

**PORT ST. LUCIE CITY COUNCIL  
AGENDA ITEM REQUEST**

COUNCIL ITEM 13K  
DATE 1/9/12

Meeting Date: January 9, 2012

Public Hearing  Ordinance  Resolution  Motion

Item: #20120007R, Design & Permit Kingsway Waterway Rebid

**Recommended Action:**

- 1) Approve short listed firms by evaluation committee #1 Dredging & Marine Consultants., #2 Creech Engineers Inc. and #3 Keith & Schnars, P.A. and start negotiation with #1 ranked firm Dredging & Marine Consultants. If unable to negotiate a contract with #1 firm to continue to negotiate with #2 and then #3 firms.

Exhibits: Department memo attached [ ] yes [X ] no

Copies of the Bid tabulation Report, Proposals, Specifications, Committee Scores, Minutes on CD, Copies of original bid documents and re- bid documents.

NOTE: Offers from vendors listed herein are the only offers received timely as of the above opening date and time. All other offers submitted in response to this solicitation, if any, are hereby rejected as late.

Summary Explanation/Background Information: The Request for Proposal was advertised December 5, 2011 to Design and Permit Kingsway waterway to firms that were awarded contracts under Master contract #20100050 and #20070049. A proposal notification was sent to 35 suppliers and 17 firms requested proposals. The proposal was opened December 20, 2011 at 3:30 P.M. and 3 firms responded. The evaluation committee met December 27, 2011 at 9:00 A.M. and as a consensus short listed and scored as follows: DMC, Creech, and Keith & Schnars. The evaluation committee voted to conduct interviews with the 3 top scored firms. The evaluation committee held question and answers with the 3 topped scored firms on December 29, 2011 at 2:00 P.M. and consensus ranked the firms as follows: #1 DMC #2 Creech and #3 Keith & Schnars. The committee considered the total knowledge of Design in the area for this project.

The need for the above is:

Purchase is not a replacement

Purchase is budgeted.

Department requests expenditure from the following:

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

Director of OMB concurs with award:     *MS*      
 \_\_\_\_\_ minutes to make a presentation.

City Manager concurs with award: Department requests

Submitted by:  
 Representing Committee

Date Submitted 12/29/11

**RECEIVED**

JAN 04 2012

City Manager's Office

*JAB*

20120007R Design Permit Kingsway WW  
Group Committee Score

December 27, 2011 9 AM

	JA	PK	BM	TOTAL	Rank
<b>Creech</b>					
Criterion	WTG	Points Total	Points Total	Points Total	
History of similar Projects	4	4 16	3 12	3 12	
Assigned Staff Exp Dredging de	4	4 16	5 20	3 12	
Assigend Staff permitting, soil b	4	4 16	4 16	3 12	
Firms Exp procedure with sed	2	3 6	2 4	3 6	
Process enviro assessment & n	2	3 6	2 4	4 8	
Exp endangered species monitr	2	3 6	2 4	3 6	
Firm Response Time	1	5 5	4 4	3 3	
Accepts P-Card	5	1 5	1 5	1 5	
Total		76	69	64	209
Ranking		2	3	2	
<b>DMC</b>					
Criterion	WTG	Points Total	Points Total	Points Total	
History of similar Projects	4	5 20	5 20	4 16	
Assigned Staff Exp Dredging de	4	5 20	3 12	3 12	
Assigend Staff permitting, soil b	4	4 16	5 20	3 12	
Firms Exp procedure with sed	2	4 8	3 6	5 10	
Process enviro assessment & n	2	3 6	5 10	3 6	
Exp endangered species monitr	2	3 6	5 10	3 6	
Firm Response Time	1	5 5	4 4	3 3	
Accepts P-Card	5	0 0	0 0	0 0	
Total		81	82	65	228
Ranking		1	1	2	
<b>Keith &amp; Schnars</b>					
Criterion	WTG	Points Total	Points Total	Points Total	
History of similar Projects	4	3 12	3 12	2 8	
Assigned Staff Exp Dredging de	4	3 12	4 16	3 12	
Assigend Staff permitting, soil b	4	4 16	3 12	3 12	
Firms Exp procedure with sed	2	4 8	5 10	5 10	
Process enviro assessment & n	2	3 6	4 8	4 8	
Exp endangered species monitr	2	3 6	4 8	4 8	
Firm Response Time	1	3 3	2 2	3 3	
Accepts P-Card	5	1 5	1 5	1 5	
Total		68	73	66	207
Ranking		3	2	3	
Creech	209	2	3	2	
DMC	228	1	1	2	
K & S	207	3	2	3	
Committee selected 3 firms for Q & A on 12/29 at 2 PM.					
DMC, Creech & K & S					
Ranking					

# City of Port St. Lucie Design and Permitting Kingsway Canal BID# 20120007R



Q & A Interview  
December 29, 2011  
2:00 P.M.

**DMC**



# DMC Team

- **Dredging & Marine Consultants, LLC**  
Project Management, Dredging Design, Cost Analyses,  
Permitting & Environmental Assessments

- **CAPTEC Engineering, Inc.**  
Drainage, Stormwater Design & Structures

- **Ardaman and Associates, Inc.**  
Slope Stability Analysis & Geotechnical Investigation

- **GCY, Inc.**  
Topographic, Hydrographic & Boundary Surveying

- **Pace Analytical Services, Inc.**  
Sediment and Water Chemical Analysis

**DMC**





# Project Approach

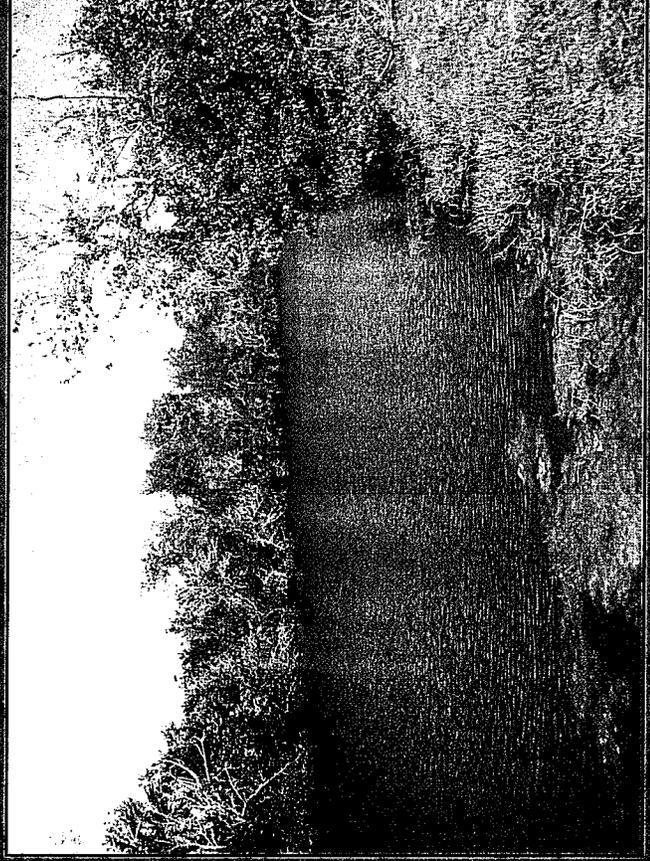
- Project Kickoff Meeting
- Topographic & Hydrographic Surveying
  - State Lands Determination
- Regulatory Agency Pre-Application Meeting
  - Sediment Sampling and Testing
- Environmental Resource and Existing Structure Assessments
  - Drainage Assessment
- Dredge Material Offload and Construction Equipment Access
  - Geotechnical Investigation

# Project Approach (Cont'd)

- Preliminary Design and Permitting
- Cost Estimation and Identifying Grant Funding
- Resident Meetings and Education
- Operation and Maintenance Plan
- Final Design and Technical Specifications
  - Bidding
  - Contractor Selection
  - Construction Inspection
  - Project Closeout

# Current Conditions

## Kingsway Canal

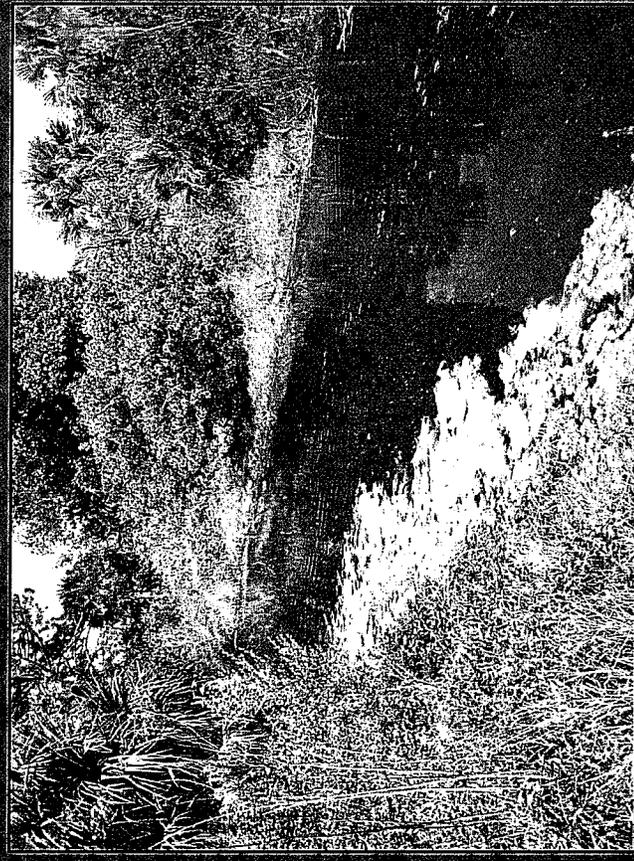


DMC



# Current Conditions

## Kingsway Canal



DMC

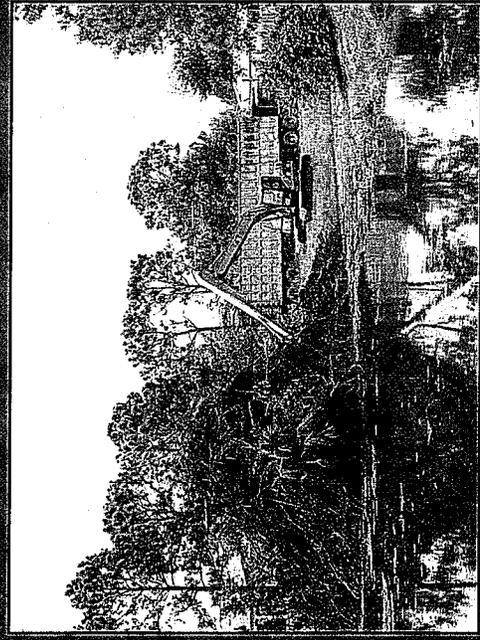
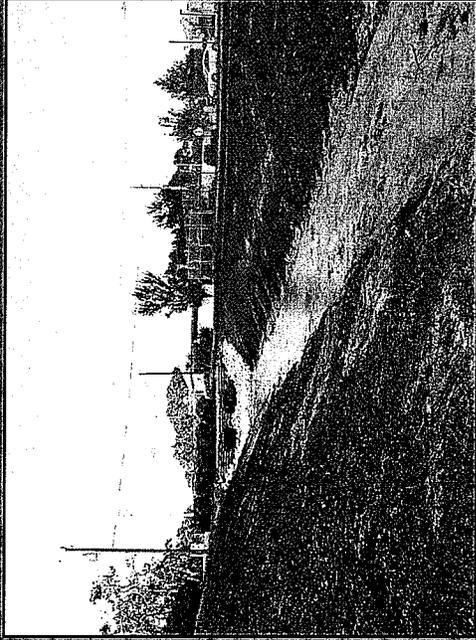


# Potential Equipment Access and Dredge Offload Sites



# Previous City Experience

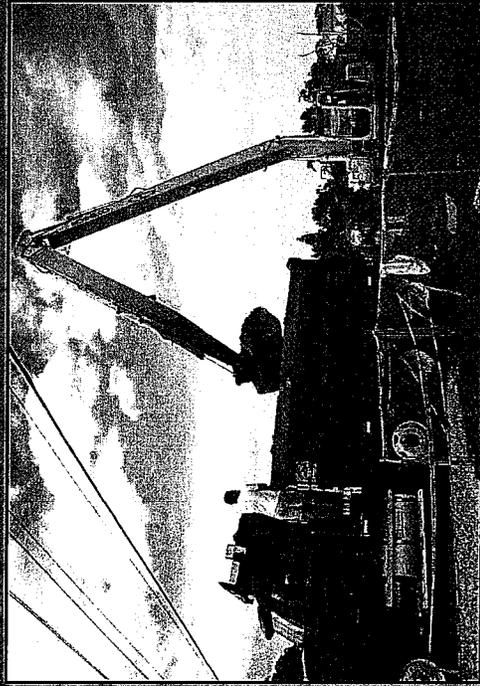
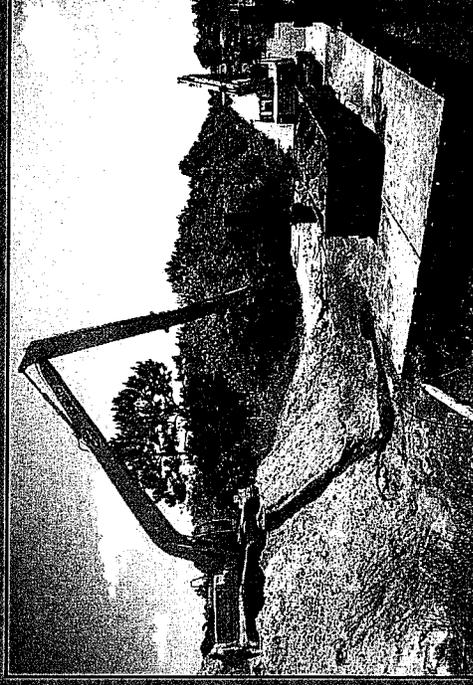
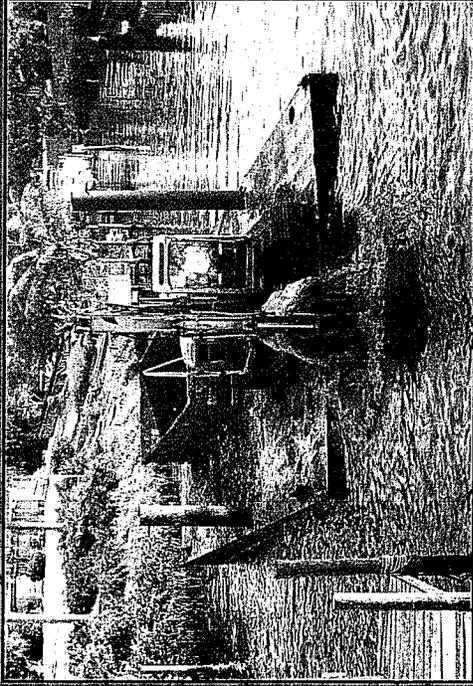
Kingsway Canal Hurricane  
Recovery Debris Removal



