

## AGENDA ITEM SUMMARY

Department:

**Submitted By: Engineering and Public Works**  
**Submitted For: Construction Coordination Division**

**Motion and Title: Staff recommends motion to approve:**

- SUMMARY:** Approval of Change Order No. 5 and the Budget Amendment will allow for earthwork densification of the area in order to assure embankment stability through the installation of rock columns, extended mechanically stabilized earth wall straps, mechanically stabilized earth wall rock foundation, and additional lake slope grading. The Florida Department of Transportation has agreed to reimburse Palm Beach County (County) for fifty percent of the change order work related to the Jog Road portion of this project. This amounts to a reimbursement of \$128,234. The County's match (\$128,234) will be from Road Impact Fees – Zone 3, with the remaining funds (\$94,260.60) coming from Road Impact Fees – Zone 2.

District 6 & 7 (MRE)

**Background and Justification:** The Jog Road/45<sup>th</sup> Street intersection construction required filling in a deep existing lake and obtaining certain levels of compaction before starting the construction of the Mechanically Stabilized Earth Wall (MSE Wall). When lake filling operations to 3 ft. above water level were completed tests were conducted and it was determined that the required levels of compaction had not been achieved. Various densification methods were considered and input was obtained from geotechnical consultants and Florida Department of Transportation (FDOT) experts. It was determined that the most feasible and economical method would be rock (stone) columns and the appropriate specifications were provided by the geotechnical consultant. The proposed method of densification has been negotiated with J.W. Cheatham, LLC and it has been determined that a Change Order in the amount of \$350,727.80 and an additional 180 days will be required. Based on our Jog Road Transportation Regional Incentive Program Agreement, FDOT has agreed to fund fifty percent of the work within Jog Road Right-of-Way or \$128,234.

**Attachments:**

1. Location Map
2. Change Order No. 5
3. Change Order Request (Attachment "A")
4. Change Order History
5. Schedule 1
6. Budget Amendment

**Recommended By:**

12/14/10  
Date

**Approved By:**

12/15/10  
Date

### A. Five Year Summary of Fiscal Impact:

Is Item Included in Current Budget?	Yes	No	X
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Road Impact Fee Fund - Zone 3	
Jog Rd/S. of 45th Street to N. of 45th Street	\$256,467.20
Florida Department of Transportation	<u>&lt;\$128,233.60&gt;</u>
Fiscal Impact	\$222,494.20

### C. Departmental Fiscal Review:

**A. OFMB Fiscal and/or Contract Dev. and Control Comments:**

OFMB 3-12/10 12/15/2010 12/15/10

*Dr. J. Jones* 12/16/10  
Contract Dev. and Control  
E. Jones 12/16/10

**B. Approved as to Form and Legal Sufficiency:**

This item complies with current  
County policies.

