

Agenda Item #: 3-C-2

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

Meeting Date:	July 1, 2014	<input checked="" type="checkbox"/>	Consent	<input type="checkbox"/>	Regular
		<input type="checkbox"/>	Workshop	<input type="checkbox"/>	Public Hearing
Department:	Engineering & Public Works Department				
Submitted By:	Roadway Production Division				
Submitted For:					

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: supplemental agreement No. 2 (Agreement) to project agreement R2012-0378 in the amount of \$906,050.01 with Bridge Design Associates, Inc. (BDA), for professional services for the Camino Real Road / Boca Club Bridge over Intracoastal Waterway project (Project).

SUMMARY: Approval of this Agreement will provide the services necessary for the preparation of design plans and construction bid documents for the Project. The Small Business Enterprise (SBE) goal for the Project is 15%. The SBE participation committed for this supplement by BDA is 43.87%, with 46.08% SBE participation achieved to date. BDA is a Palm Beach County company and is a certified SBE.

District 4 (MRE)

Background and Justification: On January 9, 2012, the County Engineer approved an Agreement with BDA to study bridge rehabilitation alternatives. On March 6, 2012, the Agreement was received and filed by the Board of County Commissioners (Board) R2012-0378. Palm Beach County now desires BDA to prepare design plans and construction bid documents for the Project, as detailed in Exhibit "A" of the attached Agreement. The fee, as detailed in Exhibit "A" of the attached Agreement, has been negotiated as just and reasonable compensation as follows:

Basic Services (Lump Sum)	\$539,474.40	(Design Plans).
Reimbursable Expenses (Not to Exceed)...	\$351,575.61	(Survey, Geotechnical, Underwater Investigation, Control System, Permit Applications and Fees).
Optional Services (Not to Exceed).....	\$ 15,000.00	(Utility Locator).
Total:	\$906,050.01	

After reviewing the attached Agreement and finding it in proper order, staff recommends the Board's approval.

Attachments:

1. Location Map
2. Supplemental Agreement with Exhibits "A", "B", and "C" and Certificate of Insurance (2)
3. Project Work Schedule

=====

Recommended by: *[Signature]* 5/5/14 *[Signature]*
 Division Director Date

Approved By: *[Signature]* 6/5/14
 County Engineer Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2014	2015	2016	2017	2018
Capital Expenditures	<u>\$1,087,275</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Operating Costs	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
External Revenues	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Program Income (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
In-Kind Match (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
NET FISCAL IMPACT	<u>\$1,087,275</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
# ADDITIONAL FTE					
POSITIONS (Cumulative)					

Is Item Included in Current Budget? Yes X No

Budget Account No:

Fund 3500 Dept 361 Unit 1001-03 Object 6505

Recommended Sources of Funds/Summary of Fiscal Impact:

Transportation Improvement Fund
 Bridges & Crossings
 Boca Club/East Camino Real Bridge over Intracoastal

Basic Services	\$ 539,474.40
Reimbursable Services	\$ 351,575.61
Optional Services	<u>\$ 15,000.00</u>
	\$ 906,050.01
Staff Costs	
Roadway Production	\$ 90,609.99
Right of Way	\$ 22,655.00
Survey	\$ 22,655.00
Traffic	<u>\$ 45,305.00</u>
Total Fiscal Impact	<u>\$1,087,275.00</u>

C. Departmental Fiscal Review: Alicia Kovalainen

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Dev. and Control Comments:

SJ
6/5/14
Alicia Kovalainen
 OFMB

John J. ...
 Contract Dev. and Control
 6-11-14 *hickwell*

**B. Approved as to Form
and Legal Sufficiency:**

Martina R. ... 6/12/14
 Assistant County Attorney

C. Other Department Review:

 Department Director

This summary is not to be used as a basis for payment.

**CAMINO REAL ROAD / BOCA CLUB BRIDGE
OVER INTRACOASTAL WATERWAY
PALM BEACH COUNTY PROJECT NO. 2003501**



LOCATION MAP

ATTACHMENT 2

**SUPPLEMENTAL AGREEMENT BETWEEN
PALM BEACH COUNTY
AND
BRIDGE DESIGN ASSOCIATES, INC.
FOR PROFESSIONAL ENGINEERING SERVICES ON
CAMINO REAL ROAD / BOCA CLUB BRIDGE
OVER INTRACOASTAL WATERWAY
PROJECT NO.: 2003501
PALM BEACH COUNTY, FLORIDA**

THIS SUPPLEMENTAL AGREEMENT No. 2, made and entered into this day of _____ 2014 by and between Palm Beach County, hereinafter COUNTY, and, Bridge Design Associates, Inc., a Florida Corporation with an address of 1402 Royal Palm Beach Boulevard, Building 200, Royal Palm Beach, Florida 33411, hereinafter CONSULTANT.

WITNESSETH

WHEREAS, the COUNTY and CONSULTANT entered into a Project Agreement dated January 9, 2012 (R2012-0378), to provide professional engineering services for the design of Camino Real Road / Boca Club Bridge over Intracoastal Waterway, Palm Beach County, Florida (hereinafter PROJECT); and.

WHEREAS, the COUNTY now desires for the CONSULTANT to prepare designs and construction bid documents for rehabilitation of the bridge for the PROJECT; and

WHEREAS, the following fee has been negotiated as just and reasonable compensation for these professional services to be performed by the CONSULTANT:

**RE: Camino Real Road / Boca Club Bridge over Intracoastal Waterway
Project No. 2003501**

Basic Services in a lump sum fee of **\$539,474.40**;

Reimbursable Services (Not to Exceed) \$351,575.61;

Optional Services (Not to Exceed) \$15,000.00;

Totaling \$906,050.01

NOW, THEREFORE, THIS INDENTURE WITNESSETH: That for and in consideration of the mutual benefits to flow from each to the other, the parties hereto agree as follows:

1. The **CONSULTANT** agrees to provide professional services as described in Exhibit "A" of the Agreement known as "SCOPE OF WORK & FEE".
2. The **CONSULTANT** agrees to "CERTIFICATION" statements as described in Exhibit "B" of the Agreement.
3. The **CONSULTANT** agrees to Small Business Enterprise (SBE) Participation, described in Exhibit "C" of the Agreement.
4. The **COUNTY** agrees to pay the **CONSULTANT** a fee of Nine Hundred Six Thousand Fifty Dollars and One Cent (\$906,050.01).
5. The **CONSULTANT** agrees to indemnify, defend and hold harmless the **COUNTY** against all claims that may arise as a result of negligence, wrongdoing, misconduct or want of care by the **CONSULTANT**.

Except as hereby amended, changed or modified, all other terms and conditions of the original Agreement dated **January 9, 2012 (R2012-0378)**, and;

Supplements and Amendments thereto, shall remain in full force and effect.

**RE: Camino Real Road / Boca Club Bridge over Intracoastal Waterway
Project No. 2003501**

IN WITNESS WHEREOF, the parties hereto have made and executed this Authorization as of the day and year first above written.

OWNER:

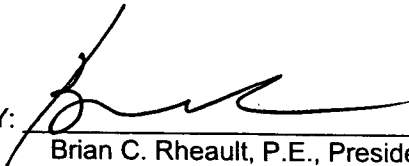
**Palm Beach County, Florida, a
Political Subdivision of the
State of Florida**

BOARD OF COUNTY COMMISSIONERS

BY: _____
Priscilla A. Taylor, Mayor

CONSULTANT:

**Bridge Design Associates, Inc.
a Florida Corporation**

BY: 
Brian C. Rheault, P.E., President

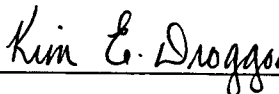
ATTEST:
Sharon R. Bock, Clerk & Comptroller
Circuit Court

CORPORATE SEAL



BY: _____
Deputy Clerk

WITNESS:

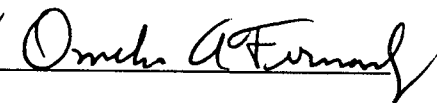
BY: 


SEAL

KIM E. DROZDOS

(Printed Name)

APPROVED AS TO TERMS
AND CONDITIONS:

^{2/14}
BY: 

BY: 

APPROVED AS TO FORM & LEGAL
SUFFICIENCY:

Madeline Szwed

(Printed Name)

County Attorney

EXHIBIT "A"

BRIDGE DESIGN ASSOCIATES, INC.



Exhibit "A" – Page 1 of 43

BRIAN C. RHEULT, P.E.
President

April 8, 2014

Palm Beach County Engineering
2300 N. Jog Road
West Palm Beach, Florida 33411

*Scope & Fee OK.
Dly*

Attention: Dave Young

Regarding: Boca Club Bridge over ICWW (2003501)

Project No.: 12-507

Dear Dave:

Attached is our revised proposal and responses to R.J. Behar's comments.

If you have any questions, please give me a call.

Respectfully,

BRIDGE DESIGN ASSOCIATES, INC.

A handwritten signature in black ink, appearing to be "B. Rheault", written over a horizontal line.

Brian C. Rheault, P.E., #38797
President

BCR:kedS:\2012-Jobs\12-507 Camino Real Road -Boca Club Bridge Rehabilitation\01
Admin\Proposals\proposal 04-08-14.wpd

BRIDGE DESIGN ASSOCIATES, INC.

