

PORT ST. LUCIE CITY COUNCIL  
AGENDA ITEM REQUEST

COUNCIL ITEM 7B  
DATE 11/19/12

Meeting Date: November 19, 2012

Public Hearing  Ordinance  Resolution  Motion

Item: Contract #20120099 CO #1 - Emergency Repairs to Airoso Blvd. between Sagamore Terrace & Twylite Terrace

Recommended Action: Approval of CO #1 for the final true up for the emergency repairs to Airoso Blvd. between Sagamore Terrace and Twylite Terrace with Felix Associates of Florida, Inc. in the amount of a net decrease of (\$83,457.95) and a decrease in contract time of ten (10) calendar days. The final Contract amount is \$192,771.65.

Exhibits: Department memo attached [ X ] yes [ ] no

Summary Explanation/Background Information: On August 27, 2012, the heavy rains from Tropical Storm Isaac overwhelmed the drainage facilities on Airoso Blvd. in the area of Sagamore Terrace and Twylite Terrace creating a washout that resulted in a lane closure. The original unit quantities were derived pre-design to allow the contractor to commence work as soon as possible due to the emergency nature of the repairs. Adjustments to the quantities evolved as the final construction plans were completed and actual field conditions were established. The final true up for the project allows for all adjustments, additions and deletions to be accounted for and to close out the project. Please see summary memo for additional information.

The Engineering Department has reviewed the change order and finds it to be reasonable and recommends City Council approval.

Purchase is a replacement. This cost reduction will impact this fiscal year.

Expenditure: **(\$83,457.95) & a decrease of 10 calendar days**

Department requests expenditure from the following:

Fund	401	Stormwater Fund
Cost Center	2500	Disaster Cost Center
Object Code	534000	Contractual Services
Project	Y1250	Tropical Storm Isaac

Director of OMB concurs with award:  City Manager concurs with award: 

Department requests   -0-   minutes to make a presentation.

Submitted by:    James Angstadt for Patricia Roebing    Date Submitted: 11/8/2012 **RECEIVED**

Title:    Assistant Public Works Director   

NOV 14 2012

**CHANGE ORDER**

(Instructions on reverse side)

No.: 1

<b>PROJECT:</b>	City of Port St. Lucie	<b>DATE OF ISSUANCE:</b>	
<b>OWNER:</b>	City of Port St. Lucie 121 SW Port St. Lucie Boulevard Port St. Lucie, Florida 34984	<b>OWNER's Project No.:</b>	<u>20120099</u>
<b>CONTRACTOR:</b>	Felix Associates of Florida, Inc. 8526 SW Kansas Avenue Stuart,, FL 34997 772-220-2722	<b>ENGINEER:</b>	Culpepper & Terpening
<b>CONTRACT FOR:</b>	Tropical Storm Isaac Repairs Y1250 - Airoso Boulevard		

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

Purpose of Change Order: Various additions and deletions.

	<u>Amount</u>	<u>Days:</u>
<b>Quantity Under-runs</b>		
1" SP-9.5 Asphalt	-\$7,222.50	
Type F Curb	-\$232.74	
New 72" Headwall	-\$56,057.00	
Reset Existing 72" RCP	-\$11,841.00	
Epoxy Interior Joints 72" RCP	-\$11,116.00	
Rip-Rap bank & Shore	-\$14,300.00	
Fiber Optic Pull Box	-\$686.00	
Pavement Markings	-\$450.00	
Excavate Canal	<u>-\$23,966.00</u>	
	-\$125,871.24	
<b>Quantity Over-runs</b>		
Embankment	\$8,873.24	
12" Stabi,lized Subgrade	\$566.40	
10" Coquina Base	\$1,782.00	
2" SP 12.5 Asphalt	\$5,498.44	
4" Thick Sidewalk	\$972.00	
Repair Existing Canal Slope	\$1,880.00	
Regrade & Install Sod	<u>\$11,004.32</u>	
	\$30,576.40	
<b>Additional Items</b>		
MOB & Barrier Wall	\$3,661.45	
Restrain 16" Force Main	\$3,219.44	
Remove Debris	\$5,386.98	
Aluminum Weir	\$1,449.03	
Import Fill	<u>-\$1,890.00</u>	
	\$11,826.90	

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIME:
Original Contract Price \$ 276,229.60	Original Contract Time 40 days or date
Previous Change Orders \$ -	Net change from previous Change Orders 0 days
Contract Price prior to this Change Order \$ 276,229.60	Contract Time prior to this Change Order 40 days or date
Net Increase (Decrease) of this Change Order \$ (83,457.95)	Net Increase (Decrease) of this Change Order -10 days
Contract Price with all approved Change Orders \$ 192,771.65	Contract Time with all approved Change Orders 30 days or date