DMC

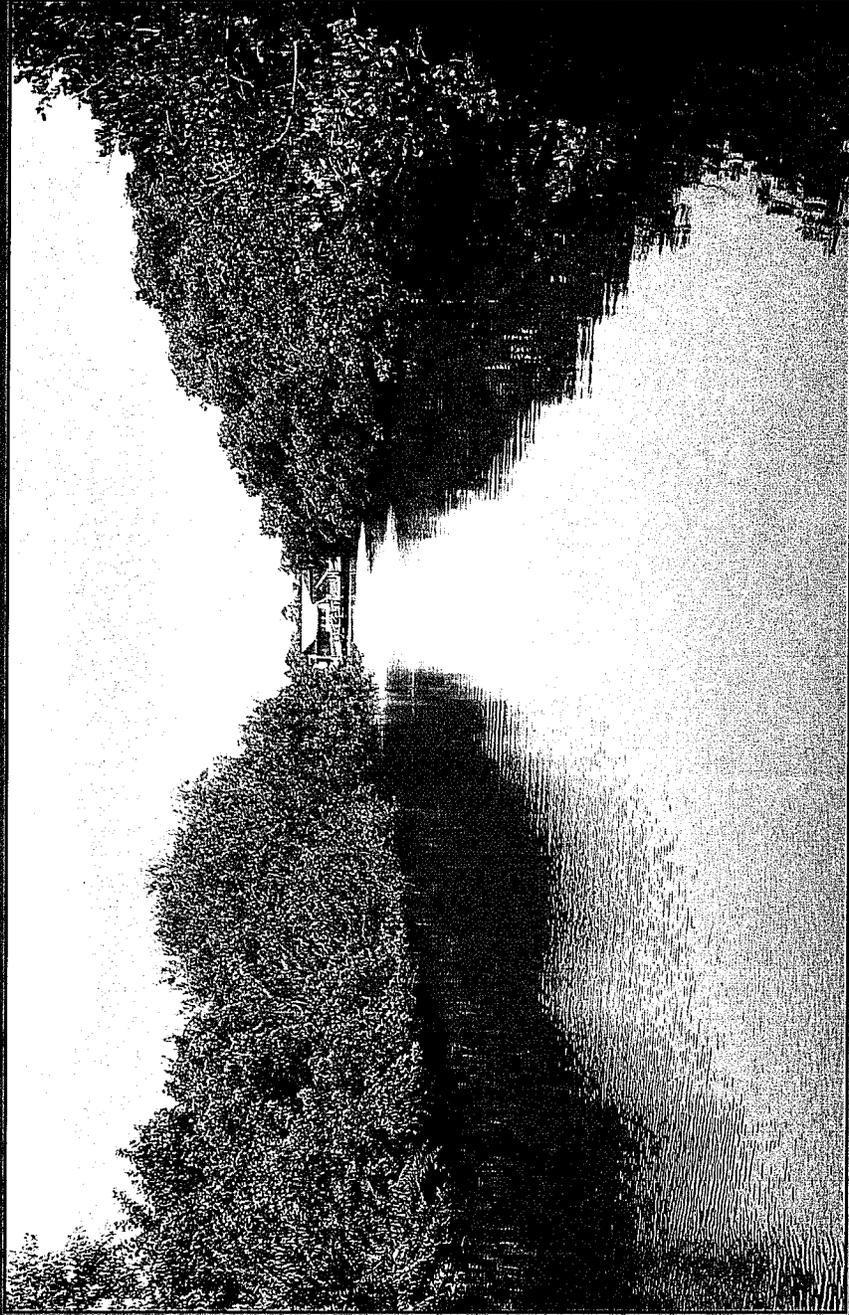
# Previous City Experience

Residential Waterways and  
Canals Dredging



DMC

# Questions and Answers



**DMC**

# THANK YOU!

We greatly appreciate this opportunity to present to the City staff and eagerly look forward to working with you on another significant project.



*is a beautiful thing!*

DMC



~~02A~~  
~~Evaluation~~ ATTENDANCE  
RFP #20120007R  
Design & Permit Kingsway 2-5 PM  
December 27<sup>29</sup>, 2011 @ 9:00:00 AM

	Name (Please PRINT Legibly)	Company Name Or Entity
1	Cheryl Shanaberger	City of PSL-OMB
2	PETE KRAWETZ	CITY OF PSL-ENG
3	JIM ANGSTADT	CITY OF PSL-ENG.
4	Brad Macek	City of PSL-Utilities
5	SHAIKESH PATEL	DMC
6	Joshua Revord	DMC
7	STEVE MARQUART	CAITEC
8	Peter Andersen	GLY, INC.
9	Will Cornelius	Ardayan & Assoc
10	Joe Lamm	CAITEC
11	Howard Ehsani	Creech Engineers
12	MAT BUTLER	ISIMINGER AND STUBBS ENGINEERING
13	OCTAVIO 'OATS' ROIS, P.E.	CREECH ENGINEERS, INC.
14	SORRY COMPTON	CREECH ENGINEERS, INC.
15	Paul Ezzo	EW Consultants, Inc.
16	Patrick MEEDS	PMEEDES@CREECHINC.COM
17	JERRY COMPTON	lcompton@CREECHINC.COM
18	Melisse Hunsford	city of PSL omb
19		
20		
21		
22		
23		
24		
25		
26		

Respondent: CREECH ENGINEERS, INC.

A	B	C	D
Criterion	Weight Factor	Maximum Points Independent Review	Maximum Points Review with Panel
A. History of similar projects	4	0 1 2 3 <b>4</b> 5	0 1 2 3 4 5
Comments:			
B. Assigned Staff Exp with dredging design	4	0 1 2 3 <b>4</b> 5	0 1 2 3 4 5
Comments:			
C. Assigned Staff Exp with permitting, soil & bud	4	0 1 2 3 <b>4</b> 5	0 1 2 3 4 5
Comments:			
D. firm Exp & procedure sediment sampling	4	0 1 2 <b>3</b> 4 5	0 1 2 3 4 5
Comments:			
E. Process for environmental Assessment, mont	2	0 1 2 <b>3</b> 4 5	0 1 2 3 4 5
Comments			
F. Experience with endangered species	2	0 1 2 <b>3</b> 4 5	0 1 2 3 4 5
Comments:			
G. Firm Response Time	1	0 1 2 3 4 <b>5</b>	0 1 2 3 4 5
Comments:			
H. Accepts P-card	5	<b>0</b> 1	<b>0</b> 1

**Instructions to Evaluator:** Complete a separate evaluation form for each proposal reviewed. Each criterion must be assigned a score unless you are instructed otherwise on the form. Make additional notes in the "Comments" section for reference and discussion during meetings of the full evaluation panel. The point values entered above reflect my best independent judgment of the merits of the identified respondent's proposal.

Committee Member: JAMES E. ANGSTADT Dept.: ENGINEERING

Signature: *James E. Angstadt* (please print) Date: 12/21/11

Respondent: DMC, LLC

A	B	C	D
Criterion	Weight Factor	Maximum Points Independent Review	Maximum Points Review with Panel
A. History of similar projects	4	0 1 2 3 4 <b>5</b>	0 1 2 3 4 5
Comments:			
B. Assigned Staff Exp with dredging design	4	0 1 2 3 4 <b>5</b>	0 1 2 3 4 5
Comments:			
C. Assigned Staff Exp with permitting, soil & bud	4	0 1 2 3 <b>4</b> 5	0 1 2 3 4 5
Comments:			
D. firm Exp & procedure sediment sampling	4	0 1 2 3 <b>4</b> 5	0 1 2 3 4 5
Comments:			
E. Process for environmental Assessment, mont	2	0 1 2 <b>3</b> 4 5	0 1 2 3 4 5
Comments			
F. Experience with endangered species	2	0 1 2 <b>3</b> 4 5	0 1 2 3 4 5
Comments:			
G. Firm Response Time	1	0 1 2 3 4 <b>5</b>	0 1 2 3 4 5
Comments:			
H. Accepts P-card	<b>5</b>	<b>01</b>	<b>01</b>

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Committee Member: JAMES E. ANGSTADT Dept.: ENGINEERING

Signature: *James E. Angstadt* (please print) Date: 12/21/11

Respondent: KEITH & SEHNARS, P.A.

A	B	C	D
Criterion	Weight Factor	Maximum Points Independent Review	Maximum Points Review with Panel
A. History of similar projects	4	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
B. Assigned Staff Exp with dredging design	4	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
C. Assigned Staff Exp with permitting, soil & bud	4	0 1 2 3 <u>4</u> 5	0 1 2 3 4 5
Comments:			
D. firm Exp & procedure sediment sampling	4	0 1 2 3 <u>4</u> 5	0 1 2 3 4 5
Comments:			
E. Process for environmental Assessment, mont	2	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments			
F. Experience with endangered species	2	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
G. Firm Response Time	1	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
H. Accepts P-card	5	0 <u>1</u>	0 <u>1</u>

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Committee Member: JAMES E. ANGSTADT Dept.: ENGINEERING

Signature: *James E. Angstadt* (Please print) Date: 12/21/11

Respondent: **KEITH J SCHWARS**

A	B	C	D
Criterion	Weight Factor	Maximum Points Independent Review	Maximum Points Review with Panel
A. History of similar projects	4	0 1 2 <b>3</b> 4 5	0 1 2 3 4 5
Comments: 2 PROJECTS / \$3.0M			
B. Assigned Staff Exp with dredging design	4	0 1 2 3 <b>4</b> 5	0 1 2 3 4 5
Comments: 7 (10-35YRS)			
C. Assigned Staff Exp with permitting, soil & bud	4	0 1 2 <b>3</b> 4 5	0 1 2 3 4 5
Comments: 4 (ALL ON STAFF)			
D. firm Exp & procedure sediment sampling	4	0 1 2 3 4 <b>5</b>	0 1 2 3 4 5
Comments: 1 STAFF GEOLOGIST TESTING IN HOUSE			
E. Process for environmental Assessment, mont	2	0 1 2 3 <b>4</b> 5	0 1 2 3 4 5
Comments: STAFF // GENERAL EVALUATION			
F. Experience with endangered species	2	0 1 2 3 <b>4</b> 5	0 1 2 3 4 5
Comments: 2 SCIENTIST ON STAFF 5 PROJECTS LISTED			
G. Firm Response Time	1	0 1 <b>2</b> 3 4 5	0 1 2 3 4 5
1.25 HRS			
H. Accepts P-card	<b>S</b>	<b>DI</b>	<b>DI</b>

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Committee Member: PETER F. KRAWETZ Dept.: ENGINEERING

Signature: *Peter Krawetz* (please print) Date: 12/22/11

Respondent: DREDGING & MARINE CONSULTANTS

A	B	C	D
Criterion	Weight Factor	Maximum Points Independent Review	Maximum Points Review with Panel
A. History of similar projects	4	0 1 2 3 4 (5)	0 1 2 3 4 5
Comments: <u>26 PROJECTS / \$3.9M</u>			
B. Assigned Staff Exp with dredging design	4	0 1 2 (3) 4 5	0 1 2 3 4 5
Comments: <u>4 (7-30 YRS, EXP.)</u>			
C. Assigned Staff Exp with permitting, soil & bud	4	0 1 2 3 4 (5)	0 1 2 3 4 5
Comments: <u>5 STAFF / 7 SUBS</u>			
D. firm Exp & procedure sediment sampling	4	0 1 2 (3) 4 5	0 1 2 3 4 5
Comments: <u>TESTING TO BE DONE BY SUB (ARDAMAN)</u>			
E. Process for environmental Assessment, mont	2	0 1 2 3 4 (5)	0 1 2 3 4 5
Comments: <u>STAFF TO DO // SPECIFIC EXPLANATION w/ PROCEDURES</u>			
F. Experience with endangered species	2	0 1 2 3 4 (5)	0 1 2 3 4 5
Comments: <u>3 STAFF SCIENTISTS 1 ENVIRONMENTAL MARINE CERTIFICATIONS / LICENSES</u>			
G. Firm Response Time	1	0 1 2 3 (4) 5	0 1 2 3 4 5
<u>0.25 HRS</u>			
<input checked="" type="checkbox"/> Accepts P-card	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Instructions to Evaluator:** Complete a separate evaluation form for each proposal reviewed. Each criterion must be assigned a score unless you are instructed otherwise on the form. Make additional notes in the "Comments" section for reference and discussion during meetings of the full evaluation panel. The point values entered above reflect my best independent judgment of the merits of the identified respondent's proposal.

Committee Member: PETER F. KRAWETZ Dept.: ENGINEERING

Signature: *Peter Krawetz* (please print)

Date: 12/22/11

Respondent: CREECH ENGINEERS

A	B	C	D
Criterion	Weight Factor	Maximum Points Independent Review	Maximum Points Review with Panel
A. History of similar projects	4	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments: <u>31 PROJECTS / \$1.8M</u>			
B. Assigned Staff Exp with dredging design	4	0 1 2 3 4 <u>5</u>	0 1 2 3 4 5
Comments: <u>9 (5-35 YRS, EXP)</u>			
C. Assigned Staff Exp with permitting, soil & bud	4	0 1 2 3 <u>4</u> 5	0 1 2 3 4 5
Comments: <u>5 STAFF / 5 SUB</u>			
D. firm Exp & procedure sediment sampling	4	0 1 <u>2</u> 3 4 5	0 1 2 3 4 5
Comments: <u>TESTING BY SUB (ISMINGER) + STUBBS</u>			
E. Process for environmental Assessment, mont	2	0 1 <u>2</u> 3 4 5	0 1 2 3 4 5
Comments: <u>SUB TO DO. // GENERIC EXPLANATION</u>			
F. Experience with endangered species	2	0 1 <u>2</u> 3 4 5	0 1 2 3 4 5
Comments: <u>SUB TO DO / GENERIC EXPLANATION</u>			
G. Firm Response Time	1	0 1 2 3 <u>4</u> 5	0 1 2 3 4 5
<u>0.25 HRS</u>			
H. Accepts P-card	<u>5</u>	<u>0/1</u>	<u>0/1</u>

**Instructions to Evaluator:** Complete a separate evaluation form for each proposal reviewed. Each criterion must be assigned a score unless you are instructed otherwise on the form. Make additional notes in the "Comments" section for reference and discussion during meetings of the full evaluation panel. The point values entered above reflect my best independent judgment of the merits of the identified respondent's proposal.

Committee Member: PETER F. KRAWETZ Dept.: ENGINEERING

Signature: *Peter Krawetz* (please print)

Date: 12/22/11

Respondent: *Keith and Schnars*

A	B	C	D
Criterion	Weight Factor	Maximum Points Independent Review	Maximum Points Review with Panel
A. History of similar projects	4	0 1 <b>2</b> 3 4 5	0 1 2 3 4 5
Comments:			
B. Assigned Staff Exp with dredging design	4	0 1 2 <b>3</b> 4 5	0 1 2 3 4 5
Comments:			
C. Assigned Staff Exp with permitting, soil & bud	4	0 1 2 <b>3</b> 4 5	0 1 2 3 4 5
Comments:			
D. firm Exp & procedure sediment sampling	4	0 1 2 3 4 <b>5</b>	0 1 2 3 4 5
Comments:			
E. Process for environmental Assessment, mont	2	0 1 2 3 <b>4</b> 5	0 1 2 3 4 5
Comments			
F. Experience with endangered species	2	0 1 2 3 <b>4</b> 5	0 1 2 3 4 5
Comments:			
G. Firm Response Time	1	0 1 2 <b>3</b> 4 5	0 1 2 3 4 5
Comments:			
H. Accepts P-card	<b>5</b>	<b>01</b>	<b>01</b>

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Committee Member: *Brad Macek* Dept.: *Utilities*  
 Signature: *[Signature]* (please print) Date: *12-22-11*

Respondent: DMC

A	B	C	D
Criterion	Weight Factor	Maximum Points Independent Review	Maximum Points Review with Panel
A. History of similar projects	4	0 1 2 3 <u>4</u> 5	0 1 2 3 4 5
Comments:			
B. Assigned Staff Exp with dredging design	4	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
C. Assigned Staff Exp with permitting, soil & bud	4	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
D. firm Exp & procedure sediment sampling	4	0 1 2 3 4 <u>5</u>	0 1 2 3 4 5
Comments:			
E. Process for environmental Assessment, mont	2	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
F. Experience with endangered species	2	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
G. Firm Response Time	1	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
H. Accepts P-card	<u>5</u>	<u>0</u>	<u>1</u>

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The point values entered above reflect my best independent judgment of the merits of the identified respondent's proposal.

