

EXECUTIVE SUMMARY

Recommendation to approve a Work Order with CB&I Coastal Planning & Engineering, Inc. to provide professional engineering Peer Reviews Contract No. 13-6164-CZ for a Time and Material amount not to exceed \$21,916 (Project No. 80165); authorize necessary budget amendment; authorize the County Manager or his designee to execute the work order and make a finding that this item promotes tourism.

OBJECTIVE: To perform two (2) peer reviews for Collier County's Coastal Zone Management department for Wiggins Pass monitoring and Historical Beach Data review.

CONSIDERATIONS: CB&I services are being obtained to perform two (2) peer reviews; Wiggins Pass monitoring and Historical Beach Data report review 2003 to 2014. The 2014 Wiggins Pass Monitoring Report will be utilized by the Florida Department of Environmental Protection (FDEP) to set future sand bypassing quantities and locations for Wiggins Pass. The Historical Beach Report is a multi-year report outlining condition and results of previous beach renourishment and bypassing activities.

FISCAL IMPACT: Funding for the proposed work order is not presently included in the budget. However, sufficient funding is available in Tourist Development Tax Fund (195) reserves. A budget amendment will be necessary to move funds, in the amount of \$21,916, from reserves into Project 80165. Funding for this project will not be requested for reimbursement from any grantor agency.

GROWTH MANAGEMENT IMPACT: There is no impact to the Growth Management Plan related to this action.

ADVISORY COMMITTEE RECOMMENDATIONS: At the September 11, 2014 Coastal Advisory Committee (CAC) meeting this item was unanimously approved for approval by a 7 to 0 vote.

This item will be presented to the Tourist Development Council (TDC) on September 29, 2014.

LEGAL CONSIDERATIONS: This item has been approved as to form and legality and requires majority vote for approval. – CMG

RECOMMENDATION: Recommendation to approve a Work Order with CB&I Coastal Planning & Engineering, Inc. to provide professional engineering Peer Reviews Contract No. 13-6164-CZ for a Time and Material amount not to exceed \$21,916 (Project No. 80165); authorize necessary budget amendment; authorize the County Manager or his designee to execute the work order and make a finding that this item promotes tourism.

Prepared by: J. Gary McAlpin, P.E., Coastal Zone Management, Natural Resources Department

Attachment: CB&I Proposal dated July 28, 2014; Work Order; Budget Amendment.



September 29, 2014
 News Business 7-6
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 CB&I Coastal Planning & Engineering, Inc.
 2481 NW Boca Raton Blvd.
 Boca Raton, FL 33431
 Tel: +1 561 391 8102
 Fax: +1 561 391 9116
 www.CBI.com

August 28, 2014

Gary McAlpin, Director
 Collier County Coastal Zone Management
 2800 N. Horseshoe Drive
 Naples, FL 34104

**Re: Engineering Peer Reviews
 (Contract No. 13-6164-CZ "Professional Services: Architect and Engineering")**

Dear Gary:

This proposal is for hourly services for CB&I Coastal Planning & Engineering, Inc. (CB&I) to perform two (2) peer reviews for Collier County's Coastal Zone Management department under the terms of the above-referenced Contract. CB&I engineers will prepare two (2) brief letter reports summarizing the findings of the peer reviews described in Exhibit A and attend two (2) meetings at the County office to discuss the results.

A scope of work is included as Exhibit A, the fee proposal is included as Exhibit B, and the rate schedule is provided as Exhibit C. The cost with time and materials is not to exceed \$21,916.

Very truly yours,

Stephen Keehn, P.E.
 Senior Coastal Engineer
 CB&I Coastal Planning & Engineering, Inc.

cc: Gail Hambright, Collier County Government
 Tara Brenner, P.G., CB&I
 Thomas P. Pierro, P.E., CB&I

Authorized Corporate Signature

Thomas Pierro

Printed Name

Director

Title



Exhibit A
Scope of Work

Exhibit A
Engineering Peer Reviews
Collier County, Florida
Scope of Work

This scope of work details the tasks necessary to conduct two (2) peer reviews for Collier County's Coastal Zone Management department. CB&I Coastal Planning & Engineering, Inc. (CB&I) will prepare two (2) brief letter reports summarizing the findings of the peer reviews described below and attend two (2) meetings at the County office to discuss the results.