RECOMMENDED:

By \_\_\_\_\_  
Engineer

APPROVED:

by \_\_\_\_\_  
Owner

APPROVED:

by \_\_\_\_\_  
Contractor



"A City for All Ages"

# CITY OF PORT ST. LUCIE

Public Works Department

Accredited Agency – American Public Works Association

## MEMORANDUM

To: Cheryl Shanaberger – Deputy Director of OMB (via electronic submittal)

Thru: Patricia Roebeling, P.E. Public Works Director / City Engineer 

From: Frank Knott, Project Manager 

Date: November 5, 2012

Re: **Airosa Boulevard Emergency Repairs Y1250  
Construction Contract No. 20120099 – Felix Associates of Florida, Inc.  
True-Up & Final Application for Payment**

Attached, please find the Change Order to the construction contract with Felix Associates of Florida, Inc. along with the backup information. We are requesting authorization by the City Council for the City Manager to execute the Change Order as referenced above and as further described below.

This Change Order is a true-up to the contract includes adjustments to the original quantities with some additional items required to complete the work. The overall contract value results in a decrease in the amount by eighty-three thousand four hundred fifty-seven dollars and ninety-five cents (\$83,457.95) and a 10 day decrease to the contract time.

This final application for payment includes adjustments to the original quantities along with some additional items required to complete the work. The original unit quantities were derived pre-design to allow the contractor to commence with the work as soon as possible due to the emergency nature of the repairs. Adjustments to the quantities referenced above evolved as the final construction plans were completed and actual field conditions established. The individual contract line items that require adjustment, along with the reason for the adjustments are provided as follows:

Quantity Under-runs:

The project required less quantities for certain pay items to complete the project. The total amount of under-run cost is (-) \$125,871.24 and is itemized as follows:

<u>Pay Item</u>	<u>Cost Savings</u>
1" SP-9.5 Asphalt	(-) \$ 7,222.50
Type F Curb	(-) \$ 232.74
New 72" Headwall	(-) \$56,057.00
Reset Existing 72" RCP	(-) \$11,841.00
Epoxy Interior Joints 72" RCP	(-) \$11,116.00
Rip-Rap Bank & Shore	(-) \$14,300.00
Fiber Optic Pull Box	(-) \$ 686.00
Pavement Markings	(-) \$ 450.00
Excavate Canal to 3' depth (MHW)	(-) \$23,966.00

Due to the extensive loss of material over the 72" culvert and around the headwall it was originally estimated that the 72" culvert and headwall would need to be repaired or replaced. As the repair work progressed it became evident that the existing 72" culvert and headwall could be salvaged therefore not requiring replacement. Additionally, the extent of the canal work was less than originally anticipated resulting in less Rip-Rap Bank & Shore as well as canal excavation.

Quantity Overruns:

The project required additional quantities for certain pay items to complete the project. The total amount of overrun cost is \$30,576.40 and is itemized as follows:

<u>Pay Item</u>	<u>Additional Cost</u>
Embankment	\$ 8,873.24
12" Stabilized Subgrade	\$ 566.40
10" Coquina Base	\$ 1,782.00
2" SP 12.5 Asphalt	\$ 5,498.44
4" Thick Sidewalk	\$ 972.00
Repair Existing Canal Slope	\$ 1,880.00
Regrade and Install Sod	\$11,004.32

The overruns were a direct result of encountering more area of required repair than initially estimated. It is of note that the Re-grade and Install Sod overrun related to the restoration of the vacant private property used by the contractor to stage the work.

Additional Items

The additional pay items provided in the project true-up encompassed the emergency work that Felix was required to perform in advance of the contract as well as some new items required during construction. The majority items dealt with the immediate securing of the project site within 24 hours of the event and are noted as such below. The two new items were the installation of a weir within the existing drainage structure to allow an additional outfall pipe to be placed into the canal and a deduction in contract price for the use of the dredged material as replacement fill to offset the need for additional import fill. The total amount of the initial emergency work is \$11,826.90 and item itemized as follows:

<u>Pay Item</u>	<u>Additional Cost</u>
MOB & Barrier Wall	\$3,661.45
Restrain 16" Force Main	\$3,219.44
Remove Debris	\$5,386.98
Aluminum Weir	\$1,449.03
Import Fill Deduct	(-) \$1,890.00

The account number associated with this project is 401-2500-534000-Y1250, Tropical Storm Isaac Repairs. Please schedule this for presentation at the November 19<sup>th</sup> Special City Council meeting. If additional documentation is needed or if you have any questions, please let me know.

