

PORT ST. LUCIE CITY COUNCIL  
AGENDA ITEM REQUEST

COUNCIL ITEM 7H  
DATE 2/13/12

Meeting Date: February 13, 2012

Public Hearing  Ordinance  Resolution  Motion

Item: #20110012 Change Order #1, CEI for PSL Pedestrian Lighting, relocation of utilities

Recommended Action:

- 1) Approve Change Order #1 for CEI for PSL Pedestrian Lighting with Culpepper & Terpening Inc., for \$40,400.00 and 202 additional days for relocation and adjustment of electric utilities.

Exhibits: Department memo attached [ x ] yes [ ] no  
Copies of the Change Order.

Summary Explanation/Background Information: The increase in contract amount and time is needed to allow the CEI contract to run concurrent with the construction contract and for the coordination efforts with the Florida Department of Transportation and Florida Power and light for the relocation and adjustment of electric utilities of the installation of the pedestrian lights.

Purchase is not a replacement

Purchase is budgeted.

Expenditure for this Change Order #1 \$40,400.00

Department requests expenditure from the following:

Fund	304	Road & Bridge CIP
Cost Center	4121	Traffic Division
Object Code	568813	Capital improvement
Project	Y1101	PSL Blvd Pedestrian Lighting

Director of OMB concurs with award: *CR*

City Manager concurs with award: *JAB*

Department requests 8 minutes to make a presentation.

Submitted by: *Patricia Roebeling*

Title: City Engineer

Date Submitted 1/31/2012

**RECEIVED**

FEB 07 2012

City Manager's Office

**RECEIVED**

FEB 07 2012

City Manager's Office



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**CITY OF PORT ST. LUCIE**  
**ENGINEERING DEPARTMENT**  
*Accredited Agency – American Public Works Association*

**MEMORANDUM**

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

From: Dennis Madebach – Project Manager 

Thru: Roxanne M. Chesser, P.E. - Civil Engineer 

Date: January 25, 2012

RE: Port St. Lucie Boulevard Pedestrian Lighting  
Construction Engineering Inspection (CEI) Services  
Culpepper & Terpening, Inc.  
Contract No. 20110012 Change Order No. 1

Attached, please find the request for Change Order No. 1 along with the backup information from Culpepper & Terpening, Inc. (C&T) for professional construction engineering inspection services for the Port St Lucie Boulevard Pedestrian Lighting Project. 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.

There are two reasons for this Change Order.

- The first is that the CEI contract was anticipated to start about three weeks after the construction contract to allow time for the contractor to order supplies and have them delivered to the site. However, the contractor elected to start construction on day one and this required the CEI services to start earlier requiring an additional seventeen (17) days for the CEI contract.
- The second reason is that during construction of the project twenty-four of the ninety-three pedestrian lights did not meet the minimum clearance requirement with the aerial Florida Power and Light (FPL) line. C&T has and is working to coordinate with both the Florida Department of Transportation (FDOT) and FPL to relocate the utility so that installation of the pedestrian lights can be completed. The result of this effort is that FPL has agreed to relocate the lines and complete the work by early February. This coordination effort has taken about four months (120 days) and we are requesting an additional sixty five (65) days to allow completion of the work by FPL and close out of the project.

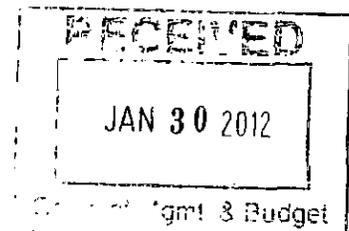
This Change Order increases the contract price by \$40,400.00 and increase the contract time by two hundred and two (202) days to allow the coordination and resolution of the unforeseen electric utility conflicts and the completion of the remaining twenty-four lights.

The account number associated with this Change Order is 304-4121-568813-Y1101. Please schedule this for presentation at the next available City Council meeting. If additional documentation is needed or if you have any questions, please let me know.

RC/dm  
Enclosures

c: Jesus Merejo, Utility Systems Director  
Patricia Roebing, P.E., City Engineer  
Dave Pollard, Director of OMB  
Kimberly Graham, P.E., Assistant City Engineer  
Susan Walsh, Budget Specialist

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# Engineer Change Order Form

**Project:** Port St. Lucie Boulevard Pedestrian Lighting  
Construction Engineering Inspection (CEI) Services

**Change Order # 1**

**Date of Original Contract Issuance:** June 1, 2011

**Date:** January 25, 2012

**Engineer:** Culpepper & Terpening, Inc (C&T)

**Contract Number:** 20110012

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 \$ 167,690.00	Original Contract Calendar Days: 133 Days (10/12/2011)
Net Changes From Previous Change Orders No. \$ 0.00	Net Change From Previous Change Orders No. 0 Days
Contract Price Prior To This Change Order \$ 167,690.00	Calendar Days Prior To This Change Order To 133 Days (10/12/2011)
Net Increase Of This Change Order \$ 40,400.00	Net Increase Of This Change Order 202 Days (5/1/2012)
Contract Price With All Approved Change Orders \$ 208,090.00	Contract Calendar Days With All Approved Change Orders 335 Days

