



**SECTION 00843
CHANGE ORDER**

(Instructions on 00843-2)

No.

4

PROJECT: Bulldog Drive Improvements

DATE OF ISSUANCE 12/17/2013

EFFECTIVE DATE

12/17/2013

CITY OF PALM COAST

CITY Contract/Purchase Order No.: 20110463

CONTRACTOR N/A

ENGINEER/ARCHITECT

Stantec

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

Description: Additional Fee to provide Construction Engineering & Inspection Services for a Not-To-Exceed amount of \$263,630.08.

Reason for Change Order: City requested scope of work change to provide services during construction to supplement existing construction administration services. CEI services will include construction oversight and will include but not limited to full time inspector on site during construction and management of contractor submittals such as shop drawings, requests for information, and test reports.

Attachments: Construction Services Fee Estimate

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:-
Original Contract Price \$348,000.00	Original Contract Times Substantial Completion: _____ N/A Ready for Final Payment: _____ N/A (days or dates)
Net Change from previous Change Orders No. <u>0</u> to No. <u>3</u> \$233,696.89	Net change from previous Change Orders No. _____ to No. _____ (days)
Contract Price prior to this Change Order \$581,696.89	Contract Times Prior to this Change Order Substantial Completion: _____ Ready for Final Payment: _____ (days or dates)
Net Increase (decrease) of this Change Order \$263,630.08	Net Increase (decrease) of this Change Order (days)
Contract Price with all approved Change Orders \$845,326.97	Contract Times with all approved Change Orders Substantial Completion: _____ Ready for Final Payment: _____ (days or dates)

RECOMMENDED:

APPROVED:

ACCEPTED:-

By: _____
Engineer/Architect (Authorized Signature)

By: _____
City (Authorized Signature)

By: N/A _____
Contractor (Authorized Signature)

Date: _____

Date: _____

Date: _____

Project: **Bulldog Drive CEI - DRAFT FORM FOR SCOPE REVIEW**

Full-Time

CEI Services

Construction Phase Services

Project duration: 8 months

Total = \$ 263,630.08

Use ~ \$ 263,600.00

Rates: Billing Rate Table: **2**

<u>Description</u>	<u>Level</u>	<u>Rate</u>	<u>Hours</u>	<u>Personnel</u>
ML	16	\$ 196.00 /hour	19	Frank Domingo
PE	15	\$ 168.00 /hour	134	Mike Yeager
PM/PA	12	\$ 142.00 /hour	518	Ferdie Barnard
FT2	7	\$ 98.00 /hour	1388	CEI Team
AM3	4	\$ 76.00 /hour	282	Terry Picard
CT2	7	\$ 98.00 /hour	64	(N/A)
Crew 3	Custom 1	\$ - /hour	0	(N/A)

Summary

2.1	Management Engineering Services	\$ 127,841.28
2.1.1.	<u>Meetings</u>	\$ 15,052.00
2.1.1.a.	Pre-construction Conference	\$ 1,644.00
2.1.1.b.	Progress meetings	\$ 13,408.00
2.1.2.	<u>Records and Monitoring</u>	\$ 59,362.72
2.1.2.a.	Maintain records of submittals	\$ 10,184.16
2.1.2.b.	Assist with monitoring the project	\$ 34,155.04
2.1.2.c.	Review lab test reports	\$ 7,551.52
2.1.2.d.	Record Drawings	\$ 2,944.00
2.1.2.e.	Certifications & Closeout	\$ 4,528.00
2.1.2.f.	Field reviews of Maintenance of Traffic (MOT)	\$ -
2.1.3.	<u>Plans and Construction Assistance</u>	\$ 38,323.52
2.1.3.a.	Assist with interpretation of plans	\$ 12,747.52
2.1.3.b.	Assist with analyzing changes	\$ 16,384.00
2.1.3.c.	Engineer site visits	\$ 4,960.00
2.1.3.d.	Utility Coordination	\$ 2,272.00
2.1.3.e.	Walkthrough and punch list	\$ 1,960.00
2.1.4.	<u>Submittals</u>	\$ 15,103.04
2.1.4.a.	Shop drawing review	\$ -
2.1.4.b.	Maintain status and logs of submittals	\$ 15,103.04
2.2	Periodic/Full Time On-site Inspection	\$ 135,788.80
2.3	Survey Control (Contingency)	\$ -
2.4	Subconsultant Services	\$ -

Project: **Bulldog Drive CEI - DRAFT FORM FOR SCOPE REVIEW** **Full-Time** **CEI Services**
Construction Phase Services
 Project duration: 8 months **Total = \$ 263,630.08**
 Use ~ \$ 263,600.00