BOCA CLUB BRIDGE OVER ICWW

March 31, 2014

Responses to Comments from R.J. Behar

- 9.2 Agreed & modified
- 9.4. Agreed & modified
- 9.5 Agreed & modified
- 9.9 Disagree - we will be using auger cast-in-place piles which require technical specifications

- 12.3 Agreed & modified
- 12.5 Disagree - different end barrier conditions on approach slab due to gate, light, parking lot, etc.
- 12.7 Agreed & modified
- 12.8 Disagree - no sheet pile present, conflicts due to different side slopes will require separate analysis

- 12.11 Agreed & modified
- 12.12 Agreed - will move hours to 12.13
- 12.13 Modified
- 12.14 Modified
- 12.15 Disagree - Details sheets required
- 12.16 Disagree - Light poles and gates need foundations
- 12.18 Agreed & modified
- 12.22 Disagree - spans cannot be made identical. We are incorporating existing intermediate piles into new foundation similar to George Bush repairs. Will reduce slabs to (3) each span

- 12.23 Disagree - See 12.22 explanation
- 12.24 Disagree - See 12.22 explanation
- 12.26 Disagree - See 12.22 explanation
- 12.28 Modified to (6)

- 16.2 Disagree - modifications to span lock system may effect clearance
- 16.11 Agreed & modified
- 16.101 Agreed & modified

- 18.5 Disagree - (4) different poles required.

BRIDGE DESIGN ASSOCIATES, INC.



Exhibit "A" – Page 3 of 43

BRIAN C. RHEAULT, P.E.
President

February 20, 2014

Palm Beach County
Roadway Production
2300 N. Jog Road
West Palm Beach, Florida 33411

Attention: Dave Young

Regarding: Camino Real Road / Boca Club Bridge over Intracoastal Waterway Rehabilitation
Palm Beach County Project No.: 2003501

Project No.: 12-507

Dear Dave:

Based on the scope meeting held on October 26, 2011 and our site visit with the Road & Bridge Department, and the feasibility study dated August, 2013, we have developed the following scope of services for your review.

The May 26, 2011 bridge inspection report has labeled the bridge structurally deficient with a sufficiency rating of 31.4. We understand Palm Beach County would like to rehabilitate the bridge to bring these ratings to acceptable levels.

Based on our knowledge of the bridge from the rehabilitation of the moveable spans in 2007 we know the following portions of the bridge need to be replaced or repaired or modified:

Replace

1. Superstructure: (spans 1, 2, 4 and 5) including sidewalks and barriers
2. Substructure: Replace intermediate piers 2 and 5 and widen end bents
3. Fender system: New whalers and pile cable ties
4. East and west approach slabs
5. Replace existing control system to new systems to be located in the new Bridgetender House

Repair

6. Substructure: concrete restoration of bascule piers 1 and 2
7. East and West: slope protection on the canal banks beneath the bridge and adjacent shoreline
8. Forward and rear columns and stringers for the main drive gear and machine room framing.
9. Re-paint the existing bascule bridge components to be reused.

Exhibit "A" – Page 4 of 43

Camino Real Road / Boca Club Bridge over Intracoastal Waterway Rehabilitation
Palm Beach County Project No.: 2003501
Page 2

In addition to the repairs and replacement items, the following site modifications have been requested:

10. Remove existing drainage scuppers from the bridge and incorporate a new storm water collection and treatment system at each end of the bridge.
11. Provide a new parking area for the bridge tenders and maintenance vehicles (4) spots.
12. Relocate the existing traffic lights and barriers to meet current F.D.O.T. standards
13. Re-grade existing roadway approach slabs to accommodate the wider roadway and to collect stormwater run-off from the bridge
14. Remove existing or upgrade existing guardrails to meet current standards.
15. Replace advance warning and caution signs to current standards.
16. Widen the existing bridge lanes from 10'-0 to 12'-6 wide including gutters.
17. Relocate existing control house from the southeast corner to the northeast or northwest corner of the bridge including a new six camera DVR system to monitor and record boat traffic.
18. Modifications to the bascule spans, roadway grading, pedestrian guardrails, sidewalks and overhead lighting to accommodate the widened approach spans.

In addition to the modifications and replacement of various components, Bridge Design will also coordinate with Palm Beach County regarding utility relocations including meeting with the various agencies and City to discuss relocation and temporary removal of conflicted utilities.

We will also prepare a pro-con study to identify issues affecting the proposed location of the new bridgetender house and bridgetender and maintenance parking. The study will address the northeast and northwest corners for the tender house and the northeast and southwest corners for the parking.

Bridge Design will also prepare and attend pre-application conferences for the Historical Resource Review Board (HRRB) to obtain a Certificate of Appropriateness and Boca Raton Historical Society. We will attend the HRRB and BRHS meetings to discuss the application as required.

The proposed bridge modifications and replacement will be designed in accordance with current F.D.O.T. Structure Design Guidelines for 2013 and AASHTO LRFD Moveable High Bridge Specifications Second Edition (2007).

The bridgetender house will be designed to meet the requirements of the (2010) Florida Building Code as amended to date.

SCHEDULE

Task 1	HRRB - Certificate of Appropriateness BRHS - Certificate of Appropriateness Pro-Con study for tenderhouse & parking locations	9 months
Task 2	35% Design Plans including: Roadway Drainage Structural - Bridge Structural - Building Electrical Mechanical 100% Survey Plans 100% Soils Underwater investigation of bascule piers #1 and #2	150 days
Task 3	65% Design Plans including: Roadway Drainage Structural - Bridge Structural - Building Electrical Mechanical Environmental applications submitted Utility coordination Utility conflicts identified Preliminary cost estimate	180 days
Task 4	96% Design Plans including: Roadway Drainage Structural - Bridge Structural - Building Electrical Mechanical Environmental permits obtained Cost estimates	120 days
Task 5	100% Plans	45 days

Respectfully,

BRIDGE DESIGN ASSOCIATES, INC.



Brian C. Rheault, P.E.
 President

BRIDGE DESIGN ASSOCIATES, INC.
 CAMINO REAL ROAD / BOCA CLUB BRIDGE OVER ICWW
 April 20, 2014
 HOURLY BREAKDOWN OF SERVICES
 EXHIBIT "A"

TASK		ACTIVITY	CHIEF ENGINEER	PROJECT MANAGER	PROJECT ENGINEER	ENGINEER INTERN	DESIGNER	CAD TECHNICIAN	TOTAL HOURS BY ACTIVITY	TASK TOTALS	LABOR COST BY ACTIVITY
			\$195.00	\$185.00	\$92.00	\$80.00	\$73.00	\$93.00			
REPLACE											
1		Superstructure: replace approach spans including sidewalks & barriers									
2	BDA	Substructure: replace intermediate pier 2 and 5 and widen end bents	\$11,700	\$26,600	\$22,080	\$19,200		\$27,900			
4		East and West approach slabs	\$1,560	\$5,920	\$1,240	\$1,600		\$2,976			
		Subtotal 1, 2 & 4	60.0	360.0	240.0	240.0		300.0	1200.0	\$147,480.00	\$147,480.00
3	BDA	Fender System	8.0	32.0	20.0	20.0		32.0	112.0	\$13,896.00	\$13,896.00
5	H & H	Control System (Reimbursable)								\$227,235.60	\$227,235.60
REPAIR											
6		Substructure: concrete restoration of bascule piers									
7	BDA	East & west shore protection on canal banks beneath the bridge and adjacent shoreline									
8		Forward and rear column add stringers for main drive gear and machine room framing	\$7,800	\$51,060	\$16,192	\$14,050		\$18,600			
9		Repaint the existing bascule	40.0	276.0	176.0	176.0		200.0	868.0	\$107,732.00	
	HH	Drive Gear Alignment Specs								\$1,390.01	
	TT	Dive Inspection (Reimbursable)								\$7,000.00	
		Subtotal 6, 7, 8 & 9								\$116,122.01	\$116,122.01
10	WGI	Remove scuppers / storm drainage / treatment areas									
11	WGI	Bridge Tender's parking area									
12	WGI	Traffic lights & barriers	\$780	\$3,700	\$1,472	\$1,280		\$744		\$46,955.00	
13	WGI	Rework existing roadway approaches	4.0	20.0	16.0	16.0		8.0	64.0	\$7,976.00	
	BDA	Structural Foundations								\$39,070.00	
	WGI	Survey (Reimbursable)								\$94,001.00	\$94,001.00
		Subtotal 10, 11, 12 & 13									
14	BDA	Remove existing or upgrade existing guardrail to meet current standards	\$780	\$1,480	\$1,104	\$960		\$1,488	52.0	\$5,812.00	\$5,812.00
15	BDA	Replace advanced warning caution signs to current standards	\$780	\$1,480	\$1,104	\$960		\$1,488	52.0	\$5,812.00	\$5,812.00

Exhibit "A" - Page 6 of 43

CAMINO REAL ROAD / BOCA CLUB BRIDGE OVER ICWW
April 20, 2014

HOURLY BREAKDOWN OF SERVICES
EXHIBIT "A"