Morgan R. Pitts 12/17/17  
Assistant County Attorney

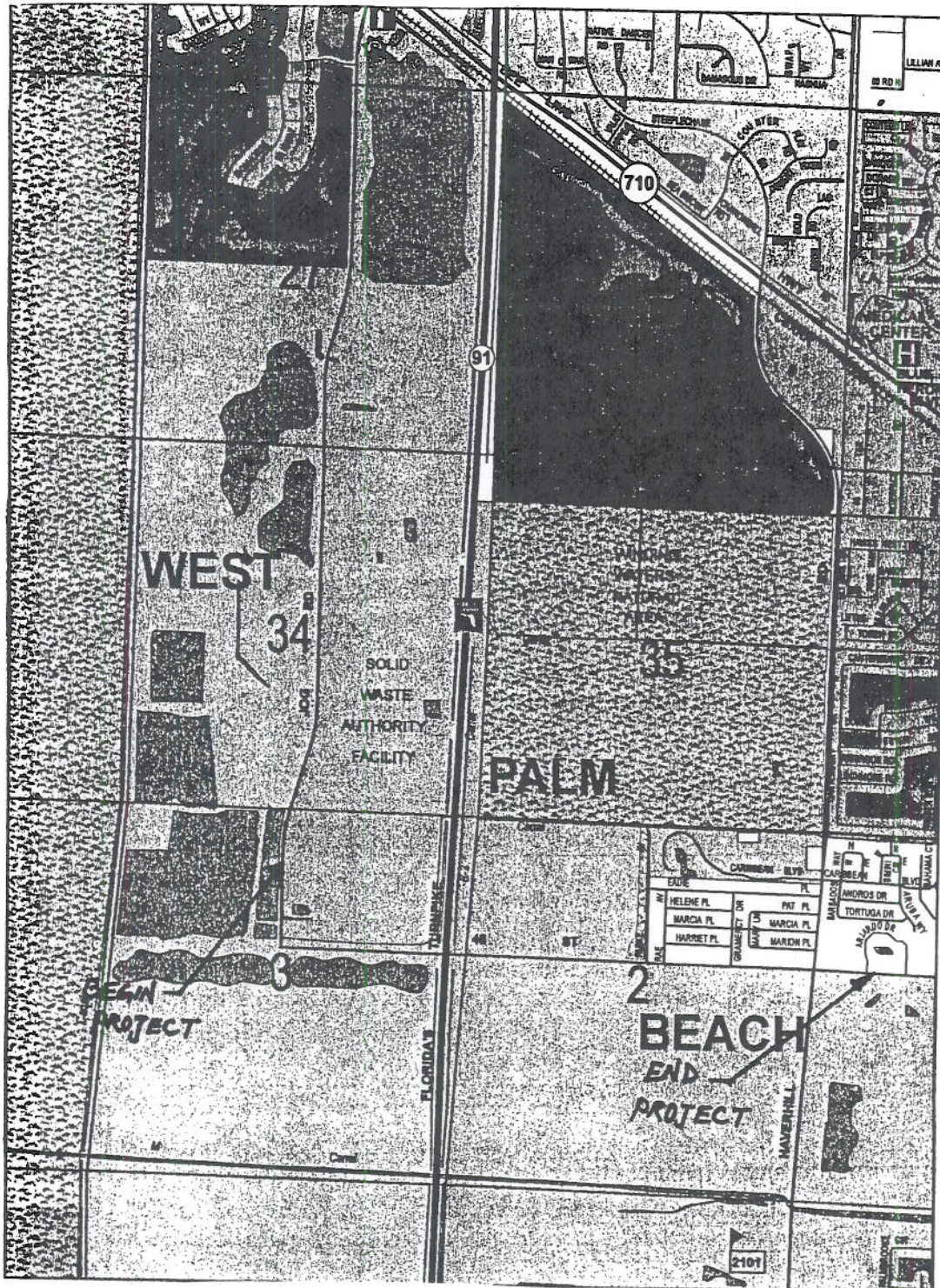
**C. Other Department Review:**

**Department Director**

**This summary is not to be used as a basis for payment.**



**PROJECT LOCATION**  
**45<sup>TH</sup> STREET FROM JOG ROAD TO E. OF HAVERHILL ROAD. &**  
**JOE ROAD FROM S. OF 45<sup>TH</sup> STREET TO N. OF 45<sup>TH</sup> STREET**  
**PROJECT # 2003512 & 1998506B**



**LOCATION SKETCH**



ORIGINAL

Owner Initiated

Differing Site Conditions

Zoning/Code/Ordinance Changes

☒ Errors/Omissions/In Design

Quantity Overruns/Underruns

Request By Another Agency/Outside Party

☐ A. Reimbursable

☐ B. Non-Reimbursable

Other:

PROJECT: 45<sup>th</sup> Street/Jog Road to E. of Haverhill Road &  
(Name) Jog Road S. of 45<sup>th</sup> Street to N. of 45<sup>th</sup> Street  
TO:  
(Contractor) J.W. Cheatham, LLC

CHANGE ORDER NO: 5 (five)  
COUNTY PROJECT NO: 2003512/1998506B  
CONTRACT DATE: 01/12/10  
RESOLUTION NO: R2010-0022  
DISTRICT NO.: 6 & 7

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

Modify earthwork densification of area between Sta. 280+00± and Sta. 283+00± in order to assure embankment stability through the installation of rock columns, extended MSE wall straps, MSE wall rock foundation, and additional lake slope grading.