2.1 Management Engineering Services

2.1.1.a. Pre-construction Conference

		hrs		
ML	\$ 196.00	2	\$	392.00
PE	\$ 168.00	2	\$	336.00
PM/PA	\$ 142.00	4	\$	568.00
FT2	\$ 98.00	2	\$	196.00
AM3	\$ 76.00	2	\$	152.00
CT2	\$ 98.00	0	\$	-
Cost/project				\$ 1,644.00

Notes: *Attend meeting, invitations, agenda, minutes, distribution list*

2.1.1.b. Progress meetings

		hrs/mtg	hrs/month	months		
ML	\$ 196.00	0	0	8	\$	-
PE	\$ 168.00	2	4	8	\$	5,376.00
PM/PA	\$ 142.00	3	6	8	\$	6,816.00
FT2	\$ 98.00	0	0	8	\$	-
AM3	\$ 76.00	1	2	8	\$	1,216.00
CT2	\$ 98.00	0	0	8	\$	-
Other Meetings (Public, Utility Coordination etc.)					\$	-
Cost/project						\$ 13,408.00

Notes: *Includes agenda, invitations, meeting, minutes*
Bi-weekly Meetings

2.1.2.a. Maintain records of submittals

		hrs/week	weeks		
ML	\$ 196.00	0	35	\$	-
PE	\$ 168.00	0	35	\$	-
PM/PA	\$ 142.00	1	35	\$	4,918.88
FT2	\$ 98.00	0	35	\$	-
AM3	\$ 76.00	2	35	\$	5,265.28
CT2	\$ 98.00	0	35	\$	-
Cost/project					\$ 10,184.16

Notes:

Project: **Bulldog Drive CEI - DRAFT FORM FOR SCOPE REVIEW**

Full-Time

CEI Services

Construction Phase Services

Project duration: **8 months**

Total = \$ 263,630.08

Use ~ \$ 263,600.00

2.1.2.b. Assist with monitoring the project

		hrs/week	weeks		
ML	\$ 196.00	0.5	35	\$	3,394.72
PE	\$ 168.00	1	35	\$	5,819.52
PM/PA	\$ 142.00	4	35	\$	19,675.52
FT2	\$ 98.00	0	35	\$	-
AM3	\$ 76.00	2	35	\$	5,265.28
CT2	\$ 98.00	0	35	\$	-
Cost/project					\$ 34,155.04

Notes: *Review schedule, quantities*
Includes review of payment applications.

2.1.2.c. Review lab test reports

		hrs/week	weeks		
ML	\$ 196.00	0	35	\$	-
PE	\$ 168.00	0	35	\$	-
PM/PA	\$ 142.00	1	35	\$	4,918.88
FT2	\$ 98.00	0	35	\$	-
AM3	\$ 76.00	1	35	\$	2,632.64
CT2	\$ 98.00	0	35	\$	-
Cost/project					\$ 7,551.52

Notes:

2.1.2.d. Record Drawings

		hrs		
ML	\$ 196.00	0	\$	-
PE	\$ 168.00	4	\$	672.00
PM/PA	\$ 142.00	16	\$	2,272.00
FT2	\$ 98.00	0	\$	-
AM3	\$ 76.00	0	\$	-
CT2	\$ 98.00	0	\$	-
Cost/project				\$ 2,944.00

Notes: *Weekly review of updates by Contractor. Review of final documents.*

Project: **Bulldog Drive CEI - DRAFT FORM FOR SCOPE REVIEW**

Full-Time

CEI Services

Construction Phase Services

Project duration: 8 months

Total = \$ 263,630.08

Use ~ \$ 263,600.00

2.1.2.e. Certifications & Closeout

		hrs		
ML	\$ 196.00	0	\$	-
PE	\$ 168.00	8	\$	1,344.00
PM/PA	\$ 142.00	16	\$	2,272.00
FT2	\$ 98.00	0	\$	-
AM3	\$ 76.00	12	\$	912.00
CT2	\$ 98.00	0	\$	-
Cost/project				\$ 4,528.00

Notes: *Prepare submittal packages, transmit, coordinate with Design Engineer.
Project closeout documentation.*

2.1.2.f. Field reviews of Maintenance of Traffic (MOT)

		hrs/week	weeks		
ML	\$ 196.00	0	35	\$	-
PE	\$ 168.00	0	35	\$	-
PM/PA	\$ 142.00	0	35	\$	-
FT2	\$ 98.00	0	35	\$	-
AM3	\$ 76.00	0	35	\$	-
CT2	\$ 98.00	0	35	\$	-
Cost/project				\$	-

Notes: *Included in Inspection and Maintaining records*

2.1.3.a. Assist with interpretation of plans

		hrs/week	weeks		
ML	\$ 196.00	0	35	\$	-
PE	\$ 168.00	0.5	35	\$	2,909.76
PM/PA	\$ 142.00	2	35	\$	9,837.76
FT2	\$ 98.00	0	35	\$	-
AM3	\$ 76.00	0	35	\$	-
CT2	\$ 98.00	0	35	\$	-
Sub-consultants				\$	-
Cost/project				\$	12,747.52