TASK		ACTIVITY	CHIEF ENGINEER	PROJECT MANAGER	PROJECT ENGINEER	ENGINEER INTERN	DESIGNER	CAD TECHNICIAN	TOTAL HOURS BY ACTIVITY	TASK TOTALS	LABOR COST BY ACTIVITY
			✓ \$185.00	✓ \$185.00	✓ \$92.00	✓ \$80.00	✓ \$73.00	✓ \$93.00			
16	H & H	Widen existing bascule bridge from 10 to 12'-6 wide including gutters									
18	H & H	Modifications to bascule span including load rating analysis									
17a	H & H	Six Camera DVR System (Reimbursable)									
19	H & H	Load rating analysis approach bascule spans									
		Subtotal 16, 18, 17a & 19							✓ \$122,743.48	✓ \$122,743.48	
17	BDA	Relocate existing control house	24.0	172.0	112.0	112.0		148.0	✓ 568.0	✓ \$69,528.00	✓ \$69,528.00
		GENERAL ACTIVITIES	84,680	31,820	10,304	8,960		813,764			
20	BDA	General drawings & field reconnaissance Progress meeting plan reviews	6.0	8.0	6.0	6.0		40.0	✓ 66.0	✓ \$7,402.00	✓ \$7,402.00
21	BDA	Utility relocation meetings & discussions	16.0	24.0					✓ 40.0	✓ \$7,560.00	✓ \$7,560.00
21	WGI	Utility relocation meetings & discussions (Reimb)								✓ \$3,000.00	✓ \$3,000.00
22	BDA	Control house location study Pro-Con northeast vs southeast	8.0	24.0	8.0				✓ 40.0	✓ \$6,736.00	✓ \$6,736.00
	H & H	Reimbursable								✓ \$3,610.00	✓ \$3,610.00
23	BDA	HRRB Applications & Meetings	8.0	8.0	24.0			16.0	✓ 56.0	✓ \$6,736.00	✓ \$6,736.00
		BRHS Applications & Meetings	8.0	8.0	24.0			16.0	✓ 56.0	✓ \$6,736.00	✓ \$6,736.00
24	DE&T	Soils Investigation (Reimbursable)	46	72	62	6		72	258	✓ \$22,469.92	✓ \$22,469.92
25	I & S	Environmental Permitting (Reimbursable)	68,970	13,220	5,704	8480		86,696		✓ \$20,120.00	✓ \$20,120.00
		TOTAL MANHOURS	✓ 190.0	✓ 948.0	✓ 650.0	✓ 594.0	0.0	✓ 792.0	✓ 3174.0		
		DIRECT LABOR COST	✓ \$37,050.00	✓ \$175,380.00	✓ \$59,800.00	✓ \$47,520.00	\$0.00	✓ \$73,656.00			

PERMIT FEES
South Florida Water Mangement District \$3,750.00
Army COE \$300.00

3.0 multiple

ENGINEERING FEES ✓ \$887,000.01
REIMBURSABLE PERMIT FEES ✓ \$4,050.00
OPTIONAL SERVICES
Subaqueous Utility locator ✓ \$15,000.00
TOTAL ✓ \$906,050.01

Exhibit "A" – Page 8 of 43

BRIDGE DESIGN ASSOCIATES, INC.

PROJECT ACTIVITY 9: Structures-Summary and Miscellaneous Tasks and Drawings

Boca Club Bridge over ICWW
PBC 2003501

Estimator:

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
	General Drawings						
9.1	Key Sheet and Index of Drawings	Sheet	1	4	1	4	
9.2	Project Layout	Sheet				0	
9.3	General Notes and Bid Items	Sheet	1	16	1	16	
9.4	Miscellaneous Common Details	Sheet				0	
9.5	Incorporate Report of Core Borings	Sheet	2	1	2	2	
9.6	Existing Bridge Plans	LS	1	4		4	
9.7	Assemble Plan Summary Boxes and Quantities	LS	1	8		8	
9.8	Cost Estimate	LS	1	16		16	
9.9	Technical Special Provisions	LS	2	8		16	
Structures-Summary and Misc. Tasks and Drawings and Technical Totals					4	66	

BACK UP FOR TASK #20

66

PROJECT ACTIVITY 12: Structures-Short Span Concrete

Boca Club Bridge over ICWW
PBC 2003501

Estimator:

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
General Layout Design and Plans							
12.1	Overall Bridge Final Geometry	LS	1	24		24	
12.2	Expansion/Contraction Analysis	EA Unit	0	0		0	
12.3	General Plan and Elevation	Sheet	1	48	1	48	
12.4	Construction Staging	Sheet	0	0	0	0	
12.5	Approach Slab Plan and Details	Sheet	2	24	2	48	
12.6	Miscellaneous Details	Sheet	2	48	2	96	
End Bend Design and Plans							
12.7	End Bent Geometry	EA End Bent	2	4		8	
12.8	End Bent Structural Design	EA Design	2	32		64	
12.9	End Bent Plan and Elevation	Sheet	4	18	4	72	
12.10	End Bent Details	Sheet	2	16	2	32	
Intermediate Bent Design and Plans							
12.11	Bent Geometry	EA Bent	2	4		8	
12.12	Bent Stability Analysis	EA Analysis				0	
12.13	Bent Structural Design	EA Design	1	48		48	
12.14	Bent Plan and Elevation	Sheet	2	24	4	48	
12.15	Bent Details	Sheet	2	12	2	24	
Miscellaneous Substructure Design and Plans							
12.16	Foundation Layout	Sheet	4	24	4	96	
Miscellaneous Superstructure Design and Plans							
12.17	Finish Grade Elevation Calculation	LS	1	8		8	
12.18	Finish Grade Elevations	Sheet	1	16	1	16	
Cast-in-Place Slab Bridges							
12.19	Bridge Deck Design	EA Unit	0	0		0	
12.20	Superstructure Plan	Sheet	0	0	0	0	
12.21	Superstructure Sections and Details	Sheet	0	0	0	0	

BACK UP FOR TASKS #1 - 2 - 4

PROJECT ACTIVITY 12: Structures-Short Span Concrete

Boca Club Bridge over ICWW
PBC 2003501

Estimator:

Task No.	Task	Units	Design and Production Staffhours				Comments	
			No. of Units	Hours per Unit	No. of Sheets	Total		
Prestressed Slab Unit Bridges								
12.22	Prestressed Slab Unit Design	EA Design	6	24	8	144		
12.23	Prestressed Slab Unit Layout	Sheet	2	12	2	24		
12.24	Prestressed Slab Unit Details and Schedule	Sheet	4	32	4	128		
12.25	Deck Topping Reinforcing Layout	Sheet	0	0	0	0		
12.26	Superstructure Sections and Details	Sheet	4	24	4	96		
Reinforcing Bar List								
12.27	Preparation of Reinforcing Bar List	Sheet	3	8	3	24		
Load Rating								
12.28	Load Rating	EA Unit	6	24		144		
12. Structures-Short Span Concrete Bridge Total					43	✓	1200	

BACK UP FOR TASKS #1 - 2 - 4

PROJECT ACTIVITY 16: Structures Movable Span

Estimator:

Boca Club Bridge over ICWW
PBC 2003501

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
Final Design Bascule Pier							
16.1	Pier Deck	LS	1	40	1	40	
16.2	Leaf/Pier Clearance Diagrams	EA Diagram	3	12	3	36	
16.3	Load Shoe Columns	LS	1	0	0	0	
16.4	Trunnion Columns	LS	1	0	0	0	
16.5	Foundations	LS	1	80	1	80	
16.6	Footing	LS	1	24	2	24	
16.7	Seal	LS	1	0	0	0	
16.8	Back Wall (Approach Span Bearings) Closed Piers Only	LS	1	40	2	40	
16.9	Bascule Pier Deck Elevations	EA Pier	2	8	2	16	
Bascule Pier Dimensions-Detailing							
16.10	Pier Plan Views	Sheet	6	32	6	192	
16.11	Pier Elevation Views	Sheet	4	24	2	96	
16.12	Pier Sections	Sheet	4	24	4	96	
Bascule Pier Reinforcing Details							
16.13	Pier Reinforcing	Sheet	2	24	2	48	
16.14	Pier Barrier Details	Sheet	2	32	2	64	
16.15	Stair Details	Sheet	1	32	1	32	
16.16	Handrail Details	Sheet	1	32	1	32	
16.17	Ladder and Hatch Details	Sheet	1	12	1	12	
16.18	Pier Equipment	Sheet	0	0	0	0	
16.19	Bascule Pier Notes and Summary of Quantities	Sheet	1	8	1	8	
16.20	Miscellaneous Details	Sheet	1	16	1	16	

BACK UP FOR TASKS #6 - 7 - 8 - 9

PROJECT ACTIVITY 16: Structures Movable Span

Estimator:

Boca Club Bridge over ICWW
PBC 2003501

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
Control House							
16.95	Architectural Design	LS	1	120		120	
16.96	Architecture Details	Sheet	3	40	3	120	
16.97	Structural Design	LS	1	200	2	200	
16.98	Structural Details	Sheet	4	32	4	128	
Reinforcing Bars Lists							
16.101	Preparation of Reinforcing Bar List	Sheet	3	12	4	36	
16. Structures-Movable Span Total					45	1436	

BACK UP FOR TASKS #6 - 7 - 8 - 9 (Task No.'s 16.1 through 16.20 & 16.101) ✓ 868
 BACK UP FOR TASK #17 (Task No. 16.95 through 16.98) ✓ 568

PROJECT ACTIVITY 18: Miscellaneous Structures

Estimator:

Boca Club Bridge over ICWW
PBC 2003501

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
Mast Arms							
18.5	Mast Arms	Ea Design	4	16	4	64	
Special Structures							
18.19	Fender System	LS	1	80	2	80	
18.20	Fender System Access	LS	1	32	1	32	
18.21	Special Structures	LS	0	0		0	
18.22	Other Structures	LS	0	0		0	
18. Miscellaneous Structures			7			176	

BACK UP FOR TASK #12 (Task No. 18.5)

64

BACK UP FOR TASK #3 (Task No.'s 18.19 through 18.22)

112

Exhibit "A" – Page 15 of 43

HARDESTY & HANOVER

See below my responses.

Reference Task 9.9

Comment: "No TSP required for Movable Bridge Mechanical".

Response: There will be a requirement to re-align the machinery for the rack frame work (by BDA). A procedure and/or TSP for re-mounting the racks will be required (refer to Task No. 8 from scope letter). Also refer to response to Task 9.14.

Reference Task 9.12

Comment: PBC does not pay for QC.

Response: The FDOT staffhour spreadsheets separate hours for plan development, design and related QC activities. This is a transparent approach to discourage loading of QC hours. QC is an integral component of the design activity and of the profession and standard of care. We understand the PBC would not pay for Quality Assurance (QA). Task 9.12 is misnamed QA/QC.