(See Attachment "A" for price and quantity breakdown)

\$ 350,727.80

The original Contract Sum was . . . . .	\$14,646,240.35
Net change by previous Change Orders. . . . .	\$ 731,857.00
The Contract Sum prior to this Change Order was . . . . .	\$15,378,097.35
The Contract Sum will be increased by this Change Order . . . . .	\$ 350,727.80
The new Contract Sum including this Change Order will be . . . . .	\$15,728,825.15
The Contract Time will be increased by . . . . .	( 180 ) Days
The Date of Completion as of the date of this Change Order therefore is . . . . .	July 31, 2012

EXECUTION OF THIS CHANGE ORDER ACKNOWLEDGES FINAL SETTLEMENT OF, AND RELEASES ALL CLAIMS FOR, COSTS AND TIME ASSOCIATED, DIRECTLY OR INDIRECTLY, WITH THE ABOVE-STATED MODIFICATION(S). INCLUDING ALL CLAIMS FOR CUMULATIVE DELAYS OR DISRUPTIONS RESULTING FROM, CAUSED BY, OR INCIDENT TO, SUCH MODIFICATION(S), AND INCLUDING ANY CLAIM THAT THE ABOVE-STATED MODIFICATION(S) CONSTITUTES, IN WHOLE OR PART, A CARDINAL CHANGE TO THE CONTRACT.

ENGINEER (If Applicable)  
Address  
  
BY  
DATE

J.W. Cheatham, LLC  
CONTRACTOR  
7396 Westport Place  
Address  
West Palm Beach, FL 33413  
  
BY Thomas P. Whrig  
DATE 12/14/10

P.B.Co. Board of County Commissioners  
OWNER  
P.O. Box 21229  
Address  
West Palm Beach, FL 33416-1229  
  
BY  
DATE

Approved as to Form and Legal  
Sufficiency:

(Deputy Clerk)      Date

(County Attorney)

PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS



**Road Building &  
Earthmoving Contractors**

November 22, 2010

Palm Beach County  
Construction Coordination Division  
P.O. Box 21229  
West Palm Beach, FL 33416

Attn: Mr. Ellis Ross, Director

Re: 45<sup>th</sup> Street/Jog Road  
Project Number: 2003512 & 1998506B

Dear Mr. Ross:

As per your request I submit the following price for soil densification per Dunkelberger Engineering's Report dated November 17, 2010 for the above referenced project.

1 Mobilization, Supervision, Survey & Bond	1 LS	@	\$68,135.00 /LS	\$68,135.00
2 MOT				
45th	180 Days	@	\$252.74 /Day	\$45,493.20
Turnpike	180 Days	@	\$523.67 /Day	\$94,260.60
3 Earthwork: Lake Slope Regrading	1 LS	@	\$10,004.00 /LS	\$10,004.00
4 Soil Densification:				
Rock Columns	1 LS	@	\$95,957.00 /LS	\$95,957.00
MSE Wall Straps	1 LS	@	\$29,978.00 /LS	\$29,978.00
5 MSE Leveling Pad 57 Rock Foundation	1 LS	@	\$6,900.00 /LS	\$6,900.00
				<u>\$350,727.80</u>

7396 Westport Place West Palm Beach, FL 33413 Phone: (561) 471-4100 Fax: (561) 471-8348

ATTACHMENT "A"



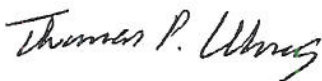
**Road Building &  
Earthmoving Contractors**

Qualifications to this proposal are as follows:

1. Prices are based on a one time mobilization and one time performance as outlined in the soil densification report dated November 17, 2010.
2. Engineering, testing and inspections are not included.
3. Vibration monitoring or surveys are not included.
4. Load test for rock columns is not included.
5. The VR Program will be installed as designed by Dunkleberger. The scope of work is as follows:  
Single row of stone columns on 6.5-ft center spacing between stations 283+10 to 286+89 (59 columns required). Stone column length is from El. -5 to assumed ground surface El. +18.5. Single row of stone columns on 6.5-ft center spacing between stations 286+89 to 288+98 (33 columns required). Stone column length is from El. +5 to assumed ground surface El. +18.5. Total lineal footage of stone column required for this project is 1,832 ft.
6. J.W. Cheatham, LLC does not guarantee the success of these methods of soil densification.
7. A 180 day time extension is required for this work based on 90 days lost time, 30 day approval process and 60 day construction time.
8. Prices are good for 30 days.

Should you have any questions please contact me.