Notes: *Includes coordination with sub-consultants where applicable.
Includes coordination of RFIs between Contractor and Design Engineer.*

Project: **Bulldog Drive CEI - DRAFT FORM FOR SCOPE REVIEW**

Full-Time

CEI Services

Construction Phase Services

Project duration: **8** months

Total = \$ 263,630.08

Use ~ \$ 263,600.00

2.1.3.b. Assist with analyzing changes

		hrs/change	changes		
ML	\$ 196.00	0	8	\$	-
PE	\$ 168.00	2	8	\$	2,688.00
PM/PA	\$ 142.00	6	8	\$	6,816.00
FT2	\$ 98.00	0	8	\$	-
AM3	\$ 76.00	1	8	\$	608.00
CT2	\$ 98.00	8	8	\$	6,272.00

Cost/project **\$ 16,384.00**

Notes: *Assume approximately 8 changes per project.*
Includes preparation/review of change orders.

2.1.3.c. Engineer site visits

		hrs/month	Months		
ML	\$ 196.00	0	8	\$	-
PE	\$ 168.00	2	8	\$	2,688.00
PM/PA	\$ 142.00	2	8	\$	2,272.00
FT2	\$ 98.00	0	8	\$	-
AM3	\$ 76.00	0	8	\$	-
CT2	\$ 98.00	0	8	\$	-

Cost/project **\$ 4,960.00**

Notes: *Site visits, coordination with contractor, subconsultants etc.*
Review progress and quantities.

2.1.3.d. Utility Coordination

		hrs/month	Months		
ML	\$ 196.00	0	8	\$	-
PE	\$ 168.00	0	8	\$	-
PM/PA	\$ 142.00	2	8	\$	2,272.00
FT2	\$ 98.00	0	8	\$	-
AM3	\$ 76.00	0	8	\$	-
CT2	\$ 98.00	0	8	\$	-

Cost/project **\$ 2,272.00**

Notes: *Site visits, coordination with utility companies, contractor etc.*

Project: **Bulldog Drive CEI - DRAFT FORM FOR SCOPE REVIEW** **Full-Time** **CEI Services**
Construction Phase Services
 Project duration: 8 months **Total = \$ 263,630.08**
 Use ~ \$ 263,600.00

2.1.3.e. Walkthrough and punch list

		hrs		
ML	\$ 196.00	0	\$	-
PE	\$ 168.00	4	\$	672.00
PM/PA	\$ 142.00	8	\$	1,136.00
FT2	\$ 98.00	0	\$	-
AM3	\$ 76.00	2	\$	152.00
CT2	\$ 98.00	0	\$	-
Cost/project				\$ 1,960.00

Notes: *Time includes 2 rounds of walkthrough and punch lists - initial and final.*

2.1.4.a. Shop drawing review

		hrs		
ML	\$ 196.00	0	\$	-
PE	\$ 168.00	0	\$	-
PM/PA	\$ 142.00	0	\$	-
FT2	\$ 98.00	0	\$	-
AM3	\$ 76.00	0	\$	-
CT2	\$ 98.00	0	\$	-
Sub-consultants			\$	-
Cost/project				\$ -

Notes: *Review by Design Engineer. CEI will maintain status and log of submittals.*

2.1.4.b. Maintain status and logs of submittals

		hrs/week	weeks		
ML	\$ 196.00	0	35	\$	-
PE	\$ 168.00	0	35	\$	-
PM/PA	\$ 142.00	2	35	\$	9,837.76
FT2	\$ 98.00	0	35	\$	-
AM3	\$ 76.00	2	35	\$	5,265.28
CT2	\$ 98.00	0	35	\$	-
Cost/project				\$ 15,103.04	

Notes: *Review progress schedules, log payments, change orders, rain days, SWPPP, Includes shop drawing review. Includes Primavera upload.*

Project: **Bulldog Drive CEI - DRAFT FORM FOR SCOPE REVIEW**

Full-Time

CEI Services

Construction Phase Services

Project duration: 8 months

Total = \$ 263,630.08

Use ~ \$ 263,600.00

2.2 Periodic/Full Time On-site Inspection

FT2	\$ 98.00	hrs/week	\$/week	weeks
		40	\$ 3,920.00	35

1386 hours total

Cost/project \$ 135,788.80

Notes: *Full time CEI, 1 representative.*

2.3 Survey Control (Contingency)

Crew 3	\$ -	hrs
		0

Cost/project \$ -

Notes: _____

2.4 Subconsultant Services

Geotech	\$ -
Public Relations	\$ -
	\$ -
	\$ -

\$ -

Total Construction Phase Services \$ 263,630.08