Attachments

s:\tropical storm isaac 8-27-12\airoso\memo to omb felix-airoso trueup.doc



**CULPEPPER & TERPENING, INC**  
 CONSULTING ENGINEERS | LAND SURVEYORS

Sender's Email: smatthes@ct-eng.com  
 File: PSL Eng  
 Job 12-253

November 5, 2012

**VIA: Hand Delivery**

Mr. Frank Knott  
 Project Manager – Regulatory Division  
 Public Work Department  
 City of Port St. Lucie  
 121 S.W. Port St. Lucie Blvd.  
 Port St. Lucie, FL 34984

**RE: Airoso Boulevard Emergency Repairs Y1250  
 Construction Contract No. 20120099 – Felix Associates of Florida, Inc.  
 True-Up & Final Application for Payment**

Dear Mr. Knott:

The construction contractor, Felix Associates of Florida, Inc. has successfully completed the emergency repair work associated with the above referenced project. Please find attached the Application for Payment No. 2 & Final for the above referenced work. We have reviewed the application, find it to be true and correct for the work performed, and would recommend payment to the contractor in the amount of \$102,153.40.

This final application for payment includes adjustments to the original quantities along with some additional items required to complete the work. The overall contract value results in a net decrease of \$83,457.95 from the original contract amount.

The original unit quantities were derived pre-design to allow the contractor to commence with the work as soon as possible due to the emergency nature of the repairs. Adjustments to the quantities referenced above evolved as the final construction plans were completed and actual field conditions established. The individual contract pay items that require adjustment, along with the reason for the adjustments are provided as follows:

Quantity Under-runs:

The project required less quantities for certain pay items to complete the project. The total amount of under-run cost is (-) \$125,871.24 and is itemized as follows:

<u>Pay Item</u>	<u>Percent of Under-run</u>	<u>Cost Savings</u>
1" SP-9.5 Asphalt	100%	\$ 7,222.50
Type F Curb	10%	\$ 232.74
New 72" Headwall	100%	\$56,057.00
Reset Existing 72" RCP	100%	\$11,841.00
Epoxy Interior Joints 72" RCP	78%	\$11,116.00
Rip-Rap Bank & Shore	41%	\$14,300.00
Fiber Optic Pull Box	50%	\$ 686.00
Pavement Markings	30%	\$ 450.00
Excavate Canal to 3' depth (MHW)	46%	\$23,966.00

12-253 Airoso Headwall Repair, PSL Eng, Knott, True-up letter (draft 1).doc

A LEGACY OF EXPERTISE AND EXCELLENCE

2980 SOUTH 25TH STREET | FT. PIERCE, FL 34981 | (772) 464-3537 | FAX: (772) 464-9497

Due to the extensive loss of material over the 72" culvert and around the headwall it was originally estimated that the 72" culvert and headwall would need to be repaired or replaced. As the repair work progressed it became evident that the existing 72" culvert and headwall could be salvaged therefore not requiring replacement. Additionally, the extent of the canal work was less than originally anticipated resulting in less Rip-Rap Bank & Shore as well as canal excavation.

Quantity Overruns:

The project required additional quantities for certain pay items to complete the project. The total amount of overrun cost is \$30,576.40 and is itemized as follows:

<u>Pay Item</u>	<u>Percent of Overrun</u>	<u>Additional Cost</u>
Embankment	50%	\$ 8,873.24
12" Stabilized Subgrade	24%	\$ 566.40
10" Coquina Base	73%	\$ 1,782.00
2" SP 12.5 Asphalt	154%	\$ 5,498.44
4" Thick Sidewalk	30%	\$ 972.00
Repair Existing Canal Slope	25%	\$ 1,880.00
Re-grade and Install Sod	789%	\$11,004.32

The overruns were a direct result of encountering more area of required repair than initially estimated. It is of note that the Re-grade and Install Sod overrun related to the restoration of the vacant private property used by the contractor to stage the work.