All work will be complete and submitted to the County within 120 days of receiving the Notice to Proceed, contingent upon receipt of the reports no later than 60 days after the Notice to Proceed.

Historical Analyses (1997-2005 & 2005-2014)

CB&I will conduct a peer review of Atkins' two historical analysis reports (1995 to 2005 and 2005 to 2013). The review will focus on the report's consistency, completeness and adequacy for illustrating long term trends. The historical analyses conducted by Atkins cover two time periods, which include major beach nourishments, minor nourishments constructed by truck haul and sand bypassing at inlets, storms and other major influences. During the review, CB&I will compare the Atkins trend analysis against known milestones of the Collier County Beach Program and confirm or identify significant events illustrated by the data. CB&I will supplement Atkins' observations with pertinent comments where appropriate, including suggestions to improve the analysis where supported by the results.

CB&I will prepare a letter report summarizing the findings and observations of the historical analysis peer reviews and attend one (1) meeting to provide the results to Collier County's Coastal Zone Manager.

This peer review includes only the comments and calculations described above. Otherwise, no calculations, tables or figures will be redone or created for the peer review letter report.

Maintenance Dredging and Navigation Improvement Project 1-Year Monitoring

CB&I will conduct a peer review of the results of the 1-year post-construction physical monitoring of Wiggins Pass conducted by Atkins. CB&I will base the review on standards described in the physical monitoring plan (CPE, June 2012) and the "Engineering Report of an Inlet Management Study in Support of Maintenance Dredging, Navigation Improvement and Erosion Reduction Project for Wiggins Pass" (CPE, January 2012). The management concepts in these reports have received at least verbal approval from FDEP.

CB&I will focus on the following:

- a. Review completeness based on monitoring plan requirements.
- b. Identify or confirm pertinent observations of the pass' performance.
- c. Review that the tables, figures and major observations and conclusions are consistent and realistic.

- d. Calculate the 2001 to 2014 volume changes between R-12 and R-21 and compare the volumes to the volume changes since February 2013 (the latest pre-construction survey).
- e. Review or estimate future dredging volumes at 2-year and 4-year post-construction based on results in the monitoring report.
- f. Update the 10-Year Dredge Plan Volumes in Table 17 of the 2012 engineering reports based on the description in paragraph VIII B Mitigation and Sand Bypassing. The updated table will provide an initial estimate of dredge volumes and disposal locations of the 2-year and/or 4-year dredging events.
- g. Provide a method and example for updating this plan with each future monitoring report and before each major dredging event.

CB&I will prepare a letter report summarizing the findings and observations of the Wiggins Pass peer review and attend one (1) meeting to provide the results to Collier County's Coastal Zone Manager.

This peer review includes only the comments and calculation described above. Otherwise, no calculation, tables or figures will be redone or created for the peer review report.

Confidentiality Statement

The information contained in this proposal is confidential commercial information and shall not be disclosed, except for evaluation purposes, provided that if a contract is awarded to CB&I Environmental & Infrastructure, Inc. as a result of or in connection with the submission of this proposal, the requester shall have the right to use or disclose the data to the extent provided in the contract. This restriction does not limit the requestor's right to use or disclose any technical data obtained from another source without restriction.