Committee Member: Brad Mack Dept.: Utilities

(please print)

Signature: [Signature] Date: 12-22-11

Respondent: Creech

A	B	C	D
Criterion	Weight Factor	Maximum Points Independent Review	Maximum Points Review with Panel
A. History of similar projects	4	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
B. Assigned Staff Exp with dredging design	4	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
C. Assigned Staff Exp with permitting, soil & bud	4	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
D. firm Exp & procedure sediment sampling	4	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
E. Process for environmental Assessment, mont	2	0 1 2 3 <u>4</u> 5	0 1 2 3 4 5
Comments:			
F. Experience with endangered species	2	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
G. Firm Response Time	1	0 1 2 <u>3</u> 4 5	0 1 2 3 4 5
Comments:			
H. Accepts P-card	<u>5</u>	<u>01</u>	<u>01</u>

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Committee Member: Brad Macek Dept.: Utilities

Signature: [Signature] (please print) Date: 12-22-11

City of Port St. Lucie, Florida  
**PARTICIPATION AGREEMENT**  
**Request for Proposal #20120007R**  
**Evaluation Committee Members / Participants**

I, JAMES E. ANGSTADT, an individual official, employee, consultant, or subcontractor of or to the CITY OF PORT ST. LUCIE, FLORIDA hereby consent to the terms in this Agreement in consideration of my serving as an evaluation committee member (scoring or non-scoring) and being provided certain information related to Design& permit Kingsway Waterway project during the evaluation process and before contract award.

Initials <i>JEA</i>	<b>Applicability of the Florida Sunshine Law</b>
------------------------	--

I acknowledge I have been informed and am aware the State of Florida Sunshine Law applies to meetings of the evaluation committee where decisions for recommendations to the City Council apply. I further recognize that discussions between committee members outside of public Evaluation Committee meetings is prohibited and in violation of the State of Florida Sunshine Law. All questions by evaluation committee members shall be directed to the Contract Administrator (OMB).

Initials <i>JEA</i>	<b>Restricted Communications / Cone of Silence</b>
------------------------	--

I acknowledge that to insure the proper and fair evaluation of a submittal, the City of Port St. Lucie prohibits any communication between any City employee, representative or official other than the Contract Administrator (OMB) prior to the time of award by City Council has been made. Communication between Respondent and the City will be initiated and coordinated by the Contract Administrator (OMB) in order to obtain information or clarification needed to develop a proper and accurate evaluation of the proposal.

Communication related to this RFP is further restricted with any entity outside the City of Port St. Lucie. Including, but not limited to, sub-contractors of prime respondents, companies in the industry, other agencies or utility entities, etc . . .

Initials <i>JEA</i>	<b>Release or Distribution of Information and/or Material</b>
------------------------	---

Evaluation committee members have been provided vendor responses either in hard copy or electronic format. This information, hard copy or electronic, is NOT to be reproduced or distributed under any circumstance. Some information within the proposals may be proprietary and/or confidential. Release of any information will be coordinated by OMB only.

City of Port St. Lucie, Florida

**PARTICIPATION AGREEMENT**

**Request for Proposal #20120007R**

**Evaluation Committee Members / Participants**

I, Brad Macck, an individual official, employee, consultant, or subcontractor of or to the CITY OF PORT ST. LUCIE, FLORIDA hereby consent to the terms in this Agreement in consideration of my serving as an evaluation committee member (scoring or non-scoring) and being provided certain information related to Design& permit Kingsway Waterway project during the evaluation process and before contract award.

Initials BM **Applicability of the Florida Sunshine Law**

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Initials BM **Restricted Communications / Cone of Silence**

I acknowledge that to insure the proper and fair evaluation of a submittal, the City of Port St. Lucie prohibits any communication between any City employee, representative or official other than the Contract Administrator (OMB) prior to the time of award by City Council has been made. Communication between Respondent and the City will be initiated and coordinated by the Contract Administrator (OMB) in order to obtain information or clarification needed to develop a proper and accurate evaluation of the proposal.

Communication related to this RFP is further restricted with any entity outside the City of Port St. Lucie. Including, but not limited to, sub-contractors of prime respondents, companies in the industry, other agencies or utility entities, etc . . .

Initials BM **Release or Distribution of Information and/or Material**

Evaluation committee members have been provided vendor responses either in hard copy or electronic format. This information, hard copy or electronic, is NOT to be reproduced or distributed under any circumstance. Some information within the proposals may be proprietary and/or confidential. Release of any information will be coordinated by OMB only.

Initials

**Non-Collusion**

I acknowledge the following with regards to non-collusion in the evaluation process and my scoring:

1. The scores assigned in my evaluation have been arrived at independently and without consultation, communication or agreement with any other Evaluator other than those discussions taking place in a meeting of the Evaluation Committee meeting arranged by OMB.
2. That my scoring of each proposal has not been disclosed to any other Evaluator or person, and they will not be disclosed to other Evaluator except by the OMB during a meeting of the Evaluation Committee.
3. No attempt has been made or will be made to coerce or affect the scoring of any Evaluator.

Signature:



Printed:

Brad Maack

Date:

12-22-11

City of Port St. Lucie, Florida  
**PARTICIPATION AGREEMENT**  
**Request for Proposal #20120007R**  
**Evaluation Committee Members / Participants**

I, PETER F. KRAWETZ, an individual official, employee, consultant, or subcontractor of or to the CITY OF PORT ST. LUCIE, FLORIDA hereby consent to the terms in this Agreement in consideration of my serving as an evaluation committee member (scoring or non-scoring) and being provided certain information related to Design& permit Kingsway Waterway project during the evaluation process and before contract award.

Initials <i>PK</i>	<b>Applicability of the Florida Sunshine Law</b>
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I acknowledge I have been informed and am aware the State of Florida Sunshine Law applies to meetings of the evaluation committee where decisions for recommendations to the City Council apply. I further recognize that discussions between committee members outside of public Evaluation Committee meetings is prohibited and in violation of the State of Florida Sunshine Law. All questions by evaluation committee members shall be directed to the Contract Administrator (OMB).

Initials <i>PK</i>	<b>Restricted Communications / Cone of Silence</b>
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I acknowledge that to insure the proper and fair evaluation of a submittal, the City of Port St. Lucie prohibits any communication between any City employee, representative or official other than the Contract Administrator (OMB) prior to the time of award by City Council has been made. Communication between Respondent and the City will be initiated and coordinated by the Contract Administrator (OMB) in order to obtain information or clarification needed to develop a proper and accurate evaluation of the proposal.

Communication related to this RFP is further restricted with any entity outside the City of Port St. Lucie. Including, but not limited to, sub-contractors of prime respondents, companies in the industry, other agencies or utility entities, etc . . .

Initials <i>PK</i>	<b>Release or Distribution of Information and/or Material</b>
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Evaluation committee members have been provided vendor responses either in hard copy or electronic format. This information, hard copy or electronic, is NOT to be reproduced or distributed under any circumstance. Some information within the proposals may be proprietary and/or confidential. Release of any information will be coordinated by OMB only.

Evaluation

~~Q&A~~ ATTENDANCE

RFP #20120007R

Design & Permit Kingsway  
December 29, 2011 @ 2:00:00 PM <sup>AM</sup>

	Name (Please PRINT Legibly)	Company Name Or Entity
1	Cheryl Shanaberger	City of PSL-OMB
2	JIM ANGSTADT	PSL ENG.
3	Larry Madeara	PSL Eng.
4	Brac Macek	PSL Utilities
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**Opening ATTENDANCE**  
**RFP #20120007R**  
**Design & Permit Kingsway**  
**December 20, 2011 @ 3:30:00 PM**

	Name (Please PRINT Legibly)	Company Name Or Entity
1	Cheryl Shanaberger	City of PSL-OMB
2	Guna Jolly	City of PSL
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User: Shanaberger, CPPO, Cheryl

Organization: City of Port St. Lucie - Office of Management and Budget

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- View Quotes
- Supplier Search
- Build Broadcast List
- Reports

### Tabulation Sheet

Agency Name City of Port St. Lucie - Office of Management and Budget  
 Bid Number EBID-20120007R-0-2012/CS  
 Bid Name Design and Permit for Kingsway Waterway  
 Bid Due Date 12/20/2011 3:30:00 PM Eastern time  
 Bid Opening Closed

3 total responses found.

online,  offline,  not submitting,  not received

	Company ▲	Responded	Address	Bid Amt	Alt Bid Amt	Documents	Sent	Notes	Actions
<b>Complete</b>									
1.	Creech Engineers, Inc.	12/20/2011 11:16:10 AM	7881 SW Ellipse Way Stuart, FL 34997	\$0.00		Questionnaire	<input checked="" type="checkbox"/>		Details, Documents, History
2.	Dredging & Marine Consultants, LLC	12/20/2011 9:03:51 AM	1850 Fountainview Blvd. Suite 201 Port St. Lucie, FL 34986	\$0.00		Questionnaire	<input checked="" type="checkbox"/>		Details, Documents, History
3.	Keith and Schnars, P.A.	12/20/2011 11:25:58 AM	6500 North Andrews Avenue Fort Lauderdale, FL 33309-2132	\$0.00	\$0.00	Questionnaire	<input checked="" type="checkbox"/>		Details, Documents, History

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### Manage Bid Tabulation

#### Planholder Responses



When adding a manual response, you can select a vendor off the Planholders List or add a new vendor.

(Select a Planholder)   [Edit Planholders...](#)

#### Publish Tabulation Sheet

Once you have reviewed the tabulation sheet details, you may create a downloadable PDF version.



Include Non-Compliant Supplier details

[Bid Documents...](#)

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**QUESTIONNAIRE**

**E-Bid #20120007R**

**Design and Permitting Kingsway Waterway**

It is understood and agreed that the following information is to be used by the City of Port St. Lucie to determine the qualifications of personnel and firm as presented in this document. The Proposer waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Proposer or the personnel of the Proposer.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Consultant, Surety, bank material or equipment manufacturer or distributor, or any person, firm or corporation to furnish the City of Port St. Lucie any Pertinent information requested by the City deemed necessary to vary the information on this questionnaire.

Dated this **20th** day of **December, 2011**

**Creech Engineers, Inc.**

Name of Organization / Proposer

1. Firm's office address, telephone, fax number, e-mail address and contact person for this project

**Creech Engineers, Inc.**

**501 SE Port St. Lucie Boulevard**

**Port St. Lucie, FL 34984**

**772-249-0733**

**772-220-7881 Fax**

**Jerry Compton**

**jcompton@creechinc.com**

2. Please include a history of similar projects and your total consultant fee.

Agency	\$	Contact Person	Telephone	Email
<b>CREECH ENGINEERS, INC.</b>				
Martin County Salerno Creek Retrofit	\$100,000	Don Donaldson, PE	772-288-5927	<a href="mailto:ddonaldson@martin.fl.us">ddonaldson@martin.fl.us</a>
Martin County East Fork Creek Restoration	\$33,000	Don Donaldson, PE	772-288-5927	<a href="mailto:ddonaldson@martin.fl.us">ddonaldson@martin.fl.us</a>
City of Port St. Lucie Monterey Waterway	\$161,000	Steve Jungjohan	772-871-5289	<a href="http://www.cityofpsl.com">www.cityofpsl.com</a>
St. Lucie County Sneed Road Culvert Replacements	\$58,000	John Franks, PE	772-462-3755	<a href="http://www.stlucieco.gov">www.stlucieco.gov</a>
City of Stuart Frazier Creek Dredging	\$62,000	Sam Amerson, PE	772-288-5331	<a href="http://www.cityofstuart.us">www.cityofstuart.us</a>
SFWMD Continuing Survey Services	\$35,000 - \$121,000	Richard Barnes, Jr.	561-682-6688	<a href="http://www.sfwmd.gov">www.sfwmd.gov</a>
<b>HIGGINS ENGINEERING, INC.</b>				
Reef Homeowners Association	\$200,000	Don Donaldson, PE	772-288-5927	<a href="mailto:ddonaldson@martin.fl.us">ddonaldson@martin.fl.us</a>
Village of Wellington	\$ 60,000	Paul Schofield	561-791-4000	<a href="mailto:pscho@wellingtonfl.gov">pscho@wellingtonfl.gov</a>
<b>EW CONSULTANTS, INC.</b>				
Starwood Land Ventures-Highlands Reserve Dredging & Docks	\$ 45,000	Jon Rapaport	561-718-7516	<a href="mailto:jrapaport@starwoodland.com">jrapaport@starwoodland.com</a>
<b>ISIMINGER &amp; STUBBS ENGINEERING, INC.</b>				
Four Winds Channel Dredging	\$105,546	James Remez	561-833-3242	<a href="mailto:jremez@livingstonbuilders.com">jremez@livingstonbuilders.com</a>
Jonathan's Landing POA, Inc.	\$ 62,499	Jane Carlough-Meline	561-727-2804	<a href="mailto:jpoa@comcast.net">jpoa@comcast.net</a>
Palm Beach Yacht Club	\$ 19,699	Elaine Olson	561-655-8711	<a href="mailto:gm@pbyc.net">gm@pbyc.net</a>
Martin County-Danforth Creek	\$ 26,000	Joseph Capra, PE	772-692-4344	<a href="mailto:jcapra@gocaptec.com">jcapra@gocaptec.com</a>
Martin County-Warner Creek	\$ 30,500	Joseph Capra, PE	772-692-4344	<a href="mailto:jcapra@gocaptec.com">jcapra@gocaptec.com</a>
Jupiter Harbour Marina	\$ 9,056	Frank Sardinha	561-746-9411	<a href="mailto:funchalfrank@bellsouth.net">funchalfrank@bellsouth.net</a>
Jupiter Point Marina	\$ 37,345	Anna Bennett	561-746-2600	<a href="mailto:abennett@jupiterpoint.com">abennett@jupiterpoint.com</a>
Jupiter Seaport Marina	\$ 21,019	Danny Knier	Deceased	
Peter Testa Slip Dredging	\$ 7,612	Peter Testa	+393485801407 Italy	<a href="mailto:petertesta@me.com">petertesta@me.com</a>
Michael Bozzuto Slip	\$ 65,507	Ted Borowski	561-909-7727	<a href="mailto:Borowski9447@comcast.net">Borowski9447@comcast.net</a>
North Palm Beach Marina	\$ 25,307	Richard Morgan	561-626-8669	<a href="mailto:morganr@gate.net">morganr@gate.net</a>
Cannonsport Marina	\$ 69,022	Tom Price	561-848-7469	<a href="mailto:tprice@cannonsport.com">tprice@cannonsport.com</a>
Lockheed Martin Ship Channel	\$130,363	Gregory Klann	561-494-2422	<a href="mailto:gregory.klann@lmco.com">gregory.klann@lmco.com</a>
James Clark Channel	\$ 10,154	Carl Lessard	561-655-8085	<a href="mailto:calessard@aol.com">calessard@aol.com</a>
James Robo/Meredith Trim Channel Dredging	\$ 13,839	James Robo	561-691-7711	<a href="mailto:jimrobo@fpl.com">jimrobo@fpl.com</a>
Powell Brothers Marine	\$ 5,346	Mark Bolchoz	561-655-3634	<a href="mailto:markbolchoz@themurphyco.com">markbolchoz@themurphyco.com</a>
Ira Harris Dredging	\$ 9,969	Ira Harris	561-301-1362	<a href="mailto:jh@jharris.com">jh@jharris.com</a>
WCI-Parcel 32 Channel	\$176,880	Paul Angelo	Out of Business	
Gruss-Private Channel	\$ 28,626	Martin Gruss	212-688-1500	
New Port Cove Marina and Channel	\$ 42,488	Richard Morgan	561-626-8669	<a href="mailto:morganr@gate.net">morganr@gate.net</a>
Bluffs Marina	\$ 16,124	Chris Baker	561-627-6688	<a href="mailto:info@thebluffsmarina.com">info@thebluffsmarina.com</a>
WCI-Harbour Isles Canals		Robert Hanna	Out of Business	
Pulte-Prosperity Harbor Canals	\$ 45,245	Tim Hernandez	305-626-6100	