## CHANGES ORDERED:

- I. **GENERAL:** This change order is necessary to cover changes in the work to be performed under this contract.
- II. **REQUIRED CHANGES:** Increases the contract amount by \$40,400.00. Extends the contract time by 202 days.
- III. **JUSTIFICATION:** The increase in contract amount and time is needed to allow the CEI contract to run concurrent with the construction contract and for the coordination efforts with the Florida Department of Transportation and Florida Power and Light for the relocation and adjustment of electric utilities so that the installation of the pedestrian lights can be completed.
- IV. **PAYMENT:** The account number associated with this Change Order is 304-4121-568813-Y1101.
- V. **APPROVAL AND CHANGE AUTHORIZATION:** These changes have been reviewed by the Engineering Department. The Engineering Department is respectfully requesting City Council approval of this Change Order.

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: City of Port St. Lucie Engineering Department

Change(s) ordered by: City of Port St. Lucie

Accepted by:

**Culpepper & Terpening, Inc.**

(Engineer)

Approved by:

**City of Port St. Lucie**

(Owner)

By: James P Terpening, P.E.

By: Jerry Bentrott – City Manager

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
(Authorized Signature)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Date)



CULPEPPER & TERPENING, INC  
CONSULTING ENGINEERS | LAND SURVEYORS

RECEIVED

JAN 26 2012

ENGINEERING

Sender's Email: mdimitriou@ct-eng.com

Project 10-235

January 25, 2012

**VIA: HAND DELIVERY**

Mr. Dennis Madebach  
Project Manager  
City of Port St. Lucie Engineering  
121 SW Port St. Lucie Boulevard  
Port St. Lucie, FL 34984

**RE: Port St. Lucie Boulevard Pedestrian Lighting  
Construction, Engineering & Inspection (CEI) Change Order No. 1 Request**

Dear Mr. Madebach,

On June 1<sup>st</sup>, 2011, the City of Port St. Lucie authorized C&T to provide professional construction engineering inspection services (CEI) with the Port St Lucie Boulevard Pedestrian Lighting Project. The original contract price was \$167,690.00 and the original consultant contract time was 133 days. The original construction contract time was 150 days. The original discrepancy between the construction contract and the CEI contract times was to allow an anticipated three week period for the contractor to have the materials ordered and delivered to the site. The contractor opted to start field work on day one rather than after the delivery of the materials. This required the CEI services to start on day one of the construction contract. Because of this, the CEI services contract was short by 17 days.

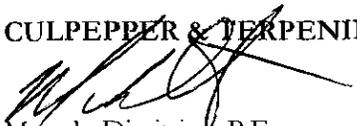
During construction of the project, we were notified that the field conditions did not provide the minimum clearance requirements between an existing overhead FPL utility and the pedestrian lights. For this reason, twenty-four of the ninety-three pedestrian lights could not be installed. It has taken several months to complete the coordination with FDOT and for FPL to acknowledge that the utility is in conflict and agree to schedule the relocation of the utility. This coordination effort took about four months. FPL has agreed to relocate the utility by early February.

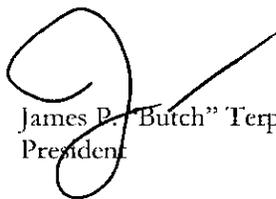
As a result of the original discrepancy in the contract and the additional coordination efforts with FDOT and FPL, we are requesting your approval of Change Order No. 1 which increases the contract price by \$40,400.00 and increases the contract time by 202 days.

Attached, for your use is a summary of our estimated time and costs to complete this project. Additional supporting documentation for the spreadsheet is available upon request.

Sincerely,

**CULPEPPER & TERPENING, INC.**

  
Marcelo Dimitriou, P.E.  
CEI Director

  
James P. "Butch" Terpening, Jr.  
President

cc: Roxanne Chesser, P.E. - PSL Engineering

PSL Boulevard Lighting

Estimated Additional Effort Due to Contract Time Discrepancy and FPL Conflict Issue

Estimated Utility Coordination Effort			
Title	Estimated Hours	Rate	Estimated Total
P.E.	40	\$175.00	\$7,000.00
Sr. Inspector	28	\$90.00	\$2,520.00
Inspector	12	\$75.00	\$900.00
Admin.	3	\$40.00	\$120.00
Subconsultant	57	\$140.00	\$7,980.00
Total			\$18,520.00

