

8/9/16  
Date

## II. FISCAL IMPACT ANALYSIS

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

<b>Fiscal Years</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
<b>Capital Expenditures</b>	<b>(\$1,240,448)</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>
<b>Operating Costs</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>
<b>External Revenues</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>
<b>Program Income (County)</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>
<b>In-Kind Match (County)</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>
<b>NET FISCAL IMPACT</b>	<b>(\$1,240,448)</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>	<b>-0-</b>
<b># ADDITIONAL FTE</b>					
<b>POSITIONS (Cumulative)</b>					

Is Item Included in Current Budget?      Yes   X      No

**Budget Account No:**

Fund 3500      Dept 361      Unit 1448      Object 6551

**Recommended Sources of Funds/Summary of Fiscal Impact:**


Transportation Improvement Fund  
CR880 Embankment Repairs Near 20 Mile Bend

Change Order #1 (1,240,447.48)

C. Departmental Fiscal Review: Alu Kivalainen

### III. REVIEW COMMENTS

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

 7/21/16  
 ASD OFMB ET 7/20  
 7/21

*Dr. S. Jacoby* 8/8/16  
Contract Dev. and Control  
*8/8/16 TE*

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

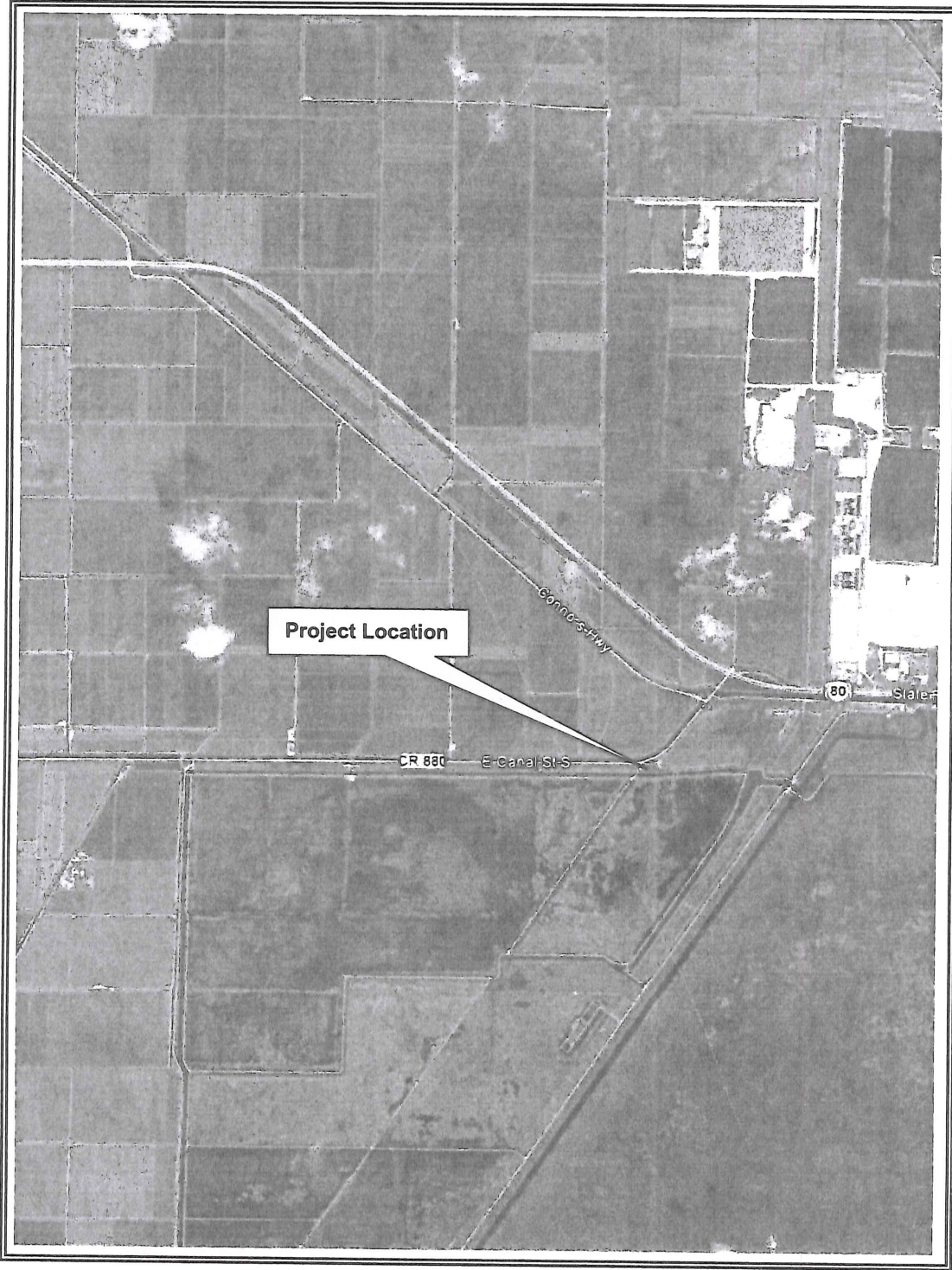
Marlene R. Little 8/9/16  
Assistant County Attorney