3. Detail of staff experience in dredge design and slope restoration projects, including dredge templates, permitting, spoil disposal (acceptability parameters) and budget results

Staff Name	Title	Years Experience	Company	Project Name & Description	Budget
Richard Creech, PE, PSM	President	35 years	Creech Engineers, Inc.	<b>Salerno Creek Retrofit:</b> This project included analysis, modeling, design and permitting of a regional stormwater treatment facility for a 780 acre drainage basin in Martin County. Services included boundary and specific purpose surveys, hydraulic designs for conveyance piping, ditches and canals, a 23 acre stormwater treatment lake with a multi-level outfall control structure. This project received the Grand Award for Engineering Excellence from the Florida Institute of Consulting Engineers (FICE).	\$100k
Richard Creech, PE, PSM	President	35 years	Creech Engineers, Inc.	<b>East Fork Creek Restoration:</b> Engineering design and surveying restoration of an environmentally damaged waterway that serves approximately 3000 acres of residential and recreational lands. This project received the Grand Award for Engineering Excellence from the Florida Institute of Consulting Engineers (FICE).	\$33k
Richard Creech, PE, PSM	President	35 years	Creech Engineers, Inc.	<b>Monterey Waterway:</b> Design and permitting for reconstruction of a major canal outfall structure in the City of Port St. Lucie that was destroyed during hurricane event. Project included re-grading and stabilization of approximately 3800 linear feet of canal embankment.	\$161k

Richard Creech, PE, PSM	President	35 years	Creech Engineers, Inc.	<b>Sneed Road Culvert Replacement:</b> Engineering design and permitting along with topographic surveys for replacement of failed canal culverts in western St, Lucie County. Project included headwall and culvert design, roadway repairs and canal grading and stabilization adjacent to headwall ends.	\$58k
Richard Creech, PE, PSM	President	35 years	Creech Engineers, Inc.	<b>Frazier Creek Dredging:</b> Design along with State and Federal permitting for channel dredging and spoil disposal of approximately 2,700 linear feet of the Frazier Creek waterway in the City of Stuart.	\$62k
Richard Creech, PE, PSM	President	35 years	Creech Engineers, Inc.	<b>SFWMD Continuing Survey Services:</b> Boundary Surveys, Topographic Surveys, Right-of-way surveys, Geodetic Control Surveys, Hydrographic Surveys, Quantity Surveys, Aerial Planimetric Surveys, in addition to Specific Purpose Surveys for numerous Comprehensive Everglades Restoration Projects. A few representative projects include:  <b>SFWMD - Levee-6 Redesign</b>  <b>Nubbins Slough – Storm Water Treatment Area</b>  <b>SFWMD C-24 Boundary and R/W Survey</b>	\$35k - \$121k

Jerry Compton	Sr. Project Manager	25 years	Creech Engineers, Inc.	Salerno Creek Retrofit: This project included analysis, modeling, design and permitting of a regional stormwater treatment facility for a 780 acre drainage basin in Martin County. Services included boundary and specific purpose surveys, hydraulic designs for conveyance piping, ditches and canals, a 23 acre stormwater treatment lake with a multi-level outfall control structure. This project received the Grand Award for Engineering Excellence from the Florida Institute of Consulting Engineers (FICE).	\$100k
Jerry Compton	Sr. Project Manager	25 years	Creech Engineers, Inc.	East Fork Creek Restoration: Engineering design and surveying restoration of an environmentally damaged waterway that serves approximately 3000 acres of residential and recreational lands. This project received the Grand Award for Engineering Excellence from the Florida Institute of Consulting Engineers (FICE).	\$33k
Jerry Compton	Sr. Project Manager	25 years	Creech Engineers, Inc.	Frazier Creek Dredging: Design along with State and Federal permitting for channel dredging and spoil disposal of approximately 2,700 linear feet of the Frazier Creek waterway in the City of Stuart.	\$62k

Jeffrey Norris, PE	Chief Engineer	32 years	Creech Engineers, Inc.	Monterey Waterway: Design and permitting for reconstruction of a major canal outfall structure in the City of Port St. Lucie that was destroyed during hurricane event. Project included re-grading and stabilization of approximately 3800 linear feet of canal embankment.	\$161k
Jeffrey Norris, PE	Chief Engineer	32 years	Creech Engineers, Inc.	Sneed Road Culvert Replacement: Engineering design and permitting along with topographic surveys for replacement of failed canal culverts in western St, Lucie County. Project included headwall and culvert design, roadway repairs and canal grading and stabilization adjacent to headwall ends.	\$58k
Octavio "Oats" Reis, PE	Project Manager	22 years	Creech Engineers, Inc.	Sneed Road Culvert Replacement: Engineering design and permitting along with topographic surveys for replacement of failed canal culverts in western St, Lucie County. Project included headwall and culvert design, roadway repairs and canal grading and stabilization adjacent to headwall ends.	\$58k
Octavio "Oats" Reis, PE	Project Engineer	22 years	Creech Engineers, Inc.	Monterey Waterway: Design and permitting for reconstruction of a major canal outfall structure in the City of Port St. Lucie that was destroyed during hurricane event. Project included re-grading and stabilization of approximately 3800 linear feet of canal embankment.	\$161k

Patrick Meeds, PSM	Director of Survey	34 years	Creech Engineers, Inc.	<b>Sneed Road Culvert Replacement:</b> Engineering design and permitting along with topographic surveys for replacement of failed canal culverts in western St, Lucie County. Project included headwall and culvert design, roadway repairs and canal grading and stabilization adjacent to headwall ends.	\$58k
Patrick Meeds, PSM	Director of Survey	34 years	Creech Engineers, Inc.	<b>SFWMD Continuing Survey Services: SFWMD Continuing Surveying Services</b> Boundary Surveys, Topographic Surveys, Right-of-way surveys, Geodetic Control Surveys, Hydrographic Surveys, Quantity Surveys, Aerial Planimetric Surveys, in addition to Specific Purpose Surveys for numerous Comprehensive Everglades Restoration Projects. A few representative projects include:  <b>SFWMD - Levee-6 Redesign</b>  <b>Nubbins Slough – Storm Water Treatment Area</b>  <b>SFWMD C-24 Boundary and R/W Survey</b>	\$35k - \$121k

Robert W. Higgins, PE	President	35 years	Higgins Engineering, Inc.	<b>Reef Access Channel Design &amp; Permitting:</b> Design, permitting and construction supervision of a 50' wide, 1,300' navigational channel located off of the intracoastal waterway in Stuart Florida. The dredged material was deposited in upland disposal areas. The project did include impacts to shallow water habitat which required mitigation and monitoring and maintenance.	\$200k
Robert W. Higgins, PE	President	35 years	Higgins Engineering, Inc.	<b>Acme Canal No. 2 Expansion, Design &amp; Permitting:</b> Design, permitting and construction observation of for expansion of Canal No. 2 within the Village of Wellington. Approximately 2.5 miles of existing drainage canal was enlarged in order to provide additional storage and flood flow capacity. Work also included the replacement and upsizing of several culvert crossing.	\$60k
Robert W. Higgins, PE	President	35 years	Higgins Engineering, Inc.	<b>Port Labelle Canal 2 Expansion &amp; Hydraulic Analysis:</b> Project included the hydraulic analysis and design and permitting of improvement plans to Canal No. 2 in Port Labelle, FL. The canal served a drainage area of several square miles.	\$50k

S. Jordan Nichols, PE	Project Engineer	32 years	Higgins Engineering, Inc.	<b>Reef Access Channel Design &amp; Permitting:</b> Design, permitting and construction supervision of a 50' wide, 1,300' navigational channel located off of the intracoastal waterway in Stuart Florida. The dredged material was deposited in upland disposal areas. The project did include impacts to shallow water habitat which required mitigation and monitoring and maintenance.	\$200k
S. Jordan Nichols, PE	Project Engineer	32 years	Higgins Engineering, Inc.	<b>Acme Canal No. 2 Expansion, Design &amp; Permitting:</b> Design, permitting and construction observation of for expansion of Canal No. 2 within the Village of Wellington. Approximately 2.5 miles of existing drainage canal was enlarged in order to provide additional storage and flood flow capacity. Work also included the replacement and upsizing of several culvert crossing.	\$60k
S. Jordan Nichols, PE	Project Engineer	32 years	Higgins Engineering, Inc.	<b>Port Labelle Canal 2 Expansion &amp; Hydraulic Analysis:</b> Project included the hydraulic analysis and design and permitting of improvement plans to Canal No. 2 in Port Labelle, FL. The canal served a drainage area of several square miles.	\$50k

Paul Ezzo, AICP	Project Planner	20 years	EW Consultants, Inc.	<b>Highlands Reserve Dredging &amp; Docks:</b> Assisted in securing SFWMD and U.S. Army Corps of Engineers permits for the construction of 15 single-family docks in the Okeechobee Waterway. This project also included the dredging of canal bottom to negative five feet around each dock in order to facilitate larger vessels with deep drafts. Periodically inspected dock construction and dredging operation progress. Coordinated construction activities with permitting agencies.	\$250k
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Four Winds Channel Dredging:</b> Permitting, design, construction observation, and contract administration for dredging of a private channel to a dock in Lake Worth.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Jonathan's Landing POA, Inc.:</b> Permitting of maintenance dredging of the saltwater canal system in Jonathan's Landing, Jupiter.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Palm Beach Yacht Club:</b> Permitting of maintenance dredging of an existing marina, West Palm Beach.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Martin County-Danforth Creek:</b> Permitting of dredging of Danforth Creek in Martin County.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Martin County-Warner Creek:</b> Permitting of dredging of Warner Creek in Martin County	N/A

Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Jupiter Harbour Marina:</b> Permitting of maintenance dredging of an existing marina entrance channel, Jupiter.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Jupiter Point Marina:</b> Permitting of a new dry-stack marina including maintenance dredging of an existing basin and channel, Martin County,	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Jupiter Seaport Marina:</b> Permitting of maintenance dredging of an existing marina, Jupiter.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Peter Testa Slip Dredging:</b> Permitting of a replacement dock and lift, new seawall, and dredging, Jupiter Island.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Michael Bozzuto Slip:</b> Permitting, design, construction observation, and contract administration for a replacement seawall, mooring dolphins, and slip dredging, North Palm Beach.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>North Palm Beach Marina:</b> Permitting of reconfiguration and maintenance dredging of an existing marina, North Palm Beach.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Cannonsport Marina:</b> Permitting of a replacement marina including new docks, seawall, and dredging, Palm Beach Shores.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Lockheed Martin Ship Channel:</b> Permitting, design, construction observation, and contract administration for a working/fishing pier and ship channel dredging, Riviera Beach.	N/A

Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>James Clark Channel:</b> Permitting, design, construction observation, and contract administration for a seawall, dock, boat lift, and dredging of a private channel in Lake Worth.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>James Robo/Meredith Trim Channel Dredging:</b> Permitting, design, construction observation, and contract administration for dredging of a private channel, Palm Beach County.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Powell Brothers Marine:</b> Permitting of dredging within a boatyard basin, Ft. Lauderdale.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Ira Harris Dredging:</b> Permitting, design, construction observation, and contract administration for dredging of a slip at a dock in Lake Worth.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>WCI-Parcel 32 Channel:</b> Permitting of an upland cut canal residential development, including seawalls, bridges, culverts, docks, excavation, dredging, and channel markers, Palm Beach County.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Gross-Private Channel:</b> Permitting, design, construction observation, and contract administration for dredging of a private channel to a dock in Lake Worth.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>New Port Cove Marina &amp; Channel:</b> Permitting, design, construction observation, and contract administration for a new marina, including docks and dredging of the marina area and entrance channel, Riviera Beach.	N/A

Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Bluffs Marina:</b> Permitting of maintenance dredging of an existing marina, Jupiter.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>WCI-Harbour Isles Canals:</b> Permitting, design, construction observation, and contract administration for an upland cut canal residential development, including seawalls, docks, excavation, and dredging, North Palm Beach.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Pulte-Prosperity Harbor Canals:</b> Permitting, design, construction observation, and contract administration for an upland cut canal residential development, including seawalls, docks, excavation, and dredging, North Palm Beach.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Suwannee River Authority:</b> Permitting, design, construction observation, and contract administration for the dredging of the mouth of the Suwannee River, including spoil placement and channel markers.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Oak Harbour Juno Beach:</b> Permitting, design, construction observation, and contract administration for a new upland cut marina, including docks, seawalls, and dredging of the marina area and entrance channel, Juno Beach.	N/A
Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Jonathan's Landing Palm Beach County:</b> Permitting and design of advanced maintenance dredging of the Atlantic Intracoastal Waterway adjacent to Jonathan's Landing, including spoil disposal, Palm Beach County.	N/A

Charles C. Isiminger, PE	President	27 years	Isiminger & Stubbs Engineering, Inc.	<b>Village of North Palm Beach Anchorage Park:</b> Permitting and design and securing of a Florida Inland Navigation District Grant for dredging of the Atlantic Intracoastal Waterway with spoil placed as an inland dune at Anchorage Park.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Four Winds Channel Dredging:</b> Permitting, design, construction observation, and contract administration for dredging of a private channel to a dock in Lake Worth.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Jonathan's Landing POA, Inc.:</b> Permitting of maintenance dredging of the saltwater canal system in Jonathan's Landing, Jupiter.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Palm Beach Yacht Club:</b> Permitting of maintenance dredging of an existing marina, West Palm Beach.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Martin County-Danforth Creek:</b> Permitting of dredging of Danforth Creek in Martin County.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Martin County-Warner Creek:</b> Permitting of dredging of Warner Creek in Martin County.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Jupiter Harbour Marina:</b> Permitting of maintenance dredging of an existing marina entrance channel, Jupiter.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Jupiter Point Marina:</b> Permitting of a new dry-stack marina including maintenance dredging of an existing basin and channel, Martin County.	N/A

Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Jupiter Seaport Marina:</b> Permitting of maintenance dredging of an existing marina, Jupiter.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Peter Testa Slip Dredging:</b> Permitting of a replacement dock and lift, new seawall, and dredging, Jupiter Island.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Michael Bozzuto Slip:</b> Permitting, design, construction observation, and contract administration for a replacement seawall, mooring dolphins, and slip dredging, North Palm Beach.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>North Palm Beach Marina:</b> Permitting of reconfiguration and maintenance dredging of an existing marina, North Palm Beach.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Cannonsport Marina:</b> Permitting of a replacement marina including new docks, seawall, and dredging, Palm Beach Shores.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Lockheed Martin Ship Channel:</b> Permitting, design, construction observation, and contract administration for a working/fishing pier and ship channel dredging, Riviera Beach.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>James Clark Channel:</b> Permitting, design, construction observation, and contract administration for a seawall, dock, boat lift, and dredging of a private channel in Lake Worth.	N/A

Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	James Robo/Meredith Trim <b>Channel Dredging:</b> Permitting, design, construction observation, and contract administration for dredging of a private channel, Palm Beach County.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Powell Brothers Marine:</b> Permitting of dredging within a boatyard basin, Ft. Lauderdale.	N/A
Matthew D. Butler, EI	Project Manager	5 years	Isiminger & Stubbs Engineering, Inc.	<b>Ira Harris Dredging:</b> Permitting, design, construction observation, and contract administration for dredging of a slip at a dock in Lake Worth.	N/A

4. Identify the staff assigned to the project and the scope of work to be performed.

Staff Name	Years with Company	Scope of Work
<b>CREECH ENGINEERS, INC.</b>		
Richard T. Creech, PE, PSM	23 years	Principal-in-Charge
Jerry A. Compton	19 years	Sr. Project Manager
Jeffrey O. Norris, PE	11 years	Chief Engineer
Octavio "Oats" Reis, PE	7 years	Sr. Project Manager
Howard Ehram, PE	1 year	City/Client Liaison
Patrick B Meeds, PSM	6 years	Director of Survey
<b>HIGGINS ENGINEERING, INC.</b>		
Robert W. Higgins, PE	35 years	Principal-in-Charge
W.R. Howard, PE	35 years	Sr. Project Manager
S. Jordan Nichols, PE	32 years	Project Engineer
<b>EW CONSULTANTS, INC.</b>		
Edward Weinberg	14 years	Sr. Professional
Paul Ezzo, AICP	10 years	Project Planner
Arnaud Roux	6 years	Environmental Scientist
Courtney Britt	5 years	Lead CADD Designer
<b>ISIMINGER &amp; STUBBS ENGINEERING, INC.</b>		
Charles C. Isiminger, PE	19 years	Principal-in-Charge
Matthew D. Butler, EI	5 years	Project Manager
Mark A. Powell, PE	10 years	Professional Engineer
Yetive Righteous-Coleman	7 years	Administrative Professional

5. Identify your firm's procedures and experience with sediment composition sampling/analysis.

**Isiminger & Stubbs Engineering, Inc.** typically provides the field services necessary to collect sediment samples for analysis. Prior to sampling, we arrange with an approved lab for containers, chain of custody forms, and procedures. Surface samples are collected by hand using a diver and scoop as necessary. Deeper samples are collected using a driven or augered core sampler. In one situation where this was not practical, we arranged to have a drilling rig mounted on a barge. As the samples are collected, we store them, label them, and preserve them in accordance with the applicable procedures. We then personally transport them to the lab. We have had good success with this methodology.

6. Explain your firm's process for environmental assessment, including floral/fauna/native species and monitoring.

**EW Consultants, Inc.** will perform a detailed environmental assessment within and adjacent to the proposed limits of construction. We will research state and federal databases with regard to listed (protected) plant and animal species on or near the project site. We will develop current and historical aerial photographic mapping to assess the recent and past ecological conditions of the project site. Using this mapping and the results of the database searches, we will traverse the site in a grid fashion in order to document the native flora and fauna with a special emphasis on listed species which may be impacted as a result of the proposed construction. We will develop our finding into a scientific document which will include options for listed species and wetland mitigation, if applicable. The east section of the project site (east of Floresta Drive extending to state waters) will present different challenges than the west section (west of Floresta Drive to Bayshore Boulevard and Oakridge Drive) in that we will need to investigate the presence and potential presence of listed species associated with an estuarine ecosystem. The environmental and listed species assessment for the west section will focus on the freshwater resources associated with the canal. Monitoring will consist of establishing stations along the canal during the construction process. Should observations be made of listed species utilizing the immediate area near the construction site, appropriate state and federal policies will be implemented. Long-term (post-construction completion) may consist of fixed stations within the east and west sections of the project site in order to monitor native vegetation coverage and usage of the area by listed and non-listed wildlife species. These observations will be recorded and drafted into a report for submittal to the City and applicable regulatory agencies as required.

7. Detail your firm's experience and staffing capabilities in regards to endangered species evaluation and monitoring.

**EW Consultants, Inc.** has over 60 years combined experience with regard to listed species evaluation and monitoring. We have evaluated numerous sites throughout south Florida for the presence of various listed species, including but not limited to: listed wading birds (sandhill cranes, wood storks, white ibis, etc.), seagrass and oysters (benthic); crested caracara, bald eagle (no longer listed but still protected), scrub jays, gopher tortoises, eastern Indigo snakes, and manatees. Our staff is located in Stuart, approximately 10 miles from the project site. We have recently (July 2011) added additional full-time field staff to our company and are capable of performing the described evaluations and monitoring in a timely manner.

8. Where is your assigned staff's office located for this project and what is your response time to the site for resolution of design issues indentified during construction.

**This project will be managed through the Creech Engineers, Inc., Port St. Lucie office located on Port St. Lucie Boulevard approximately ¼ mile east of the City Government Center. Howard Ehram, P. E., serves as the City/Client Liaison; the Creech staff assigned to this project will operate from the Port St. Lucie office for the duration of this project. Additional support, if needed, will come from the Creech Engineers, Inc. staff at the Stuart office located conveniently at the intersection of I-95 and Kanner Highway (SR 76) in Stuart. Response time for any project issues will be 15 minutes or less and our staff members are available by phone, email or text on a 24hour/7days per week /365 days per year basis.**

9. List past 5 years of litigation history. N/A

10. List number of design projects awarded to City in past 12 months and the total dollar amount. None

**Creech Engineers, Inc. has not been awarded any design projects from the City in the past 12 months.**

11. Does your firm accept payment by Credit Card? Yes

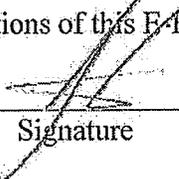
**ADDENDUM ACKNOWLEDGMENT** - Proposer acknowledges that the following addenda have been received and are included in his/her proposal:

Addendum Number	Date Issued
# 1	12/6/2011

**CERTIFICATION:**

This E-Bid is submitted by: Name **Jerry Compton** who is an officer of the above firm duly authorized to sign proposals and enter into contracts. I certify that this E-Bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to comply with all requirements stated in the specifications for this E-bid, the Terms and Conditions including amendments to Master Contract #20100050.

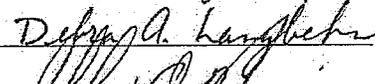
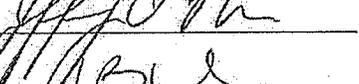
I agree to abide by all conditions of this E-Bid.:

  
 \_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Vice President  
 Title

If a corporation renders this E-Bid, the corporate seal attested by the secretary shall be affixed below. Any agent signing this E-Bid shall attach to this form evidence of legal authority.

**Witnesses:**


**If Partnership:**

\_\_\_\_\_  
 Print Name of Firm

By: \_\_\_\_\_  
 (General Partner)

**If Corporation:**

**Creech Engineers, Inc.**  
 Print Name of Corporation

**If Individual:**

\_\_\_\_\_  
 Signature

  
 By: \_\_\_\_\_  
 (President)

\_\_\_\_\_  
 Print Name

  
 Attest: \_\_\_\_\_  
 (Secretary)





*"A City for All Ages"*

**CITY OF PORT ST. LUCIE**

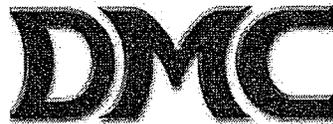
**Sealed Electronic Proposal #20120007R  
(E-Bid)**

**Design and Permitting of Kingsway Waterway**

**Prepared By:  
Cheryl Shanaberger  
Office of Management & Budget  
121 SW Port St. Lucie Boulevard  
Port St. Lucie, FL 34984-5099  
772-871-7390  
cheryls@cityofpsl.com**

**RESPONDENT:**

**Dredging & Marine Consultants**



**ENGINEERS • SCIENTISTS**

**Dredging & Marine Consultants, LLC  
1850 SW Fountainview Blvd., Suite 201  
Port St. Lucie, FL 34986**

**QUESTIONNAIRE**  
**E-Bid #20120007R**  
**Design and Permitting Kingsway Waterway**

It is understood and agreed that the following information is to be used by the City of Port St. Lucie to determine the qualifications of personnel and firm as presented in this document. The Proposer waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Proposer or the personnel of the Proposer.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Consultant, Surety, bank, material or equipment manufacturer or distributor, or any person, firm or corporation to furnish the City of Port St. Lucie any Pertinent information requested by the City deemed necessary to verify the information on this questionnaire.

Dated this 20<sup>th</sup> day of December, 2011

**Dredging & Marine Consultants, LLC**  
Name of Organization / Proposer

1. *Firm's office address, telephone, fax number, e-mail address and contact person for this project*

Dredging & Marine Consultants, LLC  
1850 SW Fountainview Blvd. Suite 201  
Port St. Lucie, FL 34986  
Telephone: 772-878-2905/ 772-678-1523  
Fax: 772-878-2990  
spatel@dmces.com  
Shailesh K. Patel, M.Sc., CPSSc.; cell 386-846-4760

2. *Please include a history of similar projects.*

The following is a select list of dredging and shoreline stabilization projects that Dredging & Marine Consultants, LLC (DMC) completed or has under contract, followed by our sub-consultants. CAPTEC Engineering, Inc. (CAPTEC) will assist DMC with drainage and stormwater design and review of outfall structures, and Ardaman and Associates, Inc. (Ardaman) will assist with slope stability analysis and geotechnical investigation.

**DMC Projects:**

<u>Agency</u>	<u>\$</u>	<u>Contact person</u>	<u>Telephone</u>	<u>email</u>
City of Port St. Lucie	\$15,000	Larry Nadeau	772-871-5104	<a href="mailto:lnadeau@cityofpsl.com">lnadeau@cityofpsl.com</a>

**Kingsway Canal Hurricane Recovery Debris Removal:** This project was to remove hurricane debris from approximately 2 miles of residential canal at an initial cost of \$385,000. DMC's role was to ensure the project



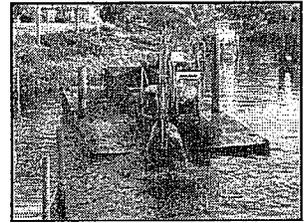
construction was completed on time, within budget, and with ample resources of both equipment and man-power allocated to the project. The project involved management oversight to ensure water quality was maintained and monitored to be in compliance while the work was on-going. NPDES permits were submitted for compliance along with data for turbidity compliance. Barge mounted and land based equipment was brought in to complete this US Natural Resources Conservation Service (NRCS) funded project successfully. Debris, sediment and exotic vegetation was removed from the canal and side slopes, which were then regraded and sodded for stability. All

outfall structures were also cleaned and stabilized for proper functioning. DMC assisted in securing additional funding from NRCS based on its cost estimation. DMC worked with CAPTEC Engineering Inc., who designed and inspected the work, reviewed invoices and tracked costs and facilitated all grant administration requirements.

## DMC Projects, cont'd.:

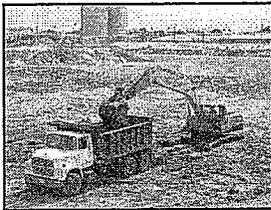
City of Port St. Lucie      \$145,000      Larry Nadeau      772-871-5104      [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)

**City of Port St. Lucie Waterways and Canals Dredging:** DMC evaluated a total of ten residential canals within the City of Port St. Lucie and, upon initial investigation, designed and permitted the dredging of eight canals. The other two canals were found to have adequate depths and did not need any dredging. As the prime consultant, DMC held public meetings with residents to address questions and facilitate an understanding of the work to be completed in each canal. DMC also advised City Staff, provided information for a public website and met with stakeholders to orchestrate a project that would benefit all involved. In addition, DMC coordinated or completed a submerged lands determination, bathymetric survey, shoreline structures and vegetation survey, all environmental resource permitting with both state and federal agencies, disposal site design and selection, bidding, and inspection involved in dredging nearly 18,000 cubic yards of sediment from approximately 5 miles of canals. DMC also coordinated with various departments within the City to get their acceptance of the storage and final material disposal method. In addition, DMC completed review of existing utility plans, safety plan, MOT plans, spill response plans and construction schedules.



St. Lucie County      \$350,000      Donald B. West, PE      772-462-1485      [donw@co.st-lucie.fl.us](mailto:donw@co.st-lucie.fl.us)

**Taylor Creek Restoration Dredging, Phase 1:** DMC engineers and scientists managed, designed, planned and permitted the entire project in coordination with the County staff and funding partners (Florida Inland Navigation District, National Estuary Program, South Florida Water Management District and the Florida Ports Council) that had a vested interest in protecting the water quality and navigation of the Indian River Lagoon. Phase 1 was part of a complex project phased into two dredging events due to limited disposal site area and public concerns. This project focused on removal of fine-grained, organic-bearing sediment generally referred to as "muck." The project utilized chemical polymers for water clarification, innovative techniques to separate material, and dewatering of fine-grained sediment at the disposal site. The primary challenge of the project was dredging approximately 95,000 cubic yards in the first phase, then emptying the disposal site within one year.

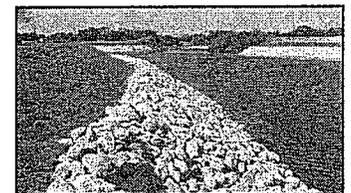


St. Lucie County      \$310,000      Donald B. West, PE      772-462-1485      [donw@co.st-lucie.fl.us](mailto:donw@co.st-lucie.fl.us)

**Taylor Creek Restoration Dredging, Phase 2:** DMC engineers and scientists are managing, designing, planning, and permitting the Phase 2 project in coordination with County staff and funding partners (Florida Inland Navigation District, National Estuary Program, South Florida Water Management District, and the Florida Ports Council) that have a vested interest in protecting the water quality and navigation of the Indian River Lagoon (IRL). This project focuses on removal of approximately 80,000 cubic yards of fine-grained, organic-bearing sediment generally referred to as "muck." In order to dispose of this muck, a dredge material management area needed to be designed, permitted and constructed. After performing environmental assessments, including protected species (tree, scrub jay and gopher tortoise) surveys, and feasibility studies on several parcels, an approximately 20 acre site was selected for the proposed project. DMC staff successfully permitted construction of a dredge material management area that can be utilized for multiple dredging events. Construction of the dredge material management area will begin in the winter of 2012 with dredging expected in the summer of 2013.

