

PORT ST. LUCIE CITY COUNCIL
AGENDA ITEM REQUEST

COUNCIL ITEM 7D
DATE 11/14/11

Meeting Date: November 14, 2011

Public Hearing Ordinance Resolution Motion

Item: E-Bid #20100118 CO #2 Becker Road Widening Project, Segment 3

Recommended Action:

- 1) Award of Change Order #2 to Felix Associates, LLC for the construction of Becker Road Widening Segment 3 in the amount of a net decrease of (\$32,750.09). This Change Order does not require any additional calendar days. Contract Period will remain at 365 calendar days ending on February 28, 2012.

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

Summary Explanation/Background Information: This Change Order for SW Becker Road Segment #3 involves additional survey/as-built services, water and sewer adjustments, additional signs, driveway extensions, vinyl sheeting adjustments, guardrail additions, closure work at Alpha Street, sidewalk revisions, reduction in irrigation quantities and palm tree relocations. This change order requests an adjustment in the contract price of a net reduction of (\$32,750.09). This Change Order does not require any additional calendar days for the work identified. This Change Order will be credited to account #360-4105-568810-Y1009.

The Engineering Department and the Engineer of Record has reviewed the changes and recommend the Council approves the Change Order.

Purchase is not a replacement

Purchase is budgeted.

Award Amount: **(\$32,750.09) & 0 additional days**

Department requests expenditure from the following:

Fund	360	Becker Rd. Fund
Cost Center	4105	Engineering Operations
Object Code	568810	Roadway & Drainage
	567100	Water
	567200	Sewer
Project	Y1009	Becker Rd. Widening Seg 3

Director of OMB concurs with award: DRP

City Manager concurs with award: JAB

Department requests 0 minutes to make a presentation.

Submitted by: Patrcia Roebing

Date Submitted: 11/04/11

Title: City Engineer

RECEIVED

NOV 03 2011

City Manager's Office

CHANGE ORDER

(Instructions on reverse side)

No.: Change Order # 02

PROJECT:	City of Port St. Lucie	DATE OF ISSUANCE:	
OWNER:	City of Port St. Lucie 121 SW Port St. Lucie Boulevard Port St. Lucie, Florida 34984	OWNER's Project No.:	<u>20100118</u>
CONTRACTOR:	Felix Associates of Florida, Inc. 8526 SW Kansas Avenue Stuart, Florida 34997	ENGINEER:	AECOM
CONTRACT FOR:	Becker Road - Segment #3		

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

Description: City of Port St. Lucie Contract No. 20100118 / CO #2

Purpose of Change Order:

1. Decrease in contract amount for adjustments to work items and additional work requested.
2. All other contract provisions / addenda remain in full force & effect.

Please see attached Document of Changes

See Attached Memos & Price Proposals

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIME:
Original Contract Price \$ <u>6,551,425.54</u>	Original Contract Time <u>365</u> days or date
Previous Change Orders No. 0 through 1 \$ <u>68,593.80</u>	Net change from previous Change Orders <u>0</u> days
Contract Price prior to this Change Order \$ <u>6,620,019.34</u>	Contract Time prior to this Change Order <u>365</u> days or date
Net Increase (Decrease) of this Change Order \$ <u>(32,750.09)</u>	Net Increase (Decrease) of this Change Order <u>0</u> days
Contract Price with all approved Change Orders \$ <u>6,587,269.25</u>	Contract Time with all approved Change Orders <u>365</u> days or date

RECOMMENDED:	APPROVED:	APPROVED:
By _____	by _____	by _____
Engineer	Owner	Contractor



"A City for All Ages"

CITY OF PORT ST. LUCIE

Engineering Department

Accredited Agency - American Public Works Association



MEMORANDUM

TO: CHERYL SHANABERGER -DEPUTY DIRECTOR OF OMB

FROM: STEVE JUNGJOHAN, MANAGER, CIP *sj*

DATE: OCTOBER 28, 2011
REVISED: NOVEMBER 3, 2011

RE: BECKER ROAD WIDENING, SEGMENT #3
FELIX ASSOCIATES OF FLORIDA, INC.
CONTRACT NO. 20100118
CHANGE ORDER NO. 2

Attached please find a change order form, recommendation letter and a cost breakdown spreadsheet for Change Order No. 2 to Contract 20100118 with Felix Associates of Florida, Inc. for additional work and quantity adjustments associated with the Segment 3 section of the Becker Road Widening Project. The Engineering Department is requesting authorization by the City Council for the City Manager to execute the necessary change order as referenced above and as further described below.