If consultants did not use the staffhour FDOT spreadsheets, including the percentage of QC line item, then the required QC would be distributed in the hours/task. We will distribute the hours appropriately to the Structures Activity 16 (equates to about 3 hours/task in Activity 16) and make the Task 9.12 percentage zero.

Reference Task 9.14

Comment: PBC does not pay for Supervision.

Response: The FDOT staffhour spreadsheets separate hours for plan development, design and necessary coordination at design interfaces. Since BDA has some work on the bascule pier and H&H is performing work the necessary correlated work we will need to coordinate the work. Specifically, the racks will be removed to repair the rack frame support. H&H will need to be involved for the necessary machinery alignment specifications. We will include 60 hours is for this necessary activity in Task 9.9.

Reference Task 16.42

Comment: Confirm proposed was 3 sheets.

Response: 3 Sheets is acceptable.

Reference Task 16.43

Comment: 2 Sections/plan sheet = 4 sections total. Sections were already started during study, therefore low range of hours.

Response: 2 Sheets is acceptable.

Reference Task 16.54

Comment: Average complexity for traffic barrier details.

Response: We will need to design a modified traffic barrier (TL-2) and work out the connection details which is complex. 30 hrs/sheet will be required.

Reference Task 16.84

Comment: One sheet for Lantana.

Response: Lantana has more conduit schedule sheets. Refer to 16.86. For contractor biddability there will need to be 3 sheets.

Reference Task 16.85

Comment: Reduced to 2 Sheets at 12 Hours/Sheet

Response: Acceptable.

Exhibit "A" – Page 17 of 43

Reference Task 16.87

Comment: Reduced to 4 Sheets at 24 Hours/Sheet.

Response: This task will require 32/sheet to size the equipment for the new control house. The new control house has constraints on its footprint and floor plans.

Reference Task 16.88

Comment: Reduced to 12 Sheets at 24 Hours/Sheet.

Response: There will be at least 20 sheets for the control schematics. We will reduce the hours/sheet from 32 to 24.

Reference Task 16.92

Comment: Reduced to 2 Sheets at 8 Hours/Sheet.

Response: Acceptable.

Reference Task 16.93

Comment: Reduced to 1 Sheet at 20 Hours/Sheet.

Response: For biddability purposes there will be 2 sheets. We will revise to 2 sheets at 16 hours/sheet.

Reference Task 16.94

Comment: Reduced to 10 Sheets at 24 Hours/Sheet.

Response: There will be at least 12 sheets. We will reduce the number of sheets to 12.

Project Activity 16: Structures - Movable Span

		Replace Electrical Control System	Rack Gear Support	Widen Existing Bascule Span	Control House Relocate	Modifications to Bascule Span	Load Ratings	Control House Study
		Corresponding Camino Real/Boca Club Bridge Rehabilitation Task Number						
FDOT Task No.	FDOT Activity 16 Task	5	8	16	17A	18	19	22
Bascule Leaf Design		Hours per Task						
16.21	Deck Design			26.5		26.5		
16.22	Sidewalk Design			17.5		17.5		
16.23	Stringer Design			0		0		
16.24	Typical Floorbeam Design			0		0		
16.25	End Floorbeam Design			0		0		
16.26	Deep Floorbeam Design			0		0		
16.27	Sidewalk Bracket Design			13.5		13.5		
16.28	Roadway Bracket Design			0		0		
16.29	Main Girder Influence Lines			0		0		
16.30	Main Girder Design			0		0		
16.31	Trunnion Girder Design			0		0		
16.32	Main Girder Camber Data			0		0		
16.33	Leaf Lateral Bracing Design			0		0		
16.34	Counterweight Design			0		0		
16.35	Live Load Shoe Design			0		0		
16.36	Barrier Design			21.5		21.5		
16.37	Deck Elevations			0		0		
16.38	Balance Calculations			41.5		41.5		

Exhibit "A" – Page 18 of 43

Project Activity 16: Structures - Movable Span

FDOT Activity 16		Replace Electrical Control System	Rack Gear Support	Widen Existing Bascule Span	Control House Relocate	Modifications to Bascule Span	Load Ratings	Control House Study
FDOT Task No. Task		Corresponding Camino Real/Boca Club Bridge Rehabilitation Task Number						
		5	8	16	17A	18	19	22
Bascule Leaf Detailing								
16.39	Bascule GP&E			9.5		9.5		
16.40	Bascule Leaf Notes			7.5		7.5		
16.41	Framing Plan			25.5		25.5		
16.42	Flooring Plan and Details			37.5		37.5		
16.43	Typical Section and Finish Grade Elevations			17.5		17.5		
16.44	Girder Elevation			13.5		13.5		
16.45	Girder Details			0		0		
16.46	Camber Layout			0		0		
16.47	Floor Beams			0		0		
16.48	Counterweight Girder/Box			0		0		
16.49	Trunnion Girder			0		0		
16.50	Cylinder Girder			0		0		
16.51	Lateral Bracing Details			0		0		
16.52	Counterweight Bracing Details			0		0		
16.53	Joint Details			0		0		
16.54	Traffic Barrier Details			46.5		46.5		
16.55	Pedestrian Rail and Support Details			0		0		
16.56	Curb and Sidewalk Details			0		0		
16.57	Barrier and Sidewalk Bracket Details			13.5		13.5		
16.58	Counterweight Details			17.5		17.5		
16.59	Stress Table or Influence Lines			0		0		

Exhibit "A" – Page 19 of 43

Project Activity 16: Structures - Movable Span

		Replace Electrical Control System	Rack Gear Support	Widen Existing Bascule Span	Control House Relocate	Modifications to Bascule Span	Load Ratings	Control House Study
		Corresponding Camino Real/Boca Club Bridge Rehabilitation Task Number						
FDOT Task No.	Task	5	8	16	17A	18	19	22
Mechanical Design								
16.60	Final Power Requirements			3.5		3.5		
16.61	Trunnion Assembly			0		0		
16.62	Span Locks			0		0		
16.63	Sump Pumps			0		0		
16.64	Drive Shafts, Couplings, Keys, Bearings and Supports			11.5		11.5		
16.65	Rack & Pinion, Bearings and Supports		11.5	5.75		5.75		
16.66	Drive Train			11.5		11.5		
16.67	Motor Brakes & Machinery Brakes			11.5		11.5		
Electrical Design								
16.75	Load Analysis	43						
16.76	Power Distribution	123						
16.77	Drive Equipment	63						
16.78	Bridge Controls	253						
16.79	Grounding	39						
16.80	Lightning and Surge Suppression	43						
16.81	Pier Lighting	0						
Electrical Detailing								
16.82	Electrical Plan and Elevation	63						
16.83	Electrical Symbols and Abbreviations	15						
16.84	Single Line Diagram	99						
16.85	Panelboard and Light Fixture Schedules	27						
16.86	Wire and Conduit Schedules and Diagrams	195						
16.87	Control Desk/Panel Layout	128						
16.88	Control Schematics	483						
16.89	PLC Logic	0						
16.90	Communication System	35						
16.91	Navigation Lighting Details	15						
16.92	Traffic Gates	19						
16.93	Submarine Cable	43						
16.94	Miscellaneous Details	194			97			

Exhibit "A" - Page 20 of 43

Project Activity 16: Structures - Movable Span

		(R)		(R)				
		Replace Electrical Control System	Rack Gear Support	Widen Existing Bascule Span	Control House Relocate	Modifications to Bascule Span	Load Ratings	Control House Study
		Corresponding Camino Real/Boca Club Bridge Rehabilitation Task Number						
FDOT Activity 16		5	8	16	17A	18	19	22
FDOT Task No.	Task							
Control House								
16.95	Architectural Design							
16.96	Architectural Details							
16.97	Structural Design							
16.98	Structural Details							
16.99	HVAC/Plumbing Design				43			
16.100	HVAC/Plumbing/Electrical Details				67			
Load Rating								
16.102	Load Ratings						103	

		Task Breakdown for FDOT Activity 16								
		Replace Electrical Control System	Rack Gear Support	Widen Existing Bascule Span	Control House Relocate	Modifications to Bascule Span	Load Ratings	Control House Study		Total
Corresponding Task No.		5	8	16	17A	18	19	22		
Total Hours Per Task		✓ 1880	✓ 11.5	✓ 352.75	✓ 207	✓ 352.75	✓ 103	0		✓ 2907
Fee Per Task		✓ \$ 227,235.60	✓ \$ 1,390.01	✓ \$ 42,836.89	✓ \$ 25,020.09	✓ \$ 42,836.89	✓ \$ 12,449.61	\$ -		✓ \$ 351,369.09

(R)

(R)

All at a rate of \$120.87

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HARDESTY & HANOVER

CAMINO REAL ROAD / BOCA CLUB BRIDGE OVER ICWW
BACK-UP FOR ITEM #22

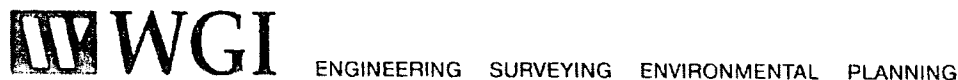
Exhibit "A" – Page 22 of 43

ACTIVITY	CHIEF ENGINEER	PROJECT MANAGER	PROJECT ENGINEER	TOTAL HOURS BY ACTIVITY	LABOR COST BY ACTIVITY
	\$195.00	\$185.00	\$95.00		
Control House Location Study Pro/Con northeast vs southeast	8.0	8.0	6.0	22.0	\$3,610.00
TOTAL MANHOURS	8.0	8.0	6.0	✓ 22.0	
DIRECT LABOR COST	✓ \$1,560.00	✓ \$1,480.00	✓ \$570.00		✓ \$3,610.00

✓ \$3,610.00

Exhibit "A" – Page 23 of 43

WANTMAN GROUP, INC



Mr. Brian Rheault, PE
Bridge Design Associates, Inc.
1402 Royal Palm Beach Blvd.
Royal Palm Beach, Florida 33411

April 17, 2014

**Subject: Professional Engineering and Surveying Service Proposal
East Camino Real Bridge, Boca Raton, Florida**

Dear Brian,

Wantman Group, Inc. is pleased to have the opportunity to submit our proposal for Professional Engineering, Subsurface Utility Location and Surveying Services for the above referenced project. It is our understanding that WGI will provide you a survey of the area from the center of the round-about west of the bridge, east to the intersection of Camino Real Drive and Coconut Road including a scan of the bridge and associated support structures and a hydrographic survey extending out 25-feet from the fenders on both the north and south sides of the bridge. In addition, WGI will provide design and permitting services for the roadway, sidewalks, parking lot, water and wastewater services between the limits of the project as described above. Included in the design services will be a study of the various options for the location of the parking spaces for the bridge tender and maintenance vehicles.