St. Lucie County      \$107,000      Donald B. West, PE      772-462-1485      [donw@co.st-lucie.fl.us](mailto:donw@co.st-lucie.fl.us)

**Taylor Creek Restoration Shoreline Stabilization, Phase 3:** DMC engineers and scientists managed, designed, planned and permitted the entire project in coordination with the County staff, the project property owner (the South Florida Water Management District), and the regulatory agencies (Florida Department of Environmental Protection and the US Army Corps of Engineers). DMC evaluated over 1 mile of shoreline along the north and south banks of Taylor Creek and identified 2,800 linear feet of critical areas. Historically, waters entering Taylor Creek from both the North Belcher Canal and the C-25 Canal (through the S-50 control structure) have



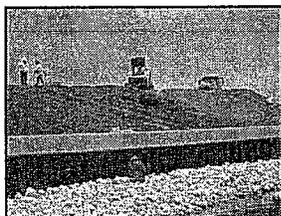
## DMC Projects, cont'd.:

compromised the structural integrity of its banks as it flows to the Indian River Lagoon. The first two phases of this project involved the dredging of Taylor Creek to improve water quality, protect mangroves/shoreline vegetation and remove undesirable muck sediments. Phase 3 was designed in conjunction with the other phases to reduce the sedimentation rate from the uplands while taking into account several other concerns: future erosion potential, historical erosion rate, right of way width and impacts to natural resources.

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St. Lucie County      \$185,000      Donald B. West, PE      772-462-1485      [donw@co.st-lucie.fl.us](mailto:donw@co.st-lucie.fl.us)

**Taylor Creek Emergency Shoreline Stabilization:** St. Lucie County obtained grant funding through NRCS to permanently repair erosion caused by years of high velocity discharge from the C-25 and Belcher Canals. This erosion was accelerated during Tropical Storm Fay and threatened a shopping center stormwater pond and parking lot. DMC was tasked with design, permitting and completing the construction of this entire project in just six months in order to satisfy grant conditions. Our staff engineered, bid and managed construction of a 210 foot long retaining wall with rip-rap toe scour protection, completed environmental resource permitting through FDEP, SFWMD, and USACOE, and coordinated hydrographic and topographic surveys as well as in-water and on-land geotechnical investigation. In addition, DMC coordinated design with the funding agency and provided all reporting requirements to complete the project in six months.



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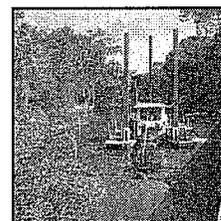
SFWMD      Est: \$281,000      Lucine Dadrian, PE      561-682-2685      [ldadrian@sfwmd.gov](mailto:ldadrian@sfwmd.gov)

**G-16 Canal Conveyance Capacity Program, Phase 2:** DMC successfully assessed just under 5 miles of the existing drainage canal G-16 for the SFWMD Canal Conveyance Capacity Program. Staff assembled available topographic and hydrographic surveys, coordinated slope stability analysis, performed environmental resource surveys and collected potential dredge sediment for chemical testing and geotechnical analysis. DMC also reviewed as-built plans and documented existing conditions, focusing on areas of potential failure. Finally, DMC engineers prepared in-depth reports describing current canal conditions and provided plans, procedures and detailed cost estimations for necessary repairs.

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City of Port Orange      \$87,000      Shannon Lewis      386-506-5501      [slewis@port-orange.org](mailto:slewis@port-orange.org)

**B-23 Canal Dredging and Seawall Restoration:** DMC designed, permitted and provided construction inspection for the dredging and seawall replacement of an almost 1 mile long residential canal. As project engineers, DMC coordinated with a multiple agency group consisting of SJRWMD, USACOE, FIND, Harbor Oaks Homeowners Association and several contractors to successfully dredge almost 20,000 cubic yards of muck material. In addition, DMC provided complete construction inspection, reporting and invoice approval to revitalize the canal as a crucial part of the Rose Bay Restoration. DMC also provided the City with project progress updates for newsletters and attended public meetings to keep the affected residents informed on the construction progress.



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City of Port Orange      \$100,000      Susan Lovallo      386-506-5862      [slovallo@port-orange.org](mailto:slovallo@port-orange.org)

**Parks and Public Shoreline Protection:** DMC assisted the City with the evaluation of 23 public shoreline parcels and parks that were significantly impacted by the 2004-2005 hurricanes. Over 2 miles of shoreline were evaluated with structures such as rock revetments, natural vegetated shoreline and seawalls. Areas in need of repairs were identified and the required redesigns were engineered. DMC assisted with securing a Community Development Block Grant of \$575,000 and coordinated work with DCA. DMC secured permits and exemptions from FDEP, SJRWMD, USACOE and DOT as well as prepared construction bid documents, funding updates/reporting, and construction inspection.

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SFWMD      \$66,000      Lucine Dadrian, PE      561-682-2685      [ldadrian@sfwmd.gov](mailto:ldadrian@sfwmd.gov)

**Canal Conveyance Capacity Program, Phase 1:** DMC assessed just over 40 miles of existing drainage canals L-14, C-23, and C-23A for the SFWMD Canal Conveyance Capacity Program. Assigned canals in Palm Beach, Martin, and St. Lucie Counties DMC reviewed as-built plans and then documented existing conditions especially focusing on areas of potential failure. Finally, DMC engineers prepared in-depth reports describing current canal conditions and provided cost estimations of necessary repairs.

**CAPTEC (Sub-consultant) Projects:**

<u>Agency</u>	<u>\$</u>	<u>Contact person</u>	<u>Telephone</u>	<u>email</u>
City of Port St. Lucie	\$558,900	James Angstadt, PE	772-344-4239	<a href="mailto:jangstadt@cityofpsl.com">jangstadt@cityofpsl.com</a>

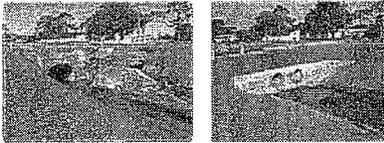
**Eastern Watershed Improvement Project – Design:** Based on recommended improvements contained in our report generated under a previous phase, CAPTEC provided engineering coordination of design surveying services by the City’s surveyor; provided analyses of property acquisition options; finalized drainage basin studies of Howard Creek, Midport, and Eastport 1 (Tiffany) and Eastport 2 (Blackwell) Drainage Basins; coordinated environmental services to delineate gopher tortoise habitat and wetland limits in the improvement areas; prepared civil engineering construction plans and environmental planting plans; obtained SFWMD/ACOE/FDEP permits; and provided bidding assistance for implementation of the recommended improvements of the \$36 million bond project. This project was also submitted to the Florida Institute of Consulting Engineers for consideration of the 2012 Engineering Excellence Award.

City of Port St. Lucie	\$665,000	Larry Nadeau	772-871-5104	<a href="mailto:lnadeau@cityofpsl.com">lnadeau@cityofpsl.com</a>
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**Hurricane Recovery/Emergency Watershed Protection – NRCS Contract #69-4209-6-1607:** CAPTEC provided coordination, technical support, engineering design and construction services to remove wind-blown debris and install emergency erosion protection measures to relieve hazards/damage caused by Hurricane Wilma in canals and waterways throughout the City of Port St. Lucie. Dozens of projects were completed under this \$14 million construction contract, including Kingsway Waterway improvements. Construction certification and NRCS close-out assistance were also provided.

Ft. Pierce Engrg Dept.	\$115,500	John R. Andrews, PE	772-462-2200	<a href="mailto:jandrews@ftpierceeng.com">jandrews@ftpierceeng.com</a>
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**Moore’s Creek, NRCS Project No.: 125-406 – NRCS Contract # 69-4209-6-1629:** CAPTEC provided



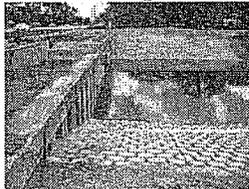
engineering services for stormwater management/ debris removal from waterways & canals, repair of eroded areas, and sodding of disturbed areas at Moore’s Creek, Indian Hills and 29th Street at Virginia Avenue drainage areas. Services for this NRCS funding assisted project were provided under a continuing services contract with the City of Ft. Pierce.

Engrg Design & Const, Inc	\$137,705	Roderick J. Kennedy, PE	772-462-2455	<a href="mailto:rodkenedy@edc-inc.com">rodkenedy@edc-inc.com</a>
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**D-9 Canal & Hogpen Slough Improvement Project:** CAPTEC teamed with EDC for this St. Lucie County project to jointly provide engineering services, including coordination with City/County staff, engineering design, permitting, bidding assistance and CEI services to repair and install erosion protection measures for ±7,000 LF of the D-9 Canal channel erosion from Bayshore Boulevard to the D-5 Canal, and for ±3,000 LF of the Hogpen Slough from US-1 to Village Green Drive including renovation of the City’s H-60 Control Structure such as SCADA controlled auto-actuators for the operable gates. The H-60 Control Structure, located just east of US-1, is the discharge control for the Hogpen Slough (AKA the H-16 Canal), which is the primary drainage canal for the northern portion of the City’s Midport Drainage Basin. CAPTEC will also jointly provide contractor requisition oversight/approvals, construction certifications and close-out assistance duties.

City of Port St. Lucie	\$106,810	Larry Nadeau	772-871-5104	<a href="mailto:lnadeau@cityofpsl.com">lnadeau@cityofpsl.com</a>
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**NRCS Tropical Storm Fay Emergency Watershed Protection - NRCS Contract # 69-4209-9-1713:**



CAPTEC provided coordination, technical support, engineering design, and CEI services to install emergency watershed protection measures to relieve hazards and damages created by Tropical Storm Fay in canals and waterways within the City. Generally, the repairs relate to the City’s stormwater infrastructure, such as piping, inlets, headwalls, canals, and/or control structures. Coordination with NRCS representatives and preparation of NRCS periodic payment requisitions was also performed.

City of Port St. Lucie	\$196,500	Larry Nadeau	772-871-5104	<a href="mailto:lnadeau@cityofpsl.com">lnadeau@cityofpsl.com</a>
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**E-8 Waterway Phase 1 Water Quality Retrofit:** This project was the first phase of a stormwater quality retrofit BMP improvement for the City of Port St. Lucie Watershed “B” drainage basin. Watershed "B" is bordered by SFWMD C-24 Canal to the north, I-95 to the west, Gatlin Boulevard to the south & the FL Turnpike to the east. The E-8 Canal is the stormwater outfall for the 2,100 to the SFWMD C-24 Canal, and ultimately, the North Fork of the St. Lucie River. CAPTEC assisted the City to obtain SLRIT Grant funding and a Florida Forever grant to

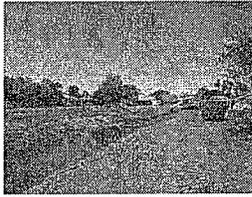
**CAPTEC (Sub-consultant) Projects, cont'd.:**

assist with construction of Phase 1. The Phase 1 E-8 Waterway water quality retrofit improvements enhanced stormwater drainage and flood protection capacity, improved water quality, restored native vegetation and habitat, and provided an opportunity for environmental education.

City of Port St. Lucie      \$60,500      Larry Nadeau      772-871-5104      [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)

**E-8 Waterway Phase 2 Water Quality Retrofit:** CAPTEC provided engineering services for the 1,756 acre Phase 2 retrofit in central & western sections of the City's Watershed "B" drainage basin. Improvements included control structure upgrades, accumulated sediment removal & installation of a STA (vegetated marsh flow-ways) to reduce sediment & pollutant loads discharging into the C-24 Canal & North Fork of the St. Lucie River. Canals & swales were enhanced by removing exotic vegetation, re-planting native species, removing sediments & repairing eroded areas.

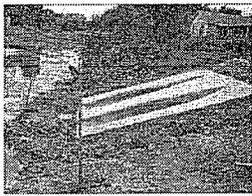
City of Port St. Lucie      \$27,725      Larry Nadeau      772-871-5104      [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)



**E-8 Waterway Phase 3 Water Quality Retrofit:** CAPTEC provided engineering services for channel side slope re-grading and sodding to repair eroded areas; and channel dredging to remove accumulated muck and other sediments to reduce sediment loads currently discharging into the SFWMD C-24 Canal and the NF SLR. These improvements further enhanced stormwater drainage and flood protection capacity, improved stormwater quality treatment, and restored habitat in the western portions of Watershed B. Several of the existing tributary canals and swales were also enhanced by

removal of existing exotic and nuisance vegetation, removal of accumulated waterway sediments, and repair of eroded areas.

City of Port St. Lucie      \$162,010      Larry Nadeau      772-871-5104      [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)



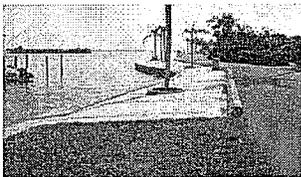
**E-8 Waterway NRCS Emergency Watershed Protection – NRCS Contract # 69-4209-11-1768:** Work tasks involved consulting engineering for repair of storm damages to the City's stormwater infrastructure. CAPTEC designed the repair of ten (10) stormwater infrastructure areas along the City's E-8 Canal. The work consisted of repairs to the City's stormwater infrastructure including culverts, inlets, headwalls, canals, and control structures. CAPTEC provided coordination, technical support, engineering design, CEI services and NRCS close-out assistance to install emergency watershed

protection measures to relieve hazards and damages in the E-8 Canal and tributary waterways. The E-8 Canal is generally located north of Gatlin Boulevard, east of I-95, south of the SFWMD C-24 Canal and west of Port St. Lucie Boulevard within the City's Watershed B.

City of Port St. Lucie      \$108,620      Larry Nadeau      772-871-5104      [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)

**D-17 Canal Re-grading – CDBG Grant Project:** CAPTEC provided coordination with City staff, surveyor sub-consultant, engineering design, permitting, bidding assistance and CEI services to repair and install erosion protection measures for approximately 6,300 LF of D-17 Canal channel erosion from Bayshore Boulevard to Ravenswood Lane.

Town of Sewall's Point      \$61,258.67      Robert Kellogg      772-288-5927      [rkellogg@martin.fl.us](mailto:rkellogg@martin.fl.us)



**Simara Street Bridge Reconstruction:** CAPTEC provided design, permitting and CEI services for renovation of hurricane damaged 560' x 20' roadway, 70' x 5' seawall and 42' long section of concrete seawall cap. Construction included replacement of washed out roadway slopes and 530 CY of fill, repair of 20'x6"x18" Type D concrete curb, replacement of 160 LF standard guardrail and post, and replacement of twelve traffic/directional signs.