Change Order No. 2 to the Segment 3 portion of the Becker Road Widening contract with Felix Associates of Florida, Inc. (Contract No. 20100118) involves additional survey/as-built services, water and sewer adjustments, additional signage, driveway extensions, vinyl sheeting adjustments, guiderail additions, closure work at Alpha Street, sidewalk revisions, reduction in irrigation main quantities and palm tree relocations. *This change order will result in a decrease in the contract price of \$32,750.09 for a new contract total of \$6,587,269.25, which will be credited to account number 360-4105-568810-Y1009. This change order involves no change in contract time.*

The Engineering Department has reviewed this documentation and recommends approval of Change Order No. 2. Please schedule Change Order No. 2 for presentation at the next available City Council meeting for their consideration. Three (3) original signed change order forms will be forwarded to your office once they have been signed by the contractor. If additional documentation is needed, or if you have any questions, please do not hesitate to contact me. Thank you for your cooperation.

/jea

c: Jesus Merejo, Utility Systems Director
Patricia Roebing, P.E., City Engineer
Kimberly Graham, P.E., Assistant City Engineer
Dave Pollard, Director of OMB
James E. Angstadt, P.E. Civil Engineer
Randy Scott, P.E., AECOM

S:\projects\Becker Road Widening - Turnpike to I95\Phase II- Segment 2-4\5.0 Construction\5.1 Contract Documents\5.1.13 Seg 3 Felix Associates\11-11-03 OMB BeckSeg3 FELIXCO2 MEMOREV.doc



AECOM 772 286 3883 tel
3550 S.W. Corporate Parkway 772 286 3925 fax
Palm City, Florida 34990
www.aecom.com

October 6, 2011
Revised November 3, 2011

Mr. Steve Jungjohan
Project Manager
City of Port Saint Lucie
Engineering Department
121 S.W. Port St. Lucie Blvd
Port St. Lucie, FL 34984

RE: FELIX ASSOCIATES - CHANGE ORDER #02

Project: Becker Road – Segment 3
Description: Albacore St. (Sta. 350+30) to Athena Dr. (Sta. 412+89)
Contract #: 20100118 (Engineering) / 24.0012 (Utilities)
Prime Contractor: Felix Associates of Florida, Inc.

Dear Mr. Jungjohan,

The following letter is a request for your concurrence of Felix Associates' Change Order No. 2 to the Becker Road Segment 3 project as described above. Change Order No. 2 provides contract adjustments for the following items.

<u>COR #</u>	<u>Item Description</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Qty</u>	<u>Total Change</u>
009	Additional Survey & As-Builts	LS	\$3,245.00	1	\$3,245.00
010	LPFM Service Adjustments	LS	\$3,481.50	1	\$3,481.50
011	Additional Signs	LS	\$547.93	1	\$547.93
012	LPFM Deflection @ STA: 367+40	LS	\$2,216.17	1	\$2,216.17
013 R3	Quantity Overruns	LS	\$4,129.44	1	\$4,129.44
014 R2	Vinyl Sheeting Adjustment	LS	(\$8,601.93)	1	(\$8,601.93)
015 R2	Palm Tree Relocation	LS	\$775.00	1	\$775.00
016 R3	Plan Revision (Move Hydrant)	LS	\$3,314.35	1	\$3,314.35
017 R1	Alpha St. Closure – Structure Mod	LS	\$4,775.05	1	\$4,775.05
018 R1	HDD Irrigation Main Changes	LS	(\$70,490.24)	1	(\$70,490.24)
019 R1	Plan Revision (Sidewalk)	LS	\$12,409.34	1	\$12,409.34
020 R1	Milburn Driveway – East	LS	\$6,174.77	1	\$6,174.77
021 R1	Alpha St. Closure – Roadway	LS	\$4,074.53	1	\$4,074.53
022	Guiderail at Quads	LS	\$1,199.00	1	\$1,199.00
<u>Total Change Order Value</u>					(\$32,750.09)

Additional Survey & As-Builts – Additional utility items were included as part of Change Order #1, but no additional compensation was requested for the additional survey work required to lay-out the items as well as record them on the final as-built plans. The price to perform the work was negotiated with the contractor. The total cost for this change was \$3,245.00. Zero (0) additional contract days were granted with this change.

LPFM Service Adjustments - The PSLUSD requested the contractor construct new services to three (3) residences along Becker Road. The roadway crossings will also be lowered to ensure that they fall below the lower limits of the stabilized sub-grade. The total cost for this addition was \$3481.50. Zero (0) additional contract days were granted with this change.

Additional Signs – It was determined by the City and AECOM that one (1) additional dead end sign and three (3) additional dead end object marker signs shall be placed at the western terminus of Sea Lion Road at the eastern bank of Lake 8. These additions are also required by the Manual of Uniform Traffic Control Devices (MUTCD). The total cost for these additions was \$547.93. Zero (0) additional contract days were granted with this change.