It is understood that this proposal does not include any design services or the coordination of utility relocation and permitting of water mains, force mains, reclaimed water mains or any other type of communication or power lines located within the area of the proposed project.

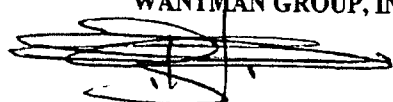
Attached are a SCOPE OF SERVICES (attached) to be provided and the AGREEMENT PROVISIONS (attached) for these services. The scope of services is predicated on the project being performed in accordance with the applicable codes and permitting requirements in force at the time of the agreement.

All fees quoted in this agreement are applicable for six months from date of agreement. At that time fees are reviewed and adjusted accordingly. Any hourly charges or reimbursable costs shall be subject to the CURRENT FEE SCHEDULE (attached) in effect at the time services are performed.

Upon acceptance of this proposal along with the attached "Contract Provisions" and our current "Fee Schedule", please sign one copy and return to this office. Please note that the Contract Provisions are part of this contract unless both parties expressly waive them in writing prior to commencement of work. If you have any questions regarding this or any other matter, please do not hesitate to call me at the number below. We look forward to working with you on this Project.

Sincerely,

WANTMAN GROUP, INC.



Brian J. LaMotte, P.E.
Senior Project Manager

This Proposal accepted this ___ day of ___ 2014

By: _____

Bridge Design Associates, Inc.

Print Name: _____

Title: _____

Attachment Wantman Group, Inc Scope of Services, Agreement Provisions and Fee Schedule

**SCOPE AND FEES FOR SERVICES
EXHIBIT "A"
East Camino Real Bridge, Boca Raton, Florida**

SITE TOPOGRAPHIC SURVEY PHASE

- 1) Recover and/or set horizontal and vertical survey control and contractor benchmarks. The horizontal datum shall be the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 Adjustment 2007 (NAD83/2007). The Vertical Datum shall be the North American Vertical Datum of 1988 (NAVD88). A minimum of four (4) site benchmarks will be provided and tied to the baseline of survey.
- 2) Provide delineation of existing right-of-way of Camino Real Road per existing plats and recovered property corners. Develop a baseline of survey for the project and relate the baseline to the project datums and the existing right-of-way.
- 3) Provide a topographic / route survey from Royal Palm Way to 50 feet east of Coconut Road. The topographic survey will extend from right-of-way to right-of-way along Camino Real Road, and will extend to 50 feet beyond the return of curve along adjoining side streets. Cross sections will be obtained every 100 feet, more or less.
- 4) Provide single frequency hydrographic survey of channel from 25 feet north of the bridge limits to 25 feet south of the bridge limits
- 5) Provide utility designates (Quality Level B) for all utilities within the project limits.
- 6) Provide a bridge detail survey of the Camino Real Bascule Bridge. Specifically, bridge components to be surveyed shall include the following:
 - Gutter line location and elevations
 - Coping line location and bridge deck thickness
 - Barrier wall/railing location and height
 - Bridge deck elevations along the centerline of bridge
 - Bascule span limits and skew angles
 - Approach slab location and elevations
 - Abutment / face of back barrier wall locations and elevations
 - Pier/pile locations and dimensions
 - Pier/pile cap locations and dimensions
 - Outside beam location and dimensions
 - Centerline of fenders
 - Bridge detail drawings will be delivered in both plan and profile view.

SURVEY LUMP SUM FEE.....\$39,070

(B)

OPTIONAL UTILITY LOCATING PHASE

Optional Utility Locating Service – Provide 24 utility test holes (Quality level A) within upland limits of the project to clear roadway/structural conflicts. Provide 14 subaqueous utility locations (Quality Level A) to clear in-stream improvements and conflicts.

OPTIONAL UTILITY LOCATING FEE..... \$15,000

ROADWAY DESIGN PHASE

1. Prepare construction plans including a new stormwater collection and treatment system for both the roadway and bridge deck, review of the bridge warning signal plan, provide new parking areas for the bridge tenders and maintenance vehicles (4 spaces and location to be determined), re-grade and design a new roadway section on both sides of the bridge, re-align, grade and adjust the sidewalks and drainage conveyance swales on both sides of East Camino Real to include the following:
 - Key sheet
 - Typical sections, details and notes
 - Summary of quantities
 - Plan sheet
 - Profile sheet
 - Miscellaneous details
 - Cross sections
 - Erosion control plan and details
 - Signing and Marking plans
 - Drainage design, details and calculations
 - Cost estimate

NOTE: Plans will be prepared to correspond with Palm Beach County's submittal sequence of: 35% Design Phase, 65% Design Phase, 96% Design Phase, 100% Design Phase and Final Design Phase and will include the services listed above.

2. Permitting:
 - Prepare water distribution and wastewater collection permit applications and obtain approvals from the City of Boca Raton Utilities Department.
 - Submit permit applications to the Palm Beach County Health Department for approval.
3. Prepare a pro-con study to identify issues affecting the proposed location of the new bridge tender and maintenance vehicles.

ROADWAY DESIGN AND PERMITTING LUMP SUM FEE..... \$46,955

MEETING ATTENDANCE

- Attend meetings with the City of Boca Raton Engineering Department
- Attend meetings with Palm Beach County Roadway Division
- Attend meetings at the Boca Raton Historical Resource Review Board and the Boca Raton Historical Society.
- Attend meetings with various agencies and City to discuss the relocation of utilities.

MEETING ATTENDANCE LUMP SUM FEE..... \$ 3,000 R

REIMBURSABLES

This proposal is based on the following:

- This project will be considered as a No Notice permit by SFWMD.
- This project will be designed and permitted in one phase.
- Limits of the design will be from the eastern edge of the round-a-bout west of the bridge and to
- No retaining walls or structural design are anticipated.
- No traffic control plans are required.
- No coordination with the FDEP, ACOE and FIND is anticipated.
- The plans will be prepared utilizing AutoCAD software.
- All permit fees are to be paid for by Palm Beach County and are not included in this proposal.
- No lift station design is included in the proposal. It is assumed that the City of Boca Raton's existing gravity wastewater collection infrastructure will be sufficient to serve the re-located bridge tender building.

Camino Real Bridge Replacement - Civil Design Fees						
Prepared by: Brian J. LaMotte, PE						
Date: February 10, 2014 (Revised April 17, 2014)						
		\$ 225.00	\$ 175.00	\$ 150.00	\$ 110.00	
PHASE	TASK DESCRIPTION	Principal Engineer	Senior Project Engineer, PE	Sr. Professional Engineer	Project Engineer	TOTAL
1	Preliminary Phase					
a	Field Reconnaissance			3		\$ 450
b	Utility Coordination/Collect As-builts			2		\$ 300
d	Meetings with City of Boca Raton (2 @ each at 4 hours ea)		8			\$ 1,400
e	Design Meeting and Coordination with BDA		3	3		\$ 975
	PRELIMINARY DESIGN SUBTOTAL	\$ -	\$ 1,925	\$ 1,200	\$ -	\$ 3,125
2	35% Design Phase w/ Parking Options					
a	Plans & Details, Signing & Marking Plan		4	24	60	\$ 10,900
b	Specifications		4	4	8	\$ 1,480
c	Cost Estimate		4	4	8	\$ 1,480
d	Meetings with Boca Raton Engineering to Discuss Parking Options		8			\$ 1,400
e	QA/QC		2		4	\$ 790
	35% DESIGN SUBTOTAL	\$ -	\$ 2,450.00	\$ 4,800.00	\$ 8,800.00	\$ 16,050
3	65% Design Phase					
a	Plans & Details, Signing & Marking Plan (Includes review of Signal Design)		4	16	32	\$ 9,820
b	Specifications		4	4	4	\$ 1,040
c	Cost Estimate		8	8	8	\$ 1,560
d	QA/QC		2		4	\$ 790
	60% DESIGN SUBTOTAL	\$ -	\$ 1,050.00	\$ 3,900.00	\$ 6,080.00	\$ 10,010
4	95% Design Phase					
a	Plans & Details, Signing & Marking Plan (Includes review of Signal Design)			12	24	\$ 4,440
b	Specifications			2	6	\$ 960
c	Cost Estimate		2	4	4	\$ 1,040
d	QA/QC				4	\$ 790
	80% DESIGN SUBTOTAL	\$ -	\$ 350.00	\$ 2,700.00	\$ 4,180.00	\$ 7,230
5	100% Design Phase					
a	100% Plans & Details, Signing & Marking			4	15	\$ 2,360
b	100% Specifications			1	4	\$ 590
c	100% Cost Estimate			4	4	\$ 1,040
d	100% QA/QC		2	1	2	\$ 720
	100% DESIGN SUBTOTAL	\$ -	\$ 350.00	\$ 1,500.00	\$ 2,880.00	\$ 4,710
	SUBTOTAL FOR PHASE 1-5					\$ 41,125
6	Final Design Phase					
a	Final Design Plans & Details, Signing and Marking			4	12	\$ 1,920
b	Final Specifications			2	4	\$ 740
c	Final Cost Estimate			4	4	\$ 1,040
d	Final QA/QC		2		2	\$ 570
	FINAL DESIGN PHASE SUBTOTAL	\$ -	\$ 350.00	\$ 1,500.00	\$ 2,420.00	\$ 4,270
7	Permitting					
a	City of Boca Raton Engineering			6	6	\$ 1,580
	PERMITTING	\$ -	\$ -	\$ 900.00	\$ 680.00	\$ 1,580
	SUBTOTAL FOR PHASE 1-7	\$ -	\$ 6,475.00	\$ 18,500.00	\$ 23,980.00	\$ 49,955
a	Meetings			20		\$ 3,000
	TOTAL	\$ -	\$ 6,475	\$ 18,500	\$ 23,980	\$ 49,955

\$46,955

Exhibit "A" - Page 29 of 43

Project Fee Schedule: Sheet 1

WANTMAN GROUP, INC.

