

PORT ST. LUCIE CITY COUNCIL  
AGENDA ITEM REQUEST

COUNCIL ITEM 7I  
DATE 2/13/12

Meeting Date: 2/13/2012

Public Hearing \_\_\_\_\_ Ordinance \_\_\_\_\_ Resolution \_\_\_\_\_ Motion X

Item: #20110060 CO #1, Design & CEI for E-8 Canal NRCS EWP10 repairs, add 30 weather days and additional testing hours for new area for restoration

Recommended Action:

- 1) Approve Change Order #1 to Contract #20110060 for an amount Not to Exceed of \$ 46,575.00 to Captec Engineering, Inc. and to add 30 calendar days due to heavy rain in the work area and a new section of the E-8.

Exhibits: Department memo attached yes

Copies of the Change Order

Summary Explanation/Background Information: The construction on this project has been extended due to heavy rains which delayed work and created unforeseen unsuitable soils requiring extra testing. Also an additional section of the E-8 has been added for restoration from terminus of the B-15 control structure project Schedule 7 to the bridge at Savage Blvd.  
The need for the above is:

Purchase is not a replacement

Purchase is budgeted.

Estimated Change Order Expenditure: \$46,575.00  
Department requests expenditure from the following:

Fund	401	Stormwater
Cost Center	4126	Drainage
Object Code	531000	Professional Services
Project		

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

Department requests 0 minutes to make a presentation.

Submitted by: *Patricia Roebling*

**RECEIVED**

Title: City Engineer

Date Submitted 1/19/2012 **FEB 07 2012**

**RECEIVED**

City Manager's Office

**FEB 07 2012**

City Manager's Office



"A City for All Ages"

# CITY OF PORT ST. LUCIE

Engineering Department

Accredited Agency – American Public Works Association

**To:** Cheryl Shanaberger, OMB Deputy Director

**Thru:** James E. Angstadt, P.E. JEA

**From:** Larry Nadeau, Project Manager LN

**Date:** January 27, 2012

**Re:** CAPTEC Engineering, Inc. - Contract #20110060 Change Order #1  
E-8 Canal Drainage Improvements CEI Services  
Natural Resources Conservation Service EWP Program PA 69-4209-11-1768

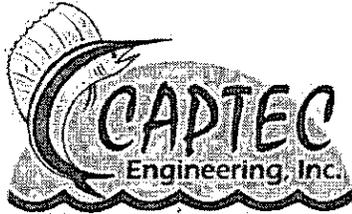
Attached please find a change order form, department memo, along with CAPTEC Engineering, Inc. documentation supporting the request of Change Order #1 in the amount of \$46,575 including 30 additional days through Contract #20110060. The engineer's request has been discussed with the Natural Resources Conservation Service (NRCS) State Conservation Engineer, Mr. Jesse Wilson. As defined in NRCS agreement PA 69-4209-11-1768, expenses for professional technical services required to satisfactorily complete the E-8 Canal Drainage Improvements are fully reimbursable.

The Engineering Department recommends approval of Change Order #1 as presented in the attached documents and request authorization by the City Council for the City Manager to execute the necessary change order as referenced above and further described in the attached documents. Please schedule for presentation at the next available City Council meeting for their review and consideration. Three (3) original signed change order forms will be forwarded to your office once they have been signed by the contractor and engineer. If you have any questions or require additional information, please do not hesitate to contact me.

/ln

Attachments

cc: Jesus Merejo – Utility Systems Director  
Patricia Roebing, P.E. – City Engineer  
Kimberly Graham, P.E. – Assistant City Engineer  
Dave Pollard – OMB Director  
Susan Walsh, Manager-Operations



Civil Engineering Professionals

January 27, 2012  
801.5.4

Mr. Larry Nadeau  
City of Port St. Lucie  
900 SE Ogden Lane  
Port St. Lucie, Florida 34984  
(772) 871-5100  
Fax: (772) 871-7397

*Via Fax & US Mail*

**RE: City of Port St. Lucie –  
Contract No. 20110060 – E-8 Waterway NRCS EWP Repairs  
PO # 20112550-00  
Request for Change Order No. 1 - Revised**