LPFM Deflection @ STA: 367+40 – While installing the drainage trunk line, it became evident there was a conflict with an existing LPFM that was not noted on the construction plans. This item includes the relocation of the LPFM to avoid the conflict. A time & material proposal was submitted for this work. The total cost for this change was \$2,216.17. Zero (0) additional contract days were granted with this change.

Quantity Overruns – This item shall serve as a “true-up” to this point in the contract for items that have overrun or underrun their anticipated plan quantities. All items were billed under the existing contract unit price for that corresponding item. The total cost for overruns and underruns to date was \$4,129.44. Zero (0) additional contract days were granted with this change.

Vinyl Sheeting Adjustment – It was determined that the bid quantity for length of vinyl sheet piling and the construction plan quantity weren't the same. This resulted in an overrun of sixteen (16) linear feet. Since the contractor has already secured the full length of vinyl sheet piling and the City had no other use for it, it was agreed that the City would pay one half (1/2) the material cost and allow the contractor to keep the material. This arrangement resulted in a credit of \$8,601.93. Zero (0) additional contract days were granted with this change.

Palm Tree Relocation – While performing final grading around structure G-10A, it became apparent that two palm trees were required to be relocated. A lump sum proposal was submitted for the relocation. The total cost for this work was \$775.00. Zero (0) additional contract days were granted with this change.

Plan Revision @ STA: 363+00 (Hydrant) – Due to an inability to obtain a Temporary Construction Easement (TCE) from an adjacent landowner to allow swale regrading, it became necessary to provide an alternate design in this area. As part of the redesign, a fire hydrant was required to be relocated. A lump sum proposal was submitted for the hydrant relocation. The total cost for this addition was \$3,314.35. Zero (0) additional contract days were granted with this change.

Alpha Street Closure (Structure Modification) – At the request of neighborhood residents, access to Becker Road from the northern end of Alpha Street has been eliminated. Due to the fact that the decision to close the street occurred after the drainage work in this area was complete, cost were incurred to modify a structure. The structure as originally constructed was a manhole. Due to the closure and to facilitate drainage, the structure was changed to a curb inlet. This item covers the cost associated with this modification. The total cost for these modifications was \$4,775.05. Zero (0) additional contract days were granted with this change.

Irrigation Main Horizontal Direction Drilling Reduction – Per the construction plans, the entire length of irrigation main and associated conduit was to be installed via direction drilling. It was determined that the cost could be reduced by direct-burying 950 LF that would have no conflicts. In addition to the conversion, one (1) 2" conduit was completely eliminated from the project. Also, 747 LF of 6" IM and two (2) 2" conduits were completely eliminated. This item covers the savings associated with this modification. The total credit for these changes was \$70,490.24. Zero (0) additional contract days were granted with this change.

Plan Revision @ STA: 363+00 (Sidewalk) – Due to an inability to obtain a Temporary Construction Easement (TCE) from an adjacent landowner to allow swale regrading, it became necessary to provide an alternate design in this area. As part of the redesign, a U-turn accommodation was removed, the sidewalk was narrowed from 10' to 6' and an aluminum guiderail was added. A lump sum proposal was submitted for the associated changes. The total cost for this addition was \$12,409.34. Zero (0) additional contract days were granted with this change.

Milburn Circular Driveway (East) – At the request of the City, a driveway extension was constructed for the homeowner on the corner of Milburn Circle and Becker Road. The driveway will allow the resident to ingress/egress via Milburn Circle as opposed to backing out into traffic along Becker Road. A lump sum proposal was submitted for this addition. The total cost for this addition was \$6,174.77. Zero (0) additional contract days were granted with this change.

Alpha Street Closure (Roadway Modification) – At the request of neighborhood residents, access to Becker Road from the northern end of Alpha Street has been eliminated. Per St. Lucie County Fire District (SLCFD) standards, a turnaround shall be provided on dead-end roadways greater than 500' in length. This item covers the costs associated with constructing the turnaround as well as the necessary drainage improvements. The total cost for these modifications was \$4,074.53. Zero (0) additional contract days were granted with this change.

Guiderail at Quad Drainage Pipes – Per the construction plans, a closed flume inlet is to be constructed at STA: 384+65, adjacent the quad drainage pipes under Becker Road. The drop-off at the back of the closed flume requires the construction of an aluminum guiderail per FDOT standards. This item covers the cost associated with this addition. The total cost for this addition was \$1,199.00. Zero (0) additional contract days were granted with this change.

In summary, the above additions to the contract, along with the adjustments to the contract pay items will result in a decrease to the contract in the amount of \$32,750.09 with zero (0) additional contract days. We have reviewed these changes and recommend approval of this Change Order No. 2. We request that the City of Port St. Lucie Engineering Department review this recommendation and provide direction to this office concerning concurrence at your earliest convenience.



If you have any further questions, please contact me at (772) 214-9782. Thanks for your assistance in this matter.

Yours Sincerely,

Heath Stocton, PE
Project Engineer