Task/Item	Principal Surveyor	Senior Professional Surveyor	Survey Intern	3-Person Survey Crew	Vacuum Excavation Crew	Utility Designating Crew	Task Total
2015 WGR Rates	\$ 200.00	\$ 150.00	\$ 90.00	\$ 150.00	\$ 180.00	\$ 120.00	
Horizontal and Vertical Control	1	4	4	10			\$ 2,660.00
Existing Right of Way Survey	1	4	12	20			\$ 4,880.00
Surface Topography and DIMS	1	4	8	40			\$ 7,520.00
Utility Designating		2	4	10		30	\$ 5,760.00
Hydrographic Survey	1	4	12	20			\$ 4,880.00
Bridge Detail Survey (Laser Scans)	1	6	24	20			\$ 6,260.00
Drawing and Map Production	1	2	16				\$ 1,940.00
Quality Control & Coordination	2	6	32				\$ 4,180.00
Final Certified Deliverables		3	6				\$ 990.00
Subaqueous Utility Test Holes and Utility Locating (Optional) *							\$ 15,000.00 *
Total Hours	8	35	118	120	0	30	
Cost by Position (basic services)	\$ 1,600.00	\$ 5,250.00	\$ 10,620.00	\$ 18,000.00	\$ -	\$ 3,600.00	\$ 39,070.00
Total Cost (including optional services)							\$ 54,070.00

* (D)
* (P)

Exhibit "A" – Page 31 of 43

ISIMINGER & STUBBS, INC.



PRINCIPALS:
Charles C. Isiminger, P.E.
Darwin C. Stubbs, P.E.

COASTAL • ENVIRONMENTAL • MARINE

January 31, 2014

ASSOCIATES:
Mark A. Powell, P.E.
Matthew D. Butler, P.E.

VIA E-MAIL

Bridge Design Associates, Inc.
1402 Royal Palm Beach Blvd., Building 200
Royal Palm Beach, Florida 33411
Attn: Brian Rheault, P.E.

Re: Environmental Permit and U.S. Coast Guard Authorization Applications and Processing
Proposed Bridge Repair
Boca Club Bridge – AICWW
Boca Raton, Palm Beach County, Florida

Gentlemen:

We are pleased to submit the following proposal for professional services in connection with environmental permit and U.S. Coast Guard authorization application and processing, for the proposed bridge repair at the referenced site. ISIMINGER & STUBBS ENGINEERING, INC., hereinafter referred to as the Engineer, proposes to furnish professional services for BRIDGE DESIGN ASSOCIATES, INC., hereinafter referred to as the Client, of the scope outlined below for the fees stipulated herein.

SCOPE OF SERVICES

The Engineer will perform the following:

1. Review existing aerials, plans, surveys, permits, and other materials as may be obtained for the referenced project, and accomplish any necessary on-site reconnaissance, including soundings and seagrass observations.
2. Prepare and submit an Environmental Resource Permit/Certification application (and a sovereignty submerged land authorization application if necessary) to the Florida Department of Environmental Protection (DEP) or the South Florida Water Management District (SFWMD), as appropriate pursuant to the operating agreement between DEP and the SFWMD (SFWMD anticipated). Prepare and submit a permit application to the U.S. Army Corps of Engineers (COE). Prepare and submit a Section 9 bridge repair application to the U.S. Coast Guard as necessary.
3. Process the applications with the appropriate agencies (success and timing in permitting are not guaranteed).
4. Other services as may be agreed to between the parties to this agreement.

Proposed services do not include any other authorizations such as local government approval or NPDES permitting. Other regulations should be independently checked by others.

Page 2
Bridge Design Associates, Inc.
January 31, 2014

ITEMS TO BE FURNISHED BY THE CLIENT
AT NO EXPENSE TO THE ENGINEER

Assist Engineer by placing at disposal of same, all available pertinent information including previous permits, reports or any other data relative to the project.

Furnish at no cost to the Engineer, title search and abstract of property; all permit application and governmental inspection fees; data prepared by or services required of others, such as subsurface explorations, laboratory tests and inspections of samples, materials and equipment; appropriate professional interpretations of all of the foregoing; all surveying information including, but not limited to, property, boundary, easement, right-of-way, topographic, permanent reference monuments, permanent control points and utility surveys and property descriptions; zoning and deed restrictions; and other special data, all of which the Engineer may rely upon, if necessary, in performing services.

Designate in writing, if appropriate, a person to act as the Client's representative with respect to the services to be performed under this agreement. Such person shall have complete authority to transmit instructions, receive information, interpret and define the Client's policies and decisions with respect to materials, equipment, elements and systems pertinent to the Engineer's services.

GENERAL CONDITIONS

The attached General Conditions shall apply to this agreement.

FEES TO BE PAID

Except for lump sum items, the Engineer shall be paid for services in accord with the salary schedule shown on the following page (except for work in conjunction with administrative hearings or court proceedings, which shall be billed at higher rates), plus reimbursement for direct non-salary expenses including, but not limited to, automobile travel at the prevailing IRS rate, commercial air travel at cost, long distance telephone, subsistence, printing and reproduction. The salary schedule is subject to periodic revision.

Item 1 will be accomplished for a lump sum price of \$1,580. Item 2 will be accomplished for a lump sum price of \$4,540. Item 3 will be accomplished for a lump sum price of \$14,000. (Total of \$20,120) For purposes of the lump sum fee, the proposed bridge repair must not have direct or indirect or secondary impacts to seagrasses or other significant resources, and no mitigation may be required for impacts. If seagrasses or other significant resources are found, or mitigation is required for impacts to resources, additional services shall be billed at the hourly rates shown on the following page. If a hydrographic (flushing) analysis is required (such as due to concerns over perceived restriction of flow), services required to develop the analysis shall be billed at the hourly rates shown on the following page. If a public hearing, administrative hearing, or court trial is required, services required by one or more of these events shall be billed at the hourly rates shown on the following page. See attached Fee Estimate for lump sum calculation.

HOURLY RATES FOR PERSONNEL COMPENSATION (2014)

Isiminger & Stubbs Engineering, Inc.

Principal Professional Engineer	\$230.00
Senior Professional Engineer	170.00
Professional Engineer	150.00
Engineer Intern	110.00
Junior Engineer	85.00
Drafter (CAD)	65.00
Technician	55.00
Administrative/Researcher	50.00

Hourly rates are subject to revision at the beginning of each calendar year.

Page 3
Bridge Design Associates, Inc.
January 31, 2014

FEES TO BE PAID (CONT.)

The Scope of Services shall be construed narrowly. Services provided for these fees do not include any work required by others such as surveying, soil and water quality sampling, archeological surveys, project team meetings relating to other subjects, or travel beyond that necessary for the narrowly defined Scope of Services.

Payments shall be made upon monthly billing, payable within ten (10) days from the date of invoice. Past due payments shall include interest from the date of invoice at a simple interest rate of 1-1/2 percent per month.

TERMINATION

This agreement may be terminated by either party by giving thirty (30) days advance written notice. The Engineer shall be paid for services rendered to the date of termination on the basis of a reasonable estimate of the portion of services completed prior to termination and shall be paid for all reasonable expenses resulting from such termination and for any unpaid reimbursable expenses.

ACCEPTANCE

Acceptance of this proposal may be indicated by the signature of the Client in the space provided below. One signed copy of this proposal, returned to the Engineer, will serve as an agreement between the parties and as Notice to Proceed. Should this proposal not be accepted within a period of 30 days from the above date, it shall become null and void.

Sincerely,

ISIMINGER & STUBBS ENGINEERING, INC.



Charles C. Isiminger, P.E.

14002.BDABCB.PRO
cc: Addressee

ACCEPTED BY:
Bridge Design Associates, Inc.

Printed Name of Person Signing: _____

Signed: _____

Date: _____



ISIMINGER & STUBBS ENGINEERING, INC.

PRINCIPALS:
Charles C. Isiminger, P.E.
Darwin C. Stubbs, P.E.

COASTAL • ENVIRONMENTAL • MARINE

ASSOCIATES:
Mark A. Powell, P.E.
Matthew D. Butler, P.E.