Dear Larry:

As you are aware, CAPTEC's Contract Time on the above referenced Contract began on May 19, 2011 and is set to expire on February 27, 2012. The original Construction Inspection Services budget of \$95,000.00 was based on providing up to 30 hours per week inspection on the projects beginning on July 25, 2011. CAPTEC has been able to provide adequate coverage of the multiple projects within the budget constraints of the Contract however at this time we have reached the end of the available budget. We therefore submit our request for additional time and funding to satisfactorily assist the City of Port St. Lucie with the conclusion of the ongoing Natural Resources Conservation Service (NRCS) sponsored E-8 Canal improvements.

To overview, during the period of work there have been significant delays caused by soil conditions and weather events. NRCS has accommodated these delays and extra work by granting the necessary time extensions of up to 120 days. Certain project modifications have necessitated additional work adding to additional design and inspection services. To date, NRCS has been extremely pleased with the storm recovery work and the overall final project outcomes of the E-8 Canal improvements.

Highlighting the contractor's progress, they have substantially completed seven (7) of the original eight (8) projects. They include; Kensington Street complete roadway twin 60" culvert and headwall replacement, E-48 Canal slope repairs, B-15 canal cleaning up to Webster, Port St. Lucie Boulevard detention pond upgrades, Import Drive drainage upgrades, B-12 water control structure improvements, and B-24 water control structure improvements. Currently, Logwood Road drainage improvements are underway and scheduled to be completed by January 27, 2012. More recently, NRCS approved additional canal cleaning at the B-15 water control structure up to Savage Boulevard. This additional section of work is scheduled to take approximately 4 weeks which will complete the project. It is expected that the contractor will have all remaining work complete by current Contract Completion date of March 1, 2012.

Mr. Larry Nadeau  
January 27, 2012  
Page Two

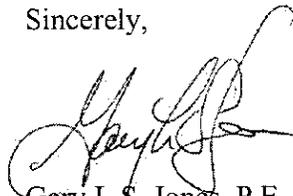
To provide the continued level of inspection services and final certification at completion of the project, CAPTEC will require an increase of \$36,575.00. Additionally, at the request of the City, we subcontracted on an as needed basis with Ardaman and Associates to provide testing services for the construction projects. Our initial estimate with Ardaman has been exhausted and they have estimated another \$10,000.00 will be needed to provide testing on the remaining projects. This would bring the total additional funds required to \$46,575.00.

CAPTEC has attached a Change Order will extend CAPTEC's Contract Time to March 28, 2012 and provides for additional funding to provide Construction Inspection Services necessary to provide our current level of service through Contractor's Contract Completion date of March 1, 2012.

The increase amount of this Change Order is \$46,575.00 bringing the total Contract Amount to \$208,585.00.

Should you have any questions, or require any additional information, please feel free to contact me at your earliest convenience.

Sincerely,



Gary L.S. Jones, P.E.  
Director of Construction

CC: File

## Engineer Change Order Form

Project: Design and CEI for E-8 Canal NRCS EWP Project  
P.O. #20112550

Change Order # 1

Date of Issuance: 05/19/12

Date:

Engineer: CAPTEC Engineering, Inc.

Contract Number: 20110060

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The following changes are hereby made to the Contract Documents:

<b>CHANGE IN CONTRACT PRICE:</b>	<b>CHANGE IN CONTRACT TIMES:</b>
Original Contract Price: \$162,010.00	Original Contract Calendar Days: 280 days
Net Changes from previous Change Orders \$0.00	Net change from previous Change Orders 0 Days
Contract Price prior to this change Order \$162,010.00	Calendar days prior to this Change Order to 280 Days
Net increase of this Change Order \$46,575.00	Net increase of this Change Order 30 Days
Contract Price with all approved Change Orders \$208,585.00	Contract calendar days with all approved Change Orders 310 Days

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### CHANGES ORDERED:

- I. GENERAL: This change order is necessary to cover ongoing work to be performed under this contract.