### Ardaman (Sub-consultant) Projects:

Agency	\$	Contact person	Telephone	email
City of Port St. Lucie	\$4,000	Larry Nadeau	772-871-5104	<a href="mailto:lnadeau@cityofpsl.com">lnadeau@cityofpsl.com</a>
<p><b>D-9 Canal Restoration Project:</b> Ardaman performed a limited subsurface soil exploration and geotechnical engineering evaluation for the City of Port St. Lucie D-9 Canal to identify possible corrective measures for rehabilitating the canal bank slopes to an acceptable condition and assisting the client evaluate the possible corrective measures. Ardaman's work included site observations, auger borings, laboratory testing, and engineering analyses. In addition, Ardaman provided consulting services during the development of the construction plans, details and project specifications.</p>				
FPFWCD	\$21,900	Tom F. McGowan, P.E.	772-286-3883	<a href="mailto:tom.mcgowan@aecom.com">tom.mcgowan@aecom.com</a>
<p><b>Fort Pierce Farms Water Control District (FPFWCD) Canal No. 1 – South Bank:</b> Ardaman performed subsurface soil explorations and geotechnical engineering evaluations for the south bank of the FPFWCD Canal No. 1 to evaluate the global stability of the proposed canal slope geometry and assist the client evaluate possible corrective measures. Ardaman's work included site observations, Standard Penetration Test (SPT) borings, auger borings, laboratory testing, and engineering analyses. In addition, Ardaman provided consulting services during the development of the construction plans, details and project specifications.</p>				
NSLRWCD	\$6,435	Tom F. McGowan, P.E.	772-286-3883	<a href="mailto:tom.mcgowan@aecom.com">tom.mcgowan@aecom.com</a>
<p><b>North St. Lucie River Water Control District (NSLRWCD) Canal No. 8 Realignment:</b> Ardaman performed a subsurface soil exploration and geotechnical engineering evaluation for the NSLRWCD Canal No. 8 to evaluate the global stability of the proposed canal slope geometry. Ardaman's work included site observations, Standard Penetration Test (SPT) borings, laboratory testing, and engineering analyses. In addition, Ardaman provided consulting services during the development of the construction plans, details and project specifications.</p>				
Fort Pierce/NSLRWCD	\$15,500	Stefan K. Matthes, P.E.	772-464-3537	<a href="mailto:smatthes@ct-eng.com">smatthes@ct-eng.com</a>
<p><b>Pinecrest Estates Drainage Improvements:</b> Ardaman performed a subsurface soil exploration and geotechnical engineering evaluation for the City of Fort Pierce Canal No. 7 and the Pinecrest Estates Ditch to evaluate the global stability of the proposed canal slope geometry and the suitability for supporting the replacement culvert and associated endwalls at the South 33rd Street crossing. Ardaman's work included site observations, Standard Penetration Test (SPT) borings, laboratory testing, and engineering analyses. In addition, Ardaman provided consulting services during the development of the construction plans, details and project specifications.</p>				

3. *Detail of staff experience in dredge design and slope restoration projects, including dredge templates, permitting, spoil disposal (acceptability parameters) and budget results*

The following are examples of previous experience in dredging and shoreline stabilization/ protection related projects completed by DMC staff at DMC and at other firms where indicated.

Staff Name	Title	Years Exp	Company	Project Name and Description	Budget	
Shailesh K. Patel, M.Sc., CPSSc.	Principal/ Senior Project Manager	20	DMC	Kingsway Canal Hurricane Recovery Debris Removal	\$680,000	
			BCI/DMC	Port St. Lucie Waterways and Canals Dredging	\$450,000	
				Taylor Creek Restoration, Phase 1 Dredging	\$3,000,000	
				Taylor Creek Restoration, Phase 2 Dredging	\$4,000,000	
				Taylor Creek Restoration, Phase 3 Shoreline Stabilization	\$1,200,000	
				Taylor Creek Emergency Shoreline Stabilization	\$403,000	
				SFWMD G-16 Canal Conveyance Capacity Program, Phase 2	\$2,500,000	
				B-23 Canal Dredging & Seawall Restoration	\$1,600,000	
				SFWMD L-14, C-23, C-23A CCCP, Phase 1	\$20,000,000	
				Reed Canal Access Dredging	\$1,250,000	
				BCI	Turkey Creek Restoration Dredging	\$1,500,000
				BCI	Crane Creek Restoration Dredging	\$1,200,000
					Lake Jessup Aquatic Enhancement Dredging	\$7,800,000
				BCI	Lake Hollingsworth Restoration Dredging	\$12,000,000
				BCI	Lake Maggiore	\$8,000,000
					City of New Smyrna Beach Calore Canal Dredging	\$1,160,000
					Panama City Dredging and Shoreline Stabilization	\$900,000
					City of Port Orange Parks Shoreline Stabilization	\$323,000
					Halifax Harbor Marina Dredging	\$800,000
					Sweetwater Cove Tributary Restoration Dredging	\$1,700,000
	Ponce Inlet Side Channel Dredging	\$355,000				
	Wooton Park Boat Ramp Dredging	\$85,000				
	Summerall Park Access Channel Dredging	\$71,000				
	Lake Rowell Restoration Dredging Design	\$212,000				
	Lake Seminole Restoration Dredging	TBD				
	Tavares Recreational Park Boat Ramp Dredging	\$75,000				
Curtis N. Todd, P.E.	Senior Project Engineer	30	DMC	Port St. Lucie Waterways and Canals Dredging	\$450,000	
				Taylor Creek Restoration, Phase 2 Dredging	\$4,000,000	
				Taylor Creek Restoration, Phase 3 Shoreline Stabilization	\$1,200,000	
				Taylor Creek Emergency Shoreline Stabilization	\$403,000	
				SFWMD G-16 Canal Conveyance Capacity Program, Phase 2	\$2,500,000	
				B-23 Canal Dredging & Seawall Restoration	\$1,600,000	
				SFWMD L-14, C-23, C-23A CCCP, Phase 1	\$20,000,000	
				Reed Canal Access Dredging	\$1,250,000	
				City of New Smyrna Beach Calore Canal Dredging	\$1,160,000	
				Panama City Dredging and Shoreline Stabilization	\$900,000	
				City of Port Orange Parks Shoreline Stabilization	\$323,000	
				Halifax Harbor Marina Dredging	\$800,000	
				Sweetwater Cove Tributary Restoration Dredging	\$1,700,000	
				Ponce Inlet Side Channel Dredging	\$355,000	
				Wooton Park Boat Ramp Dredging	\$85,000	
				Summerall Park Access Channel Dredging	\$71,000	
Lake Rowell Restoration Dredging Design	\$212,000					
Lake Seminole Restoration Dredging	TBD					
	Tavares Recreational Park Boat Ramp Dredging	\$75,000				
Joshua J. Revord, E.I.	Engineer	2	DMC	Port St. Lucie Waterways and Canals Dredging	\$450,000	
				Taylor Creek Restoration, Phase 2 Dredging	\$4,000,000	
				SFWMD G-16 Canal Conveyance Capacity Program, Phase 2	\$2,500,000	
				B-23 Canal Dredging & Seawall Restoration	\$1,600,000	
				Reed Canal Access Dredging	\$1,250,000	
				City of New Smyrna Beach Calore Canal Dredging	\$1,160,000	
				Tavares Recreational Park Boat Ramp Dredging	\$75,000	
	Lake Seminole Restoration Dredging	TBD				

3. Detail of staff experience in dredge design and slope restoration projects, including dredge templates, permitting, spoil disposal (acceptability parameters) and budget results cont'd

Staff Name	Title	Years Exp	Company	Project Name and Description	Budget
Joseph M. Faella	Aquatic Biologist	10	DMC	Port St. Lucie Waterways and Canals Dredging	\$450,000
				Taylor Creek Restoration, Phase 2 Dredging	\$4,000,000
				Taylor Creek Restoration, Phase 3 Shoreline Stabilization	\$1,200,000
				Taylor Creek Emergency Shoreline Stabilization	\$403,000
				SFWMD G-16 Canal Conveyance Capacity Program, Phase 2	\$2,500,000
				B-23 Canal Dredging & Seawall Restoration	\$1,600,000
				SFWMD L-14, C-23, C-23A CCCP, Phase 1	\$20,000,000
				Reed Canal Access Dredging	\$1,250,000
				City of New Smyrna Beach Calore Canal Dredging	\$1,160,000
				Panama City Dredging and Shoreline Stabilization	\$900,000
				City of Port Orange Parks Shoreline Stabilization	\$323,000
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				Ponce Inlet Side Channel Dredging	\$355,000
				Wooton Park Boat Ramp Dredging	\$85,000
				Summerall Park Access Channel Dredging	\$71,000
				Lake Rowell Restoration Dredging Design	\$212,000
Lake Seminole Restoration Dredging	TBD				
Tavares Recreational Park Boat Ramp Dredging	\$75,000				
Niles C. Cyzycki	Ecologist	7	DMC	Port St. Lucie Waterways and Canals Dredging	\$450,000
				Taylor Creek Restoration, Phase 2 Dredging	\$4,000,000
				Taylor Creek Restoration, Phase 3 Shoreline Stabilization	\$1,200,000
				Taylor Creek Emergency Shoreline Stabilization	\$403,000
				SFWMD G-16 Canal Conveyance Capacity Program, Phase 2	\$2,500,000
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				Wooton Park Boat Ramp Dredging	\$85,000
				Summerall Park Access Channel Dredging	\$71,000
				Lake Rowell Restoration Dredging Design	\$212,000
Lake Seminole Restoration Dredging	TBD				
Tavares Recreational Park Boat Ramp Dredging	\$75,000				

4. Identify the staff assigned to the project and the scope of work to be performed.

Dredging and Marine Consultants, LLC (Prime)	Years with Company	Scope of Work
Shailesh K. Patel, M.Sc., CPSSc.	10	<b>President, Senior Project Manager:</b> Mr. Patel specializes in dredging and sediment management projects. He will serve as the senior project manager and will be the point-of-contact for all contractual aspects of the project. He will provide technical review and overall quality assurance/ quality control (QA/QC) over all DMC and sub-consulting staff. Mr. Patel will facilitate the overall engineering, strategic planning and sequencing of the project. He will also evaluate the environmental and economic feasibility and represent the City's project manager during interactions with council members, the general public and other stakeholders, as he has done in the past dredging projects for the City. He will communicate with the City's OMB Department during the contractual phase, during the bidding and inspection processes and throughout the project. Mr. Patel will lead weekly project meetings internally at DMC and with the sub-consultants as needed, to ensure resource allocation, work quality, efficiency and consistent communications with the City staff for the duration of the project.
Curtis N. Todd, P.E.	5	<b>Senior Project Engineer:</b> Mr. Todd is a senior level engineer specializing in dredging, stormwater drainage and civil site engineering projects. His primary roles in this project will be in the design, review and certification of dredge and disposal activities. He also provides the technical language in the bid specifications and assists with the bidding process. During the design phase, Mr. Todd will be evaluating the existing drainage facilities, shorelines and hydrographic data. He will incorporate drainage upgrades and slope stabilization measures into the design along with the cross-sections and templates needed for dredging. Mr. Todd will communicate with construction inspectors to ensure engineering compliance according to design and regulatory guidelines. He will review data or requests from sub-consultants and contractors as well as historical data, as-built surveys and compliance records.
Joshua J. Revord, E.I.	2	<b>Engineer:</b> Mr. Revord specializes in marine engineering projects related to waterway dredging, structures and processes. He will serve as co-manager with Mr. Patel. Prior to construction, he will assist with developing the construction plans, calculating engineering quantities and preparing a long-term Operation and Maintenance Plan. During dredging and disposal activities, he will be conducting construction inspections and on-site technical reviews while collaborating with engineering and environmental review staff. He will work closely with the contractor to maintain the required engineering, safety, maintenance of traffic and environmental compliance. In addition, Mr. Revord is PADI dive certified and assists ecological staff with underwater assessments and environmental monitoring during all phases of design and construction.

Identify the staff assigned to the project and the scope of work to be performed cont'd.

Dredging and Marine Consultants, LLC (Prime)	Years with Company	Scope of Work
Joseph M. Faella	5	<b>Aquatic Biologist:</b> Mr. Faella is experienced in habitat assessments, benthic population monitoring and wetland mitigation. He also is an avid grant writer and will manage the grant acquisition and administration tasks. During the design phase, he will work closely with engineering staff to establish vegetation removal and sodding details. In the field, he is part of the environmental team that will conduct assessments before, during and after construction to monitor ecological resources and ensure permit compliance. Mr. Faella will be responsible for ensuring that all floral and faunal assessments are evaluated with acceptable protocols and documented for permitting use, including identification of any exotic vegetation such as Brazilian pepper. At upland areas proposed for impacts, such as the disposal site, Mr. Faella will evaluate the preexisting ecological conditions and work with regulatory staff to initiate an appropriate mitigation plan to compensate for impacts, if necessary. He will also assist with construction inspections as needed to alleviate the primary inspector.
Niles C. Cyzycki	5	<b>Ecologist:</b> Mr. Cyzycki is knowledgeable in threatened and endangered species surveys, submerged aquatic vegetation (SAV) assessments and environmental resource permitting. He manages the permit application process and will communicate directly with FDEP, SFWMD, FDOT and USACOE to secure all necessary permits for this project. He also prepares the bid specifications according to the details of the construction plans. In the field, Mr. Cyzycki is part of the environmental team that will conduct assessments before, during and after construction to monitor ecological resources and ensure permit compliance. Mr. Cyzycki is certified through the Florida Department of Environmental Protection as a Stormwater Inspector and will review and enforce contractor turbidity control measures, manatee compliance and other permit conditions. He will ensure that all Standard Manatee Construction Conditions are followed and documented as required by the various agencies. He will also assist with construction inspections as needed to alleviate the primary inspector.
<b>CAPTEC Engineering, Inc. (Drainage, Stormwater &amp; Structures)</b>	Years with Company	Scope of Work
Joseph W. Capra, PE	15	<b>President, Principal in Charge:</b> Mr. Capra will provide design oversight/quality control services for all drainage, stormwater, and/or structures improvements. He will conduct periodic reviews throughout the life of the project to ensure technical competency of the project documents and appropriate staffing efforts to meet the project budget and timeline goals. Quality control reviews will be performed prior to all milestone submittals and weekly project staff meetings will monitor production status to ensure the progress of all action items.

Identify the staff assigned to the project and the scope of work to be performed cont'd.

CAPTEC Engineering, Inc. (Drainage, Stormwater & Structures)	Years with Company	Scope of Work
Steve Marquart, PE	8 ½	<b>Project Manager:</b> Collaborating with DMC and using his extensive experience with City of Port St. Lucie drainage systems, Mr. Marquart will provide engineering design, survey coordination, permitting and bid specifications for the drainage upgrades along the Kingsway Waterway within the City owned Drainage Rights-of-Way.
Rhett Keene, PE	10	<b>Project Engineer:</b> Mr. Keene will contribute his considerable knowledge of City of Port St. Lucie drainage systems by assisting with preparation of the design, permitting and bid specification documents for this dredging/drainage project.
Gina Colonna	7	<b>Project Coordinator:</b> Ms. Colonna possesses a broad understanding of City of Port St. Lucie protocol and design/permitting submittal requirements, from prior experience on a variety of City drainage projects. Ms. Colonna will serve as the administrative liaison between DMC and CAPTEC, coordinating meetings and submittals with DMC staff; and she will also assemble/submit the necessary permit application packages to the various regulatory agencies.
GCY, Inc. (Topographic & Hydrographic Survey)	Years with Company	Scope of Work
George C. Young, Jr., PSM	17	<b>Principal:</b> Mr. Young will provide QA/QC for all work related to topographic and hydrographic surveying. This includes confirmation and verification that the correct survey datum is utilized throughout the project.
Pete Anderson, PSM	10	<b>Project Manager:</b> Mr. Anderson will be responsible for overall project management, coordination of survey crews, QA/QC, and final production of deliverables.
Ardaman and Associates, Inc. (Slope Stability Analysis & Geotechnical Investigation)	Years with Company	Scope of Work
Daniel J. Zrallack, P.E.	14	<b>Project Manager:</b> Mr. Zrallack will provide overall project management, coordination of any geotechnical boring drill crews, oversight of all geotechnical reports and project QA/QC.
Will B. Cornelius II, P.E.	7	<b>Engineer:</b> Mr. Cornelius will act as the geotechnical engineer responsible for all sediment testing and geotechnical borings and provide slope stability analysis if necessary.
Pace Analytical Services, Inc. (Sediment and Water Chemical Analysis)	Years with Company	Scope of Work
Jeff Baylor	10	<b>Project Manager:</b> Mr. Baylor will act as project manager, provide QA/QC and oversee all chemical testing associated with the dredge material.