### C. Other Department Review:

**Department Director**

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

**PROJECT LOCATION  
COUNTY ROAD 880  
20 MILE BEND SLOPE PROTECTION  
PALM BEACH COUNTY PROJECT #2013619**



LOCATION MAP

ORIGINAL X Quantity U

☒ Quantity Underruns  
Request By Another Agency/Outside Party:

Other:

CHANGE ORDER NO: 1 (One)  
COUNTY PROJECT NO: 2013619  
CONTRACT DATE: 04/21/15  
RESOLUTION NO: R2015-0463  
DISTRICT NO: 6  
FEDERAL NO: FM433961-1-58/68-01

Due to significant quantity underruns, increase the contract unit price for Pay Item No. 6, Channel Excavation, as negotiated, from \$18.50/cy to \$26.46/cy. Also increase the contract unit price for Pay Item No. 15, Sand and 57 Stone (50-50) Mix, as negotiated, from \$41.00/ton to \$54.68/ton.

Attachment "A" – Engineer's Estimate.  
Attachment "B" – Basis of Estimate.  
Attachment "C" – Entitlement Analysis.

The original Contract sum was . . . . .	\$ 4,064,012.40
Net change by previous Change Orders. . . . .	\$ -0-
The Contract Sum prior to this Change Order was . . . . .	\$ 4,064,012.40
The Contract Sum will be decrease by this Change Order . . . . .	\$(1,240,447.48)
The new Contract Sum including this Change Order will be. . . . .	\$ 2,823,564.92
The Contract Time will be unchanged by . . . . .	( 0 ) Days
The Date of Completion as of the date of this Change Order therefore is . . . . .	10/24/2015

**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.**

**ATTEST: Sharon R. Bock,  
Clerk & Comptroller**

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

(County Attorney)



COUNTY ROAD 880 TWENTY MILE BEND SLOPE PROTECTION  
PALM BEACH COUNTY PROJECT #2013619,  
FDOT FM #433961-1-58/68-01

Attachment "A"

ENGINEER'S ESTIMATE – CHANGE ORDER #1

As a result of significant quantity under runs for Pay Item No. 6, Channel Excavation and Pay Item No. 15, Sand & 57 Stone (50-50) Mix, the Contract Unit Prices for those items are being adjusted.

