.000	LS	N	NAVIGATION LIGHTS- FIXED BRIDGE, SYSTEM
0512 1 1	1	\$18,370.00	\$18,370.00	1.000	LS	N	MOVABLE BRIDGE-CONTROL HOUSE,RENOVATE
0514 71 1	1	\$2.00	\$5,336.00	2,668.000	SY	N	PLASTIC FILTER FABRIC, SUBSURFACE
0515 1 2	3	\$36.11	\$4,080.08	113.000	LF	N	PIPE HANDRAIL - GUIDERAIL, ALUMINUM
0515 2101	1	\$42.00	\$5,602.80	133.400	LF	N	PED/BICYCLE RAILING,NS,42"PICKET RAIL
0515 2201	1	\$245.00	\$19,110.00	78.000	LF	N	PED/BICYCLE RAILING,STEEL,42"PICKET RAIL
0515 2301	1	\$50.00	\$7,400.00	148.000	LF	N	PED/BICYCLE RAILING, ALUM,42"PICKET RAIL
0519 78	1	\$700.00	\$2,100.00	3.000	EA	N	BOLLARDS
0520 1 7	1	\$9.40	\$14,758.00	1,570.000	LF	N	CONCRETE CURB & GUTTER, TYPE E
0520 1 10	8	\$13.21	\$83,368.96	6,309.000	LF	N	CONCRETE CURB & GUTTER, TYPE F
0520 2 1	1	\$10.55	\$379.80	36.000	LF	N	CONCRETE CURB, TYPE A
0520 2 2	1	\$10.85	\$911.40	84.000	LF	N	CONCRETE CURB, TYPE B
0520 2 4	2	\$15.00	\$1,416.00	94.400	LF	N	CONCRETE CURB, TYPE D
0520 2 8	1	\$16.56	\$3,858.48	233.000	LF	N	CONCRETE CURB, TYPE RA
0520 3	2	\$24.37	\$2,510.00	103.000	LF	N	VALLEY GUTTER- CONCRETE
0520 5 41	2	\$21.45	\$19,967.65	931.000	LF	N	TRAF SEP CONC-TYPE IV, 4' WIDE
0520 70	1	\$49.96	\$4,946.04	99.000	SY	N	CONCRETE TRAFFIC SEPARATOR, SP- VAR WIDT
0521 1 1	1	\$75.00	\$115,275.00	1,537.000	LF	N	MEDIAN BARRIER WALL CONC, PRECAST
0521 5 4	1	\$65.00	\$39,000.00	600.000	LF	N	CONC TRAF RAIL, BRG, 32" VERT FACE
0521 5 8	1	\$47.00	\$141,141.00	3,003.000	LF	N	CONC TRAF RAIL, BRG, RETRO-VERT FACE
0521 5 9	1	\$230.00	\$154,560.00	672.000	LF	N	CONC TRAF RAIL, BRG, SPECIAL DESIGN
0521 72 11	1	\$485.00	\$69,840.00	144.000	LF	N	SHLDR CONC BARRIER WALL,RIGID SHLDR 54"
0522 1	9	\$33.53	\$255,700.40	7,626.200	SY	N	SIDEWALK CONC, 4" THICK
0522 2	5	\$43.26	\$112,000.51	2,589.000	SY	N	SIDEWALK CONC, 6" THICK
0524 1 1	1	\$27.93	\$62,116.32	2,224.000	SY	N	CONCRETE DITCH PAVT, NR, 3"
0524 1 2	2	\$63.92	\$13,552.00	212.000	SY	N	CONCRETE DITCH PAVT, NR, 4"
0524 1 49	1	\$67.88	\$13,372.36	197.000	SY	N	CONC DITCH PAVT, 6", REINFORCED
0524 2 2	1	\$30.00	\$750.00	25.000	SY	N	CONC SLOPE PAVT, NR, 4"
0526 1 1	1	\$147.47	\$34,360.51	233.000	SY	N	PAVERS, ARCHITECTURAL, ROADWAY
0527 1	6	\$380.76	\$59,017.42	155.000	EA	N	DETECTABLE WARNING ON EXIST WALK SURF, R

NASSAU COUNTY CONTRACT MANAGEMENT
 CONTRACTOR: UNITED TROTHERS DEVELOPMENT CORPORATION
 PROJECT: US1 @ RATLIFF ROAD INTERSECTION IMPROVEMENTS
 CONTRACT NO.: CM1606

Report Print Date: 2/9/2011

CHANGE ORDER TRACKING SHEET

CO#	COP #	Date	Purpose	Change Order Amount	Contract Time (Days)		Approval Date	Approval By
					Substan.	Final		
1	1	08/20/10	FDOT Comments & Changes to Plan Sheets	\$2,424.94	0	0	09/07/10	CM
2	2	09/01/10	Add 1,432 SY 6" limerock; Delete 1,432 Type B	\$8,921.36	0	0	10/04/10	CM
3	3	10/06/10	Unsuitable soil under new widening on US1	\$38,832.30	0	0	10/25/10	BOCC
4	4	11/04/10	Plan quantity error; Bid item # 334-1-11	\$6,394.19	0	0	12/06/10	CM
SUBTOTAL- Processed COPs				\$56,572.79	0	0		
PENDING:								
5	5	01/27/11	Remove and replace previously installed 18" MES	\$5,762.71	0	0		
SUBTOTAL- Pending COPs				\$5,762.71	0	0		
TOTAL CHANGE ORDERS				\$62,335.50	0	0		

Original Contract Value
 Change Order(s)
 Total Contract Value

Approved CO's
 \$113,487.33
 \$56,572.79
 \$170,060.12

Total
Incl. Pending
\$113,487.33
\$62,335.50
\$175,822.83

Date of Notice to Proceed:			
Contract Dates/Terms:	Contract Dates	Extension	Final Dates
Substantial Completion:	11/04/09	0	11/04/09
Final Completion:	02/22/10	0	02/22/10