II. REQUIRED CHANGES:

Increase the period of performance by 30-day to March 28, 2012.  
Increase PO 20112550 Task #1 by \$10,000 to cover construction material testing.  
Increase PO 20112550 Task #2 by \$36,575 to cover inspection monitoring services

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III. JUSTIFICATION:

The original contract provided funding for Design, Construction Inspection Services and final Certification from 05/19/11 through 02/27/12. Additional services are necessary to complete the E-8 Canal improvements. Services include extra design, inspection, and testing of the culvert replacement required at Kensington; design modifications at the B-48 canal, B-12 water control structure, Import Drive, additional canal cleaning at Savage Blvd., and Port St. Lucie Blvd. water control basin. Significant rain events caused a need to rework of ongoing improvements and required additional inspections. NRCS has approved additional time extensions and In Kind Technical Services expenses. NRCS has issued an amendment to increase the reimbursement percentage for In-Kind Technical Services to cover the additional expenses. Agreement with NRCS for the E-8 Canal Repairs has been extended 120 days because of rain events delaying construction progress and causing damages to ongoing work. The extra 30-days meets the extension granted by NRCS and allows sufficient time to do a project closeout.

IV. PAYMENT:

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V. APPROVAL AND CHANGE AUTHORIZATION:

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Acknowledgements:

The aforementioned change and work affected thereby is subject to all provisions of the original contract not specifically changed by this Change Order; and,

It is expressly understood and agreed that the approval of the Change Order shall have no effect on the original contract other than matters expressly provided herein.

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Change Order requested by:

Change(s) ordered by:

Accepted by:

Approved by:

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(Engineer)

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**Port Saint Lucie**  
(Owner)

By:

By:

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Authorized Signature

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(Authorized Signature)

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Joseph W. Capra, PE, President

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(Date)

Sworn to & Subscribed before me this  
day of January 2012 by Joseph W. Capra  
who did not take an oath.

Personally known  X

State of FLORIDA

County of MARTIN

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Cathi Moody, Notary Public

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**Change Order No. 1**

Contract No.: 20110060  
PO # 20112550

**COMPENSATION**

This is a time and expense contract with an amount "Not to Exceed" of \$46,575.00. Services will be billed based on actual time expended and allowable compensation. Reimbursable expenses are a "Not to Exceed" expense and will be paid as per actual cost.

**Task 1 – Increase Coordination & Engineering Design ..... \$ 10,000.00**

Title	Rate	Est. Hours.....	Amount
Construction Dir	\$130	0.....	\$ 0.00
PE/PM	\$120	0.....	\$ 0.00
E.I.	\$ 95	0.....	\$ 0.00
Proj Coord	\$ 55	0.....	\$ 0.00
Reimbursable Not to Exceed*			\$ 10,000.00
Total Task I			\$ 10,000.00

**Task 2 – Increase Construction Engineering & Inspection Services ..... \$ 36,575.00**

The upset fee estimate is based on providing one (1) field representative for up to 30 hours per week to monitor the work being performed.

Title	Rate	Est. Hours.....	Amount
Construction Dir	\$130	0.....	\$ 0.00
PE/PM	\$120	0.....	\$ 0.00
E.I.	\$ 95	0.....	\$ 0.00
Construction PM	\$110	310.....	\$ 34,100.00
Proj Coord	\$ 55	45.....	\$ 2,475.00
Reimbursable Not to Exceed*			\$ 0.00
Total Task II			\$ 36,575.00

**PROJECT TOTAL..... \$ 46,575.00 \***

\*Reimbursable expenses are a not to exceed expense and will be paid as per actual cost.

Invoices for services shall be submitted by the 10th of the month, and payments shall be made net thirty (30) days unless Engineer has chosen to take advantage of the Purchasing Card Program, which guarantees payment within several days. Payments shall be made provided the submitted invoice is accompanied by adequate supporting documentation and is approved by Contract Supervisor.

All work compensated for under this Contract, including partial payments, shall become the property of the City of Port St. Lucie without restrictions or limitations. Work under this

Contract shall include but not be limited to sketches, tracings, drawings, computations, details, design calculations, plans, electronic files and other related documents. The Engineer shall not be held liable for any reuse of the work and shall not be held liable for any modifications made to the work by others.

All invoices and correspondence relative to this Contract must contain the Purchase Order number and Contract number.