Additional Items

The additional pay items provided in the project true-up encompassed the emergency work that Felix was required to perform in advance of the contract as well as some new items required during construction. The total amount of the additional items of work is \$11,826.90 and item itemized as follows:

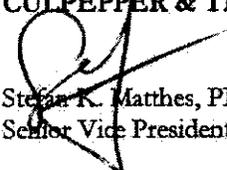
<u>Pay Item</u>	<u>Type of Item</u>	<u>Additional Cost</u>
MOB & Barrier Wall	Emergency Work	\$3,661.45
Restrain 16" Force Main	Emergency Work	\$3,219.44
Remove Debris	Emergency Work	\$5,386.98
Aluminum Weir	New Work	\$1,449.03
Import Fill Deduct	New Work	(-) \$1,890.00

The majority items dealt with the immediate securing of the project site within 24 hours of the event and are noted as such below. The two new items were the installation of a weir within the existing drainage structure to allow an additional outfall pipe to be placed into the canal and a deduction in contract price for the use of the dredged material as replacement fill to offset the need for additional import fill.

We trust that this letter provides the justification for the true-up of the project and allows the final payment to be made to the contractor. As always, if you should have any questions regarding this submittal please do not hesitate to contact me at (772) 464-3537, ext. 114 or via the email referenced above.

Sincerely,

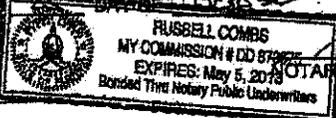
**CULPEPPER & TERPENING, INC.**



Stefan K. Matthes, PE  
Senior Vice President

cc: Ben Baummier



CONTRACTOR APPLICATION FOR PAYMENT	
<b>PROJECT NAME:</b> Airoso Emergency Repairs	<b>Application No.:</b> 2 & FINAL
<b>Owner:</b> City of Pt. St. Lucie	<b>Date Prepared :</b> 10/19/2012
	<b>Period Beginning:</b> 9/3/2012
<b>Contractor :</b> Felix Associates of Florida, Inc.	<b>Period Ending :</b> 10/10/2012
	<b>Felix's Project No.:</b> 1089-040
<b>Engineer :</b> Culpepper & Turpening , Inc. 2980 South 25th Street FL Pierce , Florida 34981	<b>Owner's Contract No.:</b>
	<b>Dollar % Completion :</b> 66.92%
	<b>Last Change Order No.:</b> 0
	<b>Work Started:</b> 8/27/2012
	<b>Contract Time(Days) :</b>
	<b>Contract Completion Date :</b> 10/10/2012
<b>Analysis of Adjusted Contract Amount to Date :</b>	
(A) Original Contract Amount	\$ 276,229.60
(B) Plus/Less: Changes per Schedule of Contract Change Orders	\$ 11,826.90
(C) Current Contract Amount to Date Based on Quantities	\$ 288,056.50
<b>Analysis of Work Performed :</b>	
(A) Total Value of Work Performed to Date	\$ 192,771.65
(B) Less 0% Retained	\$ -
(C) Net Value Earned on Contract to Date	\$ 192,771.65
(D) Less : Amount of Previous Applications	\$ 90,618.25
(J) Balance Due this Application	\$ 102,153.40
<b>Contractor's Certification :</b> The undersigned Contractor certifies that :	
(1) All previous progress payments received from Owner on Account of Work done under the Contract referred to above have been applied to discharge in full all obligations of Contractor incurred in connection with Work covered by prior Applications for Payment numbered 1 through 1 inclusive; (1) Title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all liens, claims, security interest and encumbrances (except such as are covered by Bond acceptable to Owner indemnifying Owner against such lien, claim, security interest or encumbrance); (3) All Work covered by this Application for Payment is in accordance with the Contract Documents and not defective as that term is defined in the Contract Documents.	
Dated <u>10-25</u> , 2012	Felix Associates of Florida, Inc. Contractor By <u>Ben Baummier</u> Ben Baummier Project Manager
<b>Acknowledgement:</b>	
STATE OF FLORIDA, COUNTY OF ST LUCIE, BEFORE ME PERSONALLY APPEARED Ben Baummier TO ME WELL KNOWN TO BE THE PERSON DESCRIBED IN AND WHO EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO AND BEFORE ME THAT HE EXECUTED SAID INSTRUMENT FOR THE PUPOSED THEREIN EXPRESSED.	
WITNESS MY HAND AND OFFICIAL THIS <u>10-25</u> 2012	
MY COMMISSION EXPIRES <u>5/5/13</u>	
<b>Contractor's Recommendation:</b> Payment of the above amount due this application is recommended	
Dated _____, 20__	<u>CULPEPPER &amp; TURPENING</u> Company Name
Approved by OWNER for Payment :	Owner
By _____	By <u>[Signature]</u> Company Rep
Date :	