**Exhibit B
Fee Proposal**

EXHIBIT B
FEE PROPOSAL FOR
Engineering Peer Reviews
Collier County, Florida
Contract 13-6164

August 26, 2014

Task Item	Cost	Senior Project Manager	Senior Engineer (Coastal)	Engineer (Coastal)	CADD Technician	Clerical	Travel		
		(Hours)	(Hours)	(Hours)	(Hours)		Meals	Mileage	Tolls
Task 1. Peer Review of Historical Analyses	\$ 6,937	1	16	32		2	2	249	1
Task 2. Peer Review of Wiggins Pass Monitoring	\$ 14,979	2	24	80	8	3	2	249	1
	Total Hours =	3	40	112	8	5	4	498	2
	Rate =	\$172	\$157	\$123	\$81	\$62	\$36	\$0.445	\$10
	Cost =	\$516	\$6,280	\$13,776	\$648	\$310	\$144	\$222	\$20
TOTAL	\$21,916								



**Exhibit C
Rate Schedule**

Exhibit C
SCHEDULE B: RATE SCHEDULE

Title	Standard Hourly Rate
Principal	\$ 206.00
Senior Project Manager	\$ 172.00
Project Manager	\$ 147.00
Senior Engineer	\$ 157.00
Engineer	\$ 123.00
Senior Inspector	\$ 96.00
Inspector	\$ 76.00
Senior Planner	\$ 139.00
Planner	\$ 110.00
Senior Designer	\$ 114.00
Designer	\$ 94.00
Environmental Specialist	\$ 109.00
Senior Environmental Specialist	\$ 134.00
Scientist/Geologist	\$ 93.00
Senior Scientist/Geologist	\$ 118.00
Marine Biologist/Hydrogeologist	\$ 110.00
Senior Marine Biologist/Hydrogeologist	\$ 138.00
Senior GIS Specialist	\$ 139.00
GIS Specialist	\$ 102.00
Clerical/Administrative	\$ 62.00
Senior Technician	\$ 85.00
Technician	\$ 72.00
Surveyor and Mapper	\$ 120.00
CADD Technician	\$ 81.00
Survey Crew - 2 man	\$ 130.00
Survey Crew - 3 man	\$ 161.00
Survey Crew - 4 man	\$ 189.00
Senior Architect	\$ 154.00
Architect	\$ 121.00

This list is not intended to be all inclusive. Hourly rates for other categories of professional, support and other services shall be mutually negotiated by Collier County and firm on a project by project basis as needed.

✓ WORK ORDER/PURCHASE ORDER
Contract 13-6164-CZ "Professional Services: Architect & Engineering"
Contract Expiration Date: March 8, 2019

This Work Order is for professional Engineering services for work known as: Engineering Peer Reviews

Project Name: Engineering Peer Reviews ✓
Project No: 195-80165 ✓

The work is specified in the proposal dated August 28, 2014 which is attached hereto and made a part of this Work Order. In accordance with Terms and Conditions of the Agreement referenced above, this Work Order/Purchase Order is assigned to: CB&I Coastal Planning & Engineering, Inc.

Scope of Work: As detailed in the attached proposal and the following:

- * Task I Peer Review of Historical Analyses
- * Task II Peer Review of Wiggins Pass Monitoring ✓

Schedule of Work: Complete work within ^{120 TC} 60 days from the date of the Notice to Proceed which is accompanying this Work Order. The Consultant agrees that any Work Order that extends beyond the expiration date of Agreement # 13-6164-CZ will survive and remain subject to the terms and conditions of that Agreement until the completion or termination of this Work Order.

Compensation: In accordance with the Agreement referenced above, the County will compensate the Firm in accordance with following method(s): Negotiated Lump Sum (NLS) Lump Sum Plus Reimbursable Costs (LS+RC) Time & Material (T&M) (established hourly rate – Schedule A) Cost Plus Fixed Fee (CPFF), (define which method will be used for which tasks) as provided in the attached proposal.