Department of Engineering  
and Public Works

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West Palm Beach, FL 33416-1229  
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www.pbcgov.com

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Melissa McKinlay  
Priscilla A. Taylor

County Administrator

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Original Contract Quantity, Unit Price and Scheduled Cost for  
Pay Item No. 6, Channel Excavation

40,558 cubic yards @ \$ 18.50 / cubic yard  
Scheduled Cost = \$ 750,323.00

Original Contract Quantity, Unit Price and Scheduled Cost for  
Pay Item No. 15, Sand & 57 Stone (50-50) Mix

29,652 tons @ \$ 41.00 / ton  
Scheduled Cost = \$ 1,215,732.00

Original Scheduled Cost of Pay Item Nos. 6 and 15

\$ 750,323.00 + \$ 1,215,732.00 = \$ 1,966,055.00

Engineer's Cost Estimate for Decrease in the Work for Pay Item Nos. 6 and 15

Labor & Burden	\$ 259,761.51
Materials & Supplies	\$ 97,283.53
Equipment	\$ 132,755.85
Indirect Cost, Expenses & Profit	\$ 48,980.09
<b>TOTAL (rounded to whole dollar)</b>	<b>\$ 538,781</b>

The Engineer's Cost Estimate total amount was pro-rated based on the original scheduled cost percentage of work included in the contract and adjusted unit prices were calculated as follows:

PAY ITEM	PERCENTAGE	ADJUSTED UNIT PRICE
Sand and 57 Stone (50-50) Mix	61.84%	\$ 54.68 / ton
Channel Excavation	38.16%	\$ 26.46 / cubic yard

FINAL QUANTITY PAY AMOUNT

Sand and 57 Stone Mix	3,759.75 tons @ \$ 54.68/ton	\$ 205,598.82
Channel Excavation	12,590 cubic yards @ \$ 26.46/cy	\$ 333,182.98
<b>TOTAL (rounded to whole dollar)</b>		<b>\$ 538,781</b>

DECREASE IN CONTRACT SUM

Remaining Contract Balance	\$1,392,163.48
Amount Due This Change Order	\$ 151,716.00
Decrease in Contract Amount	\$1,240,447.48

OFFICE OF THE COUNTY ENGINEER

Stephen O'Neil, Chief Construction Coordinator  
Construction Coordination Division



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**COUNTY ROAD 880 TWENTY MILE BEND SLOPE PROTECTION**

**FINANCIAL PROJECT ID FM #433961-1-58/68-01  
FEDERAL JOB NUMBER E130 007 E  
CONTRACT NO. ARK66  
PALM BEACH COUNTY PROJECT #2013619**

**BASIS FOR ESTIMATE – CHANGE ORDER #1**

The Basis For Estimate for this Change Order is derived from a combination of the contractor's certified payrolls, equipment rates, material costs and Palm Beach County's inspection reports to create an analysis for the actual costs for the full amount of work to construct contract Item 6, Channel Excavation and contract Item 15, Sand & 57 Stone (50-50) Mix, which were underrun significantly from the plan quantities. The agreed payment for the two (2) items in question was calculated as provided in Contract Article 5-12.1.2.

The contractor is entitled to 100% of the itemized costs for Labor and Burden, Materials and Supplies, Equipment and Indirect Cost, Expenses and Profit.



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**ENTITLEMENT ANALYSIS – CHANGE ORDER #1**

This Entitlement Analysis is to ensure comprehensive and supportive recommendations to compensate the Contractor for the costs associated with renegotiations of contract Item 6, Channel Excavation and contract Item 15, Sand and 57 Stone (50-50) Mix due to significant under runs in these items as detailed in Article IX (pages TSP-16 and TSP-17) of the Construction Contract.

On August 18, 2015, Shoreline Foundation, Inc. (SFI) notified Palm Beach County (PBC) of a significant discrepancy between the contract quantities and the actual quantities being realized in the field. An agreement was reached between PBC and SFI to continue work with the understanding that the contract unit rates for Item 6, Channel Excavation and Item 15, Sand and 57 Stone (50-50) Mix would be adjusted when final quantities were determined.

The final quantity for Item 6, Channel Excavation was determined to be 12,590 cubic yards completed and accepted which results in a quantity under run of 69%. The final quantity for Item 15, Sand and 57 Stone (50-50) Mix was determined to be 3,759.75 tons completed and accepted which results in a quantity under run of 87%.

The contractor is entitled to 100% compensation for this additional work. There will be no premium costs associated with this issue.

Therefore we recommend the Contractor receive full payment for the full cost of this work.