Estimated Additional time Due to Discrepancy Between CEI Contract Time of 133 Days and Construction Contract Time of 150 Days			
Title	Estimated Hours	Rate	Estimated Total
P.E.	38	\$175.00	\$6,650.00
Sr. Inspector	115	\$90.00	\$10,350.00
Admin.	38	\$40.00	\$1,520.00
Subconsultant	24	\$140.00	\$3,360.00
Total			\$21,880.00

Estimated Combined Total = \$40,400.00



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**CITY OF PORT ST. LUCIE**  
**ENGINEERING DEPARTMENT**  
*Accredited Agency – American Public Works Association*

**MEMORANDUM**

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

From: Dennis Madebach – Project Manager *DM*

Thru: Roxanne M. Chesser, P.E. - Civil Engineer *RMC*

Date: January 25, 2012

RE: Port St. Lucie Boulevard Pedestrian Lighting  
Construction Services  
Signal Group, Inc.  
Contract No. 20110011 Change Order No. 1

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Attached, please find the request for Change Order No. 1 to the construction contract with Signal Group along with the backup information from Culpepper & Terpening, Inc. (C&T) for the Port St Lucie Boulevard Pedestrian Lighting Project. 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.

The construction of this project has been delayed by 162 days due to unresolved utility conflicts and 10 days due to weather and holidays.

This Change Order increases the contract time by one hundred seventy two (172) days to allow for the completion of the project.

The account number associated with this Change Order is 304-4121-568810-Y1101. Please schedule this for presentation at the next available City Council meeting. If additional documentation is needed or if you have any questions, please let me know.

RC/dm

Enclosures

c: Jesus Merejo, Utility Systems Director  
Patricia Roebing, P.E., City Engineer  
Dave Pollard, Director of OMB  
Kimberly Graham, P.E., Assistant City Engineer  
Susan Walsh, Budget Specialist

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**CHANGE ORDER**

(Instructions on reverse side)

No.: Change Order # 1

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>20110011</u>
CONTRACTOR:	Signal Group Inc 23 Eganfuskee St, #128 Jupiter, FL 33477	ENGINEER: Culpepper & Terpening, Inc.	
		ENGINEER's Project #	<u>10-235</u>
CONTRACT FOR:	PSL Boulevard Pedestrian Lighting		

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

Description: City of Port St. Lucie Contract No. 20110011

Purpose of Change Order:

1. Add 10 calendar days for weather and holiday days
2. Add 162 calendar days for FPL relocation delays
3. 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>475,548.25</u>	Original Contract Time <u>150</u> days or date
Previous Change Orders No. 0 through 1 \$ <u>-</u>	Net change from previous Change Orders <u>0</u> days
Contract Price prior to this Change Order \$ <u>475,548.25</u>	Contract Time prior to this Change Order <u>150</u> days or date
Net Increase (Decrease) of this Change Order <u></u>	Net Increase (Decrease) of this Change Order <u>172</u> days
Contract Price with all approved Change Orders \$ <u>475,548.25</u>	Contract Time with all approved Change Orders <u>322</u> days or date

RECOMMENDED:

APPROVED:

APPROVED:

By \_\_\_\_\_

by \_\_\_\_\_

by \_\_\_\_\_



CULPEPPER & TERPENING, INC  
CONSULTING ENGINEERS LAND SURVEYORS

January 30, 2012

Sender's Email: [mdimitriou@ct-cng.com](mailto:mdimitriou@ct-cng.com)  
Project 10-235

VIA: Email [dmadebach@cityofpsl.com](mailto:dmadebach@cityofpsl.com)  
*Original via Hand Delivery*

Mr. Dennis Madebach  
Engineering Department  
City of Port St. Lucie  
121 SW Port St. Lucie Boulevard  
Port St. Lucie, FL 34984

RE: **PSL Boulevard Pedestrian Lighting  
Contract 2011 / Change Order #1**

Dear Mr. Madebach:

Please see the attached change order for the above referenced project. This change order adds 10 additional days for weather/holidays and 162 days for FPL delays due to overhead wire conflicts.

This change order package is presented with the recommendation for processing.

Sincerely,

**CULPEPPER & TERPENING, INC.**

Marcelo Dimitriou, P.E.  
Construction Services Director

MED

cc: Roxanne Chesser, P.E., CPSL Eng

Attachment

City of Port St. Lucie				Change Order 1
Contract No. 20110011				
City of Port St. Lucie				
121 SW Port St. Lucie Boulevard				
Port St. Lucie, Florida 34984				
Signal Group Inc			Contract No. 20110011	
23 Eganfuskee St, #128				
Jupiter, FL 33477			Culpepper & Terpening, Inc.	
PSL Boulevard Pedestrian Lighting				10-235
<b>SUMMARY</b>				
1. Additional Items				
2. Add 10 calendar days for weather and holiday days				
3. Add 162 calendar days for FPL relocation delays				
4. All other Contract provisions and addenda remain in full effect				