Fee Estimate:

Bridge Design Associates, Inc.
Environmental Permit and U.S. Coast Guard Authorization Applications and Processing
Proposed Bridge Repair
Boca Club Bridge - AICWW
Boca Raton, Palm Beach County, Florida

Scope of Services Items 1 and 2

Item 1

Research and Review Documents –

Principal Professional Engineer – 1 hrs. at \$230/hr.	✓	\$ 230
Professional Engineer – 1 hrs. at \$150/hr.	✓	\$ 150
Engineer Intern – 1 hrs. at \$110/hr.	✓	\$ 110
Administrative/Researcher – 1 hrs. at \$50/hr.	✓	\$ 50

On-site Reconnaissance –

Professional Engineer – 4 hrs. at \$150/hr.	✓	\$ 600
Engineer Intern – 4 hrs. at \$110/hr.	✓	\$ 440

Total - ✓ **\$1,580**

Item 2

Prepare and Submit Permit Applications –

Principal Professional Engineer – 2 hrs. at \$230/hr.	✓	\$ 460
Professional Engineer – 6 hrs. at \$150/hr.	✓	\$ 900
Engineer Intern – 28 hrs. at \$110/hr.	✓	\$3,080
Administrative/Researcher – 2 hrs. at \$50/hr.	✓	\$ 100

Total - ✓ **\$4,540**

✓ \$6,120.00

14002.BDABCB.FE.01

Exhibit "A" – Page 37 of 43

TETRA TECH, INC.



January 24, 2014

Sasha Kishore
Bridge Design Associates, Inc.
1402 Royal Palm Beach Blvd. (Bld. 200)
Royal Palm Beach, Florida 33411

**Subject: Agreement for Services: Bascule Piers and Fender Inspection
Boca Club Bridge - Camino Real, Boca Raton**

Dear Sasha,

This letter is intended to serve as our agreement for services to support your inspection of both bascule piers and both fenders servicing the Boca Club Bridge in Boca Raton, Florida. We will provide a 4-man dive team, and all of the equipment necessary to perform, video, and record the dive for \$ 3,500 / day. Because of the height of the bridge and the roadway traffic we will perform this inspection from one of our service boats.

It is expected that this work will be completed in 2 day(s). We will bill you in full day increments approximately two-weeks after the completion of the inspection.

We do not anticipate the need for nuisance animal security services and no fee for this activity will be charged without your written authorization. If this proposal is acceptable to you please sign the attached Terms and Conditions and return one copy to us as your authorization to proceed. If you have any questions or need any additional information, please contact me at (772) 781-3404.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stuart E. McGahee'.

Stuart E. McGahee PE
Project Engineer

✓ \$ 7,000 R

Exhibit "A" – Page 39 of 43

DUNKELBERGER TESTING & ENGINEERING

DUNKELBERGER
engineering & testing, Inc.
www.dunkelberger-engineering.com

- Fort Lauderdale
- Port Saint Lucie
- Sarasota
- West Palm Beach

Bridge Design Associates
1402 Royal Palm Beach Boulevard, Building 200
Royal Palm Beach, FL. 33411

August 18, 2011
Project No. WPB-11-8154

Attention: Mr. Brian Rheault, P.E.

Subject: **Scope for Geotechnical Engineering Services**
Camino Real Bascule Bridge Rehabilitation Project
Boca Raton, Florida

Gentlemen:

INTRODUCTION

Pursuant to your request, Dunkelberger Engineering & Testing, Inc. (**Dunkelberger**) is pleased to present this scope of work for the subject project. This letter provides a scope of work and a time frame for its execution. Compensation for the services is also discussed herein, using the unit rates included in our continuing services contract with Palm Beach County.

SCOPE OF SERVICES

Our work will consist of three primary tasks which include 1) subsurface exploration and laboratory testing, 2) preparation and submittal of the geotechnical engineering baseline report, and 3) preparation of geotechnical oriented specifications for the project. The geotechnical engineering baseline report will include information derived from the following tasks:

1. Research of existing subsurface data in the project vicinity. This will include aerial photographs, the Soil Survey of Palm Beach County Area, and geotechnical reports for nearby projects.
2. Drilling four 75-foot deep engineering boring in accordance with ASTM D 1586 (the Standard Penetration Test). Two of the borings will be located on the existing bridge deck and therefore will require coring through the deck and subsequent restoration of the deck (it is assumed that the deck restoration will be performed by the County). The other two borings will be located landward of the bridge end bents. The boreholes will be grout sealed with neat cement upon completion.

Drill four auger profile borings to 10 feet below grade within the planned Camino Real roadway improvements just west and east of the bridge. Two borings will be located west of the bridge and two will be located east of it.
3. Representative samples of the subsurface materials will be taken and tested in the laboratory for index properties such as moisture content, organic content, grain size distribution and the corrosion series (i.e. pH, resistivity, sulfates and chlorides).

Camino Real Bascule Bridge
Project No. WPB-11-8154

Page 2

4. Completion of a geotechnical engineering evaluation of the subsurface conditions in light of the proposed foundation construction. The evaluation will include determination of the bearing capacity of an auger cast piling foundation system that is socketed into the subsoils and/or rock, a prediction of the load - settlement performance of the piling, and recommendations for installation of the piling.

A global stability analysis of the proposed gravity retaining wall to be located on the eastern side of the bridge.

5. Compilation of the information from the research, the results of the field and laboratory test data and the geotechnical engineering evaluation into the baseline geotechnical engineering report. The report will include geotechnical related design criteria for the proposed bridge foundation modifications.

We have assumed that Palm Beach County Engineering & Public Works Department will provide the following:

1. Closure of the subject bridge (or at least a vehicular lane) to automobile traffic during the days required for Dunkelberger to complete this assignment.
2. Maintenance of traffic around the work site.
3. Not require that a right-of way use permit be obtained by Dunkelberger.
4. Repair the two holes that will be cored through the concrete deck.

The County will be notified two weeks in advance of the date(s) of the field work.

A technical specification will be provided for the augercast piling installation for incorporation into the construction contract documents.

SCHEDULE

Based upon the scope of work outlined above, we anticipate approximately one month duration for marking the boring locations, clearing them for underground utilities, and for advance notice to the County of the bridge closure. The subsurface exploration program will require one week for completion. The draft geotechnical engineering baseline report will be submitted 4 weeks from start of the field exploration. Preparation of the technical specification will follow the requirements of Bridge Design Associates' project manager.

COMPENSATION AND OTHER TERMS

The work scope outlined above will be invoiced on a fixed fee basis in accordance with the following items and deliverables. The fee estimate is shown in detail on Sheet 1, attached. Unit rates shown on Sheet 1 are consistent with our current continuing services contract with Palm Beach County.

DUNKELBERGER

Camino Real Bascule Bridge
Project No. WPB-11-8154

• Project Start Up and Mobilization	✓ \$ 1,606.24
• Field Exploration for Structures	✓ \$ 8,647.04
• Laboratory Work	✓ \$ 1,440.88
• Geotechnical Report	✓ \$ 9,760.08
• Technical Specifications	✓ \$ 1,015.68
• Total	✓ \$22,469.92

Invoices for the services are due and payable upon receipt. Invoices not paid within 30 days of their date will be assessed a finance charge of one percent per month, or fraction thereof, for each month beyond 30 days past due. Invoices not paid within 60 days will result in Dunkelberger stopping work until such invoices are paid in full. Invoices not paid within 90 days of their date will be referred for collection. The client will be responsible for all expenses incurred by us in the collection of any unpaid invoice, including the actual attorneys' fees and costs charged by our legal counsel.


Other terms and conditions related to the engagement of our services are discussed in the General Conditions, Sheet 2. The General Conditions are hereby incorporated into and made part of the proposal.

Dunkelberger appreciates the opportunity to submit this proposal and looks forward to rendering the services described herein. We trust that the proposal contents are clear and understandable. If the proposal is satisfactory, kindly sign and return it to us.

Sincerely,

DUNKELBERGER ENGINEERING & TESTING, INC.


Jaime Velez, P.E.
Project Engineer


Kevin E. Aubry, P.E.
Geotechnical Services Manager

Attachments: Sheet 1 - Fee Schedule
Sheet 2 – General Conditions

Accepted this _____ day of _____ 2011

Company

Signature

Name and Title

**SOILS SURVEY AND GEOTECHNICAL WORK
CAMINO REAL BASCULE BRIDGE REHABILITATION PROJECT
DUNKELBERGER ENGINEERING & TESTING, INC.**

18-Aug-11
J. Velez

ITEM DESCRIPTION	UNITS	AMOUNT	UNIT RATE	FEE
I. PROJECT START-UP & MOBILIZATION				
A. Stake Borings and Utility Clearance				
1. Senior Engineering Technician	hours	8	\$ 62.89	\$ 503.12
B. Drill Rig Mobilization				
1. CME 55 Truck	each	1	\$ 350.00	\$ 350.00
C. Coring Through Bridge Deck and Asphalt	hours	8	\$ 62.89	\$ 503.12
D. Coring Machine plus Generator	each	1	\$ 250.00	\$ 250.00
SUBTOTAL- PROJECT START UP & MOBILIZATION				\$ 1,606.24
II. FIELD EXPLORATION FOR STRUCTURES				
A. SPT Borings (4 to 75 feet deep)				
1. 0 to 50 feet deep	feet	180	\$ 12.00	\$ 2,160.00
2. 50 to 100 feet deep	feet	100	\$ 14.00	\$ 1,400.00
B. Casing Installation				
1. 0 to 50 feet deep	feet	200	\$ 5.50	\$ 1,100.00
2. 50 to 100 feet deep	feet	0	\$ 8.00	\$ -
C. Grout Seal Boreholes				
1. 0 to 50 feet deep	feet	180	\$ 4.00	\$ 720.00
2. 50 to 100 feet deep	feet	100	\$ 5.00	\$ 500.00
D. Auger Borings (4 to 10 feet deep)	feet	40	\$ 9.00	\$ 360.00
E. Staff Engineer	hours	32	\$ 75.22	\$ 2,407.04
SUBTOTAL- FIELD EXPLORATION FOR STRUCTURES				\$ 8,647.04
III. LABORATORY WORK				
A. Visual Engineering Classification				
1. Staff Engineer	hours	4	\$ 75.22	\$ 300.88
B. Moisture Content Test	each	12	\$ 10.00	\$ 120.00
C. Organic Content Test	each	4	\$ 50.00	\$ 200.00
D. Grain Size Distribution	each	8	\$ 65.00	\$ 520.00
E. Atterberg Limits	each	0	\$ 75.00	\$ -
F. Corrosion Series	each	2	\$ 150.00	\$ 300.00
SUBTOTAL-LABORATORY WORK				\$ 1,440.88
IV. GEOTECHNICAL ENGINEERING				
A. Principal Engineer	hours	8	\$ 148.03	\$ 1,168.24
B. Senior Geotechnical Engineer	hours	24	\$ 124.77	\$ 2,994.48
C. Engineer, P.E.	hours	44	\$ 84.64	\$ 3,724.16
G. Staff Engineer	hours	20	\$ 75.22	\$ 1,504.40
E. Senior Engineering Technician	hours	0	\$ 62.89	\$ -
F. CADD Drafting	hours	16	\$ 63.72	\$ 1,019.52
G. Engineering Technician	hours	8	\$ 45.62	\$ 364.96
SUBTOTAL-GEOTECHNICAL ENGINEERING				\$ 10,775.76
TOTAL-SOILS SURVEY AND GEOTECHNICAL WORK				\$ 22,469.82