Sincerely,  
J.W. Cheatham, LLC

  
Thomas P Uhrig  
Vice President

7396 Westport Place West Palm Beach, FL 33413 Phone: (561) 471-4100 Fax: (561) 471-8348

ATTACHMENT "A"

CHANGE ORDER HISTORY

PALM BEACH COUNTY PROJECT 45th Street/Jog Road to E. of Haverhill Road & Jog Road S. of 45th Street to N. of 45th Street; Project No.'s 2003512/1998506B

C.O. #	DATE APPROVED	COUNTY ENGINEER		C.R. COMMITTEE		TOTAL DEPT. & C.R. APPROVALS		BOARD OF CO. COMM.	
		AMOUNT	TIME	AMOUNT	TIME	AMOUNT	TIME	AMOUNT	TIME
1	7/22/2010	5,967.00	0						
2	7/22/2010	6,140.00	0						
3	8/12/2010	0.00	0						
4	9/14/2010							719,750.00	0
	TOTAL	12,107.00	0	0.00	0	12,107.00	0		
	CUMULATIVE TOTAL	12,107.00	0	0.00	0	12,107.00	0		
		MAX. AMT. \$100,000.00	MAX. TIME 30 DAYS	MAX. AMT. \$100,000.00	MAX. TIME 90 DAYS	MAXIMUM CUMULATIVE CO. ENG. & C.R. COMM. \$200,000.00	MAX. CUM. CO.ENG.&C.R. 120 DAYS		



**SCHEDULE 1**  
**Change Order No. 5**  
**LIST OF PROPOSED SBE-MWBE SUBCONTRACTORS**

PROJECT NAME: 45<sup>th</sup> St / Jog Rd PROJECT NO. 2003512 + 1998506B  
NAME OF PRIME BIDDER: J.W. Cheatham LLC ADDRESS 7396 Westport Place WPB, F  
CONTACT PERSON: Tom Whrig PHONE NO: 561-471-4100 FAX NO: 561-471-8348  
BID OPENING DATE: Dec 13, 2010 DEPARTMENT: Estimating

**PLEASE IDENTIFY ALL APPLICABLE CATEGORIES OF SUBCONTRACTORS**

Name, Address and Phone Number	(Check one or both Categories) Minority Business    Small Business	Subcontract Amount					
		Black	Hispanic	Women	Caucasian	Other (Please Specify)	
1. <u>NONE</u>	(    )	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
2.	(    )	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
3.	(    )	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
4.	(    )	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
5.	(    )	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
(Please use additional sheets if necessary)		Total	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

Total Bid Price \$ 350727.<sup>80</sup>

Total Value of SBE Participation \$ 0

- NOTE: 1. The amounts listed on this form must be supported by the Subcontractors prices included on Schedule 2 in order to be counted toward goal attainment.  
2. Firms may be certified by Palm Beach County as an SBE and/or an MWBE. If firms are certified as both an SBE and MWBE, please indicate the dollar amount under the appropriate category.  
3. MWBE information is being collected for tracking purposes only.



Attachment #6

2011- \_\_\_\_\_

BOARD OF COUNTY COMMISSIONERS  
PALM BEACH COUNTY  
BUDGET Amendment

FUND Road Impact Fee – Zone 3

BGRV 121410-153  
BGEX 121410-601

ACCOUNT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 12/14/10	REMAINING BALANCE
<u>REVENUES</u>								
<u>JOG RD/S OF 45<sup>TH</sup> STREET-N OF 45<sup>TH</sup> STREET</u>								
3503-361-1328-3404	State Grant Capital-Transport	2,168,796	2,168,796	128,234	0	2,297,030		
TOTAL RECEIPTS & BALANCES		46,432,647	46,432,647	128,234	0	46,560,881		
<u>EXPENDITURES</u>								
<u>JOG RD/S OF 45<sup>TH</sup> STREET-N OF 45<sup>TH</sup> STREET</u>								
3503-361-1328-6551	Road & Street Improvements	2,992,334	2,992,334	128,234	0	3,120,568	2,316,888	803,680
TOTAL APPROPRIATIONS & EXPENDITURES		46,432,647	46,432,647	128,234	0	46,560,881		

	SIGNATURE	DATE	By Board of County Commissioners At Meeting of <u>12/21/10</u>
Engineering & Public Works	<u>Ashwell White</u>	<u>12/14/10</u>	
Administration / Budget Approval	_____	_____	_____
OFMB Department – Posted	_____	_____	Deputy Clerk to the Board of County Commissioners