Task I	\$ 6,937.00 (T&M) ✓
Task II	\$14,979.00 (T&M) ✓
TOTAL FEE	\$21,916.00 (T&M) ✓

PREPARED BY: J. Gary McAlpin
J. Gary McAlpin, P.E., CZM Manager

9/9/2014
Date

APPROVED BY: William Lorenz AP
William Lorenz, Department Director

09-10-2014
Date

APPROVED BY: Nick Casalanguida
Nick Casalanguida, Division Administrator

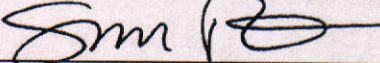
9/10/14
Date

TC
9/10/14
9/10/14

By the signature below, the Firm (including employees, officers and/or agents) certifies, and hereby discloses, that, to the best of their knowledge and belief, all relevant facts concerning past, present, or currently planned interest or activity (financial, contractual, organizational, or otherwise) which relates to the proposed work; and bear on whether the Firm has a potential conflict have been fully disclosed.

Additionally, the Firm agrees to notify the Procurement Director, in writing within 48 hours of learning of any actual or potential conflict of interest that arises during the Work Order and/or project duration.

ACCEPTED BY: CB&I Coastal Planning & Engineering



Thomas Pierro, P.E., DCE
Director

9/9/2014
Date



CB&I Coastal Planning & Engineering, Inc.
2481 NW Boca Raton Blvd.
Boca Raton, FL 33431
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August 28, 2014

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Very truly yours,

A handwritten signature in black ink, appearing to read "S. Keehn", written over a horizontal line.

Stephen Keehn, P.E.
Senior Coastal Engineer
CB&I Coastal Planning & Engineering, Inc.

cc: Gail Hambright, Collier County Government
Tara Brenner, P.G., CB&I
Thomas P. Pierro, P.E., CB&I

A handwritten signature in blue ink, appearing to read "Thomas Pierro", written over a horizontal line.
Authorized Corporate Signature

Thomas Pierro
Printed Name

Director
Title



Exhibit A
Scope of Work

CastilloTara

From: HambrightGail
Sent: Friday, September 12, 2014 2:09 PM
To: Brenner, Tara D
Cc: CastilloTara
Subject: RE: what does this mean, see below.

Thank for your assistance on this matter.

Gail

From: Brenner, Tara D [<mailto:tara.brenner@cbi.com>]
Sent: Friday, September 12, 2014 2:06 PM
To: HambrightGail
Cc: CastilloTara
Subject: RE: what does this mean, see below.

Good afternoon,

I'm sorry for the confusion.

All work will be complete and submitted to the County within 120 days of receiving the Notice to Proceed.

Tara Devine Brenner, P.G.
Coastal Engineer
Coastal Ports & Marine
Environmental & Infrastructure
Tel: + 1 561 361 3169

From: HambrightGail [<mailto:GailHambright@colliergov.net>]
Sent: Friday, September 12, 2014 1:51 PM
To: Brenner, Tara D
Cc: CastilloTara
Subject: what does this mean, see below.

Exhibit A 2nd paragraph. Is it 120 or 60 days after the Notice to Proceed. I put 60 on the WO and your office signed it. Please make this clear.

Thanks,
Gail

Under Florida Law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to this entity. Instead, contact this office by telephone or in writing.

This e-mail and any attached files may contain CB&I (or its affiliates) confidential and privileged information. This information is protected by law and/or agreements between CB&I (or its affiliates) and either you, your employer or any contract provider with which you or your employer are associated. If you are not an intended recipient, please contact the sender by reply e-mail and delete all copies of this e-mail; further, you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.

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Collier County, Florida
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** ✓
see
email DTD
9/12/14*

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**Exhibit B
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Engineering Peer Reviews
Collier County, Florida
Contract 13-6164

August 26, 2014

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Designer	\$ 94.00
Environmental Specialist	\$ 109.00
Senior Environmental Specialist	\$ 134.00
Scientist/Geologist	\$ 93.00
Senior Scientist/Geologist	\$ 118.00
Marine Biologist/Hydrogeologist	\$ 110.00
Senior Marine Biologist/Hydrogeologist	\$ 138.00
Senior GIS Specialist	\$ 139.00
GIS Specialist	\$ 102.00
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Technician	\$ 72.00
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