Note: Drilling depths measured from bridge deck. Assume ten vertical feet from bridge deck to mudline for two borings.

30 multiple

(R)

PARTICIPATION FOR MWBE/SBE CONSULTANTS

Supplement Number 2 Date

Project Name: Camino Real Road / Boca Club Bridge over Intracoastal Waterway **Project Number:** 2003501
Prime Vendor: Bridge Design Associates, Inc. **Resolution Number:** R2012-
Telephone: (561) 686-3660 **Resolution Date:** 3/6/2012
Contact: Brian Rheault **Department:** Engineering & Public Works

Total Supplement Amount \$906,050.01

Minority Sub-Consultant	Type of Work Performed	Contract Dollar Amount for Sub-Consultant					Pct
		Black	Hispanic	Women	Other	White Male	
Bridge Design Associates, Inc. 1402 ROYAL PALM BEACH BLVD BL ROYAL PALM BEACH, FL 33411 (561) 686-3660	MWBE	0.00	0.00	0.00	0.00		0.0%
	SBE	0.00	0.00	0.00	0.00	393,406.00	43.4%
Bridge Design Associates, Inc. 1402 ROYAL PALM BEACH BLVD BL ROYAL PALM BEACH, FL 33411 (561) 686-3660	MWBE	0.00	0.00	0.00	0.00		0.0%
	SBE	0.00	0.00	0.00	0.00	4,050.00	0.4%
	Total MWBE	0.00	0.00	0.00	0.00		0.0%
	Percentage	0.00%	0.00%	0.00%	0.00%		
	Total SBE	0.00	0.00	0.00	0.00	397,456.00	43.9%
	Percentage	0.00%	0.00%	0.00%	0.00%	43.87%	



CERTIFICATE OF LIABILITY INSURANCE

BRIDG-2 OP ID: KL

DATE (MM/DD/YYYY)
11/14/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER ACEC/MARSH 701 Market St., Ste. 1100 St. Louis, MO 63101	Phone: 800-338-1391 Fax: 888-621-3173	CONTACT NAME: PHONE (A/C, No, Ext): E-MAIL: ADDRESS:	FAX (A/C, No):
INSURED Bridge Design Associates, Inc. 1402 Royal Palm Beach Bldg 200 Royal Palm Beach, FL 33411		INSURER(S) AFFORDING COVERAGE INSURER A: New Hampshire Insurance Co INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	NAIC # 23841

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL. SUBR. INSR. WVD.	POLICY NUMBER	POLICY EFF. (MM/DD/YYYY)	POLICY EXP. (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY COMMERCIAL GENERAL LIABILITY CLAIMS-MADE OCCUR GEN'L AGGREGATE LIMIT APPLIES PER POLICY, PRO. LOC.					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$
	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS HIRED AUTOS SCHEDULED AUTOS NON OWNED AUTOS					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB EXCESS LIAB OCCUR CLAIMS-MADE DED. RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	<input type="checkbox"/> Y/N <input checked="" type="checkbox"/> N/A				WC STATUTORY LIMITS OTHER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Professional Liability		28392302-1	11/27/2013	11/27/2014	Claim 1,000,000 Aggregate 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

This policy covers the professional services of the Named Insured for all projects & the limits of liability shown shall not be construed to be applied to a particular project. Professional Liability is written on a claims-made reported basis "For All Projects with Palm Beach County" Retroactive Date for Professional Liability is 01/01/1988.

CERTIFICATE HOLDER

PALM

Palm Beach County Board of
 County Commissioners c/o
 Engr & Public Works Dept.
 2300 North Jog Rd.
 West Palm Beach, FL 33411

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



CERTIFICATE OF LIABILITY INSURANCE

OP ID: BH

DATE (MM/DD/YYYY)
05/06/13

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER ACEC/MARSH 701 Market St., Ste. 1100 St. Louis, MO 63101 Kevin P. Woolley	800-338-1391 888-621-3173	CONTACT NAME: PHONE (A/C, H.S., Ext): FAX (A/C, No): ADDRESS: PRODUCER CUSTOMER ID #: BRIDG-2	INSURER(S) AFFORDING COVERAGE NAIC # INSURER A: Hartford Insurance Company 22357 INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:
INSURED Bridge Design Associates, Inc. 1402 Royal Palm Beach, Bldg 200 Royal Palm Beach, FL 33411			

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

RISK	TYPE OF INSURANCE	ADDL	POLICY NUMBER	POLICY EFF	POLICY EXP	LIMITS	
CTR		INSR		(MM/DD/YYYY)	(MM/DD/YYYY)		
A	<input checked="" type="checkbox"/> GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC		84SBWPG2904 PROFESSIONAL LIAB EXCL	05/25/13	05/25/14	EACH OCCURRENCE	\$ 1,000,000
						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000
						MED EXP (Any one person)	\$ 10,000
						PERSONAL & ADV INJURY	\$ 1,000,000
						GENERAL AGGREGATE	\$ 2,000,000
						PRODUCTS - COMPROP AGG	\$ 2,000,000
							\$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS		84UEGAU0584	05/25/13	05/25/14	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
						BODILY INJURY (Per person)	\$
						BODILY INJURY (Per accident)	\$
						PROPERTY DAMAGE (Per accident)	\$
							\$
							\$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$ 10,000		84SBWPG2904	05/25/13	05/25/14	EACH OCCURRENCE	\$ 3,000,000
						AGGREGATE	\$ 3,000,000
							\$
							\$
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A	84WEGBR0658	05/25/13	05/25/14	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER	
						E.L. EACH ACCIDENT	\$ 1,000,000
						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
						E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Re: All Palm Beach County Projects - Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its officers, employees and agency are included as additional insured for above coverages except WC as required by written contract.

CERTIFICATE HOLDER PALM Palm Beach County Board of County Commissioners c/o Engr & Public Works Ops/Rdwy 2300 North Jog Rd. West Palm Beach, FL 33411	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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CERTIFICATE OF LIABILITY INSURANCE

OP ID: BH

DATE (MM/DD/YYYY)
04/08/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER ACEC/MARSH 701 Market St., Ste. 1100 St. Louis, MO 63101 Kevin P. Woolley		Phone: 800-338-1391 Fax: 888-621-3173	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: PRODUCER CUSTOMER ID #: BRIDG-2
INSURED Bridge Design Associates, Inc. 1402 Royal Palm Beach, Bldg 200 Royal Palm Beach, FL 33411		INSURER(S) AFFORDING COVERAGE INSURER A : Hartford Insurance Company INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :	
		NAIC # 22357	

COVERAGES

CERTIFICATE NUMBER:

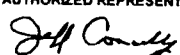
REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> PROFESSIONAL LIAB EXCL GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC		84SBWPG2904	05/25/2014	05/25/2015	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS		84UEGAU0584	05/25/2014	05/25/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$ 10,000		84SBWPG2904	05/25/2014	05/25/2015	EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ 3,000,000 \$ \$
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A	84WEGBR0658	05/25/2014	05/25/2015	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Re: All Palm Beach County Projects - Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its officers, employees and agency are included as additional insured for above coverages except WC as required by written contract.

CERTIFICATE HOLDER**CANCELLATION**

PALM Palm Beach County Board of County Commissioners c/o Engr & Public Works Ops/Rdwy 2300 North Jog Rd. West Palm Beach, FL 33411	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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CAMINO REAL ROAD / BOCA CLUB BRIDGE OVER INTRACOASTAL WATERWAY

Project Name	Days	Start	End	7/15/2014	8/15/2014	9/14/2014	10/15/2014	11/14/2014	12/15/2014	1/15/2015	2/12/2015	3/15/2015	4/14/2015	5/15/2015	6/14/2015	7/15/2015	8/15/2015	9/14/2015	10/15/2015	11/14/2015	12/15/2015	1/15/2016	2/12/2016	3/14/2016	4/13/2016	5/14/2016	6/13/2016	7/14/2016	8/14/2016
PROJECT SCHEDULE																													
Task 1 / HRRB & BRHS Certificate of Appropriateness / Pro-Con Study for Tenderhouse and Parking	270	15-Jul	11-Apr																										
Task 2 / 35% Design Plans	150	11-Apr	8-Sep																										
Task 3 / 65% Design Plans	180	8-Sep	6-Mar																										
Task 4 / 98% Design Plans	120	6-Mar	4-Jul																										
Task 5 / 100% Plans	45	4-Jul	18-Aug																										