5. *Identify your firm's procedures and experience with sediment composition sampling/analysis.*

Sediment geotechnical and chemical analyses, and associated surface water analyses, are often completed within predetermined project areas to obtain a subsurface "snap shot" of the waterway to be dredged. Geotechnical testing is necessary to determine the potential presence of physical characteristics that could affect methodology of dredging, as well as handling and dewatering during disposal. Typically, sandy sediments can be easily dewatered and incorporated into other construction projects and are of greater demand, resulting in less challenges for disposal. In addition, trucking and grading of sandy sediment present fewer material management challenges and result in less expensive handling. On the other hand, the large presence of fine materials can make sediment handling, dewatering and trucking more challenging and costly. Often, fine materials require specialized equipment, such as hydrocyclones for material separation and then belt presses, filter presses, or geotextile tubes for additional dewatering, followed by polymer treatment for water clarification to meet discharge criteria set forth in the permitting. Often, sealed trucks are utilized for transportation of fine material, and larger disposal sites are used to contain these types of sediments. All of these assessments for dewatering and hauling utilize the sediment physical parameters and it is critical that samples are collected to best represent the type(s) of material that may be encountered. This information also enables proper design of the required disposal areas, which may be limited in these residential areas.

Chemical testing of sediment is required to determine disposal and permitting options. Higher than acceptable or regulated concentrations of certain metals, pesticides, herbicides, hydrocarbons and other important elements or compounds can complicate the process of dredging and disposal due to potentially detrimental health and environmental effects. These negative attributes reduce the permitting options for selecting appropriate disposal sites, and can require special handling and disposal at landfills for permanent sediment storage. In addition to sediment data, surface water chemistry testing data are useful during the permitting process to better understand its influence on sediment chemistry and local inputs into the system.

Our environmental staff is well trained to follow state and federal Standard Operating Procedures (SOP's) for the collection, transport, storage and analysis of sediment and water samples for any type of project. Guidelines from the US Environmental Protection Agency (EPA), the Standard Methods for the Examination of Water and Wastewater, and Florida Department of Environmental Protection (FDEP) QA Rule, 62-160, F.A.C. are applied to each project as required. As additional assurance, DMC field staff has specifically received training from the University of Florida in a field and classroom intensive course called "FDEP SOP Sampling Training for Groundwater, Surface Water and Wastewater."

DMC's environmental staff collects composite sediment samples to at least the anticipated dredge depths within the project area. Semi-random locations are chosen based upon overall distribution through the waterway and proximity to structural boundaries. A handheld GPS receiver is used to document sampling locations. A five foot long, two inch diameter, stainless steel Wildco Ogeechee/ hand corer is used to collect samples to the anticipated dredge depths or sampler refusal at each location. Associated surface water is often collected from the middle of the water column at the same locations using a Wildco Beta water sampler.

All sediment and water collection is performed according to the appropriate Standard Operating Procedures (SOP's) of the Florida Department of Environmental Protection (FDEP) cited in 62-160, F.A.C. These SOP's include FQ 1000 (Quality Control), FS 1000 (General Sampling), FS 2000 (General Water Sampling), FS 2100 (General Surface Water Sampling) and FS 4000 (Sediment Sampling). Per the SOP's, sampling devices are thoroughly cleaned with Liqui-Nox phosphate-free detergent and de-ionized water, and rinsed with site water prior to each sample collection; and powder/ latex-free gloves are used during all cleaning and collection. During collection, samples are visually analyzed and site conditions are recorded. Samples are placed into the appropriate containers, preserved and transported to the laboratory according to the FDEP SOP's. Specific

5. *Identify your firm's procedures and experience with sediment composition sampling/analysis cont'd.*

sample identification numbers are assigned to the samples. These ID numbers are labeled on all sample containers, chain of custody forms and data sheets. The laboratories, then, utilize these ID numbers for testing and reporting results.

Physical sediment testing will be performed by Ardaman and Associates, Inc. according to American Society for Testing and Materials (ASTM) standards. Physical testing usually consists of sieve analyses, percent fines, organic content, solids content, specific gravity and Atterberg Limit evaluations. Chemical testing is performed by Pace Analytical Services, a National Environmental Laboratory Accreditation Conference (NELAC) facility. Sediment chemistry testing parameters normally include pesticides, herbicides, polychlorinated biphenyls (PCB), total metals, total recoverable petroleum hydrocarbons (TRPH) and polycyclic aromatic hydrocarbons (PAH). Surface water chemistry parameters may include sodium, specific conductance, salinity, pH, chloride and various forms of nutrients (phosphorus and nitrogen).

6. *Explain your firm's process for environmental assessment, including floral/fauna/native species and monitoring.*

Collectively, DMC's environmental staff has had extensive training and project experience conducting environmental assessments and monitoring biological populations. For this waterway dredging project, aquatic resource surveys will need to be conducted, including submerged aquatic vegetation (SAV) surveys, benthic invertebrate sampling and shoreline vegetation monitoring. In addition, some wetland and terrestrial evaluations may be necessary to determine potential impacts of construction lay-down, loading/ unloading and disposal areas near the waterway. The Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP's) used in such tasks include FQ 1000 – Quality Control, FS 1000 – General Sampling, FS 2000 – Water Sampling Series, FS 3000 – Soil Sampling, FS 4000 – Sediment Sampling, FS 7000 – Biological Communities, FS 8200 – Clean Sampling for Trace Metals, FT 1000 – Field Testing Series, FT 3000 – Habitat Assessment and LT 7000 – Biological Indices.

SAV procedures involve a visual reconnaissance, regularly spaced transects and snorkeling/ diving to identify the presence, locations, percent cover and density of seagrass species. Florida Fish and Wildlife Conservation Commission survey protocols are followed. Benthic sampling is conducted using a standard petite Ponar grab and US No. 35 (500 micron) mesh sieve bucket according to the FL Department of Environmental Protection (FDEP) protocol and sections 10500 A and B of the "Standard Methods for the Examination of Water and Wastewater". Shoreline vegetation is evaluated by boat and land along the waterway. Native species will be identified for protection prior to commencement and monitored during and after dredging operations. While conducting in-water assessments, miscellaneous fish and invertebrates encountered will be identified and protocol will be followed to protect those that are listed as threatened or endangered.

At the land/ water interface, wetland delineations may be performed to establish ecological boundaries. DMC's ecologists are FWC authorized to survey, permit and relocate gopher tortoises, so potentially occupied tortoise burrows found in impacted upland areas will be identified and protocol will be followed to temporarily protect or permanently remove its occupants. Florida scrub jay surveys may also be necessary in adjacent and nearby upland ecosystems. DMC's ecological staff is experienced in following the necessary US Fish and Wildlife Service protocol using bird song recordings at intervals within a transect system to attract individuals present in the area. Other terrestrial floral and faunal assessments, including threatened and endangered species surveys and exotic/non-native vegetation identification, will be performed as necessary to determine the potential dredging or disposal impacts on the area's ecological integrity.

6. *Explain your firm's process for environmental assessment, including floral/fauna/native species and monitoring cont'd.*

All field work methodology is reviewed by our senior staff prior to execution to ensure local, state and federal SOP's are employed. Each step of the project has QA/QC incorporated, and this is extended to sub-consultants as well. Each sub-consultant will be required to submit their QA/QC plans for review and identify a key contact person responsible for such activity.

7. *Detail your firm's experience and staffing capabilities in regards to endangered species evaluation and monitoring.*

Environmental scientists on staff include Mr. Joseph Faella, an aquatic biologist experienced in shoreline habitat assessments, benthic population monitoring and wetland mitigation; and Mr. Niles Cyzycki, an ecologist experienced in threatened and endangered species surveys, submerged aquatic vegetation (SAV) assessments and environmental permitting. Mr. Joshua Revord is a PADI dive certified marine engineer who specializes in underwater assessments and resource surveys. Mr. Shailesh Patel, DMC's Principal, is a soil and water scientist by training and specializes in dredging and sediment management. He presents a workshop on Managing Sediment Removal Projects at the Annual Florida Lake Management Society Conference and served as the society's president twice. The aforementioned DMC staff has varied technical backgrounds, and the best suited professional manages or co-manages a particular project. Our scientific staff is state-certified, licensed and trained in a variety of disciplines, including:

- Certified Professional in Soil Science
- FWC Authorized Gopher Tortoise Agents
- FDEP Trained in SOP Sampling for Groundwater, Surface Water and Wastewater
- FDEP Certified Stormwater Inspector
- FDACS Certified in Public Health
- University of Florida Certified Master Naturalists in Coastal Systems
- FDEP Trained in Stream Condition Index
- FDEP Trained in Wetland Delineations and Uniform Mitigation Assessment Method (UMAM)
- PADI Dive Certified

DMC's environmental staff conducts preliminary surveys to identify any threatened or endangered species in the vicinity of the project template and coordinates with permitting agencies to develop a suitable monitoring and protection plan. Such a plan often consists of ecological monitoring and reporting before, during and after project activity. If impacts are unavoidable, a compensatory mitigation plan may be developed. Prior to commencement, mangroves and other important shoreline plants are clearly marked with survey tape to prevent damage from the contractor. Submerged aquatic vegetation is also identified and monitored for the length of the project. "Standard Manatee Conditions for In-water Work" are carefully followed to prevent manatee injury or death. Such conditions include a designated manatee observer, idle vessel speeds, educational signage, temporary shut down procedures within 50 feet of a manatee and best management practices to prevent contact or entanglement during periods of shut-down. DMC will enforce these manatee conditions as part of the construction inspection tasks. Aside from these typical species of concern, DMC staff will monitor any other aquatic species entering the work area as well as terrestrial species, such as gopher tortoises and scrub jays, potentially located in the vicinity of equipment lay down, load/unload or sediment disposal areas. In addition, water turbidity monitoring will be conducted and control measures taken per permit conditions to prevent inadvertent impacts to native floral and faunal species.

8. *Where is your assigned staff's office located for this project and what is your response time to the site for resolution of design issues indentified during construction.*

Dredging and Marine Consultants, LLC's office is located in Port St. Lucie, Florida, just off of the I-95 exit at St Lucie West Boulevard. Our office is only 6.5 miles, driving distance, to the City of Port St. Lucie's Engineering Department and from the project site. Our design staff will respond to issues immediately via telephone and email, and can be on-site or at the City of Port St. Lucie Engineering Department within 15 minutes. Outside of normal business hours, one of the engineers for this project, Joshua Revord, lives approximately 3 miles from the project site and can respond within 10 minutes.

9. *List past 5 years of litigation history*

Dredging & Marine Consultants, LLC has not had any past and/or pending litigation relating to any projects within the past five (5) years.

10. *List number of design projects awarded to City in past 12 months and the total dollar amount.*

Dredging & Marine Consultants, LLC has not been awarded any design projects by the City in the last 12 months.

Project	Date of Award	Responsibility	Is Work Completed?	Amount of Contract	Balance of Contract
<b>Total:</b>				<b>\$0.00</b>	<b>\$0.00</b>

11. *Does your firm accept payment by Credit Card?*

Not currently; however, DMC is willing to consider payment by credit card.



H 02 000198821 U

**CERTIFICATE OF DESIGNATION OF  
REGISTERED AGENT/REGISTERED OFFICE**

PURSUANT TO THE PROVISIONS OF 608.415 OR 608.507, FLORIDA  
STATUTES, THE UNDERSIGNED LIMITED LIABILITY COMPANY  
SUBMITS THE FOLLOWING STATEMENT TO DESIGNATE A  
REGISTERED OFFICE AND REGISTERED AGENT IN THE STATE OF  
FLORIDA.

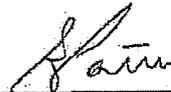
1. The name of the Limited Liability Company is:

**DREDGING & MARINE CONSULTANTS L.L.C.**

2. The name and the Florida street address of the registered agent are:

**SHAILESH K. PATEL  
1336 OSPREY NEST LANE  
PORT ORANGE, FL 32128**

Having been named as registered agent and to accept service of process for the above  
stated Limited Liability Company at the place designated in this certificate, I hereby  
accept the appointment as registered agent and agree to act in this capacity. I further  
agree to comply with the provisions of all statutes relating to the proper and complete  
performance of my duties, and I am familiar with and accept the obligations of my  
position as registered agent.

  
\_\_\_\_\_  
**SHAILESH K. PATEL**

H 02 000198825 0  
10/01/02 FOR TR:02 FAX 4074231220

throughout the advertising and bidding of the project. This phase will include preparation of bid specifications, attending a pre-bid meeting, addressing any questions from OMB, assistance with questions from staff during contractor selection.

**PHASE IIB – WEST KINGSWAY CANAL BIDDING ASSISTANCE**

This phase will focus on the western section of the Kingsway Canal system only. Engineer will prepare bid specifications in accordance with the permitted waterway designs, navigational tolerances, slope regrading and stabilization. Engineer will provide assistance to staff and the City's Office of Management and Budget (OMB) Department as needed throughout the advertising and bidding of the project. This phase will include preparation of bid specifications, attending a pre-bid meeting, addressing any questions from OMB, assistance with questions form staff during contractor selection.

E-Bidding Yes

**E-Bidding**

**EDIT**

View Supplier Info on Tabulation Sheet prior to bid opening Yes

Required Documents 1. Questionnaire

**Legal Ad**

**VIEW**

Please select either the View or Edit button to manage legal ad.

**Pre-Bid Conference**

NONE

**Publications**

No Publications Data Found

**Documents**

**EDIT**

Bid Package 20120007R Bid Specifications (Complete) Addendum #1 (1 Page, Complete)

**Commodity Codes**

ARC-907-35 - Designing Services

**Statistics**

Planholders There are 17 planholders for this bid

Broadcast List 35 suppliers have been notified

Supplemental Suppliers 0 Supplemental Suppliers

Filtered Yes

Post-Bid Viewers 0 viewer(s)

**<< Return**

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*"A City for All Ages"*

## **CITY OF PORT ST. LUCIE**

**Sealed Electronic Proposal #EBID-20120007R-0-2012/CS**

**Design and Permitting of Kingsway Waterway**

Prepared By:  
Cheryl Shanaberger  
Office of Management & Budget  
121 SW Port St. Lucie Boulevard  
Port St. Lucie, FL 34984-5099  
772-871-7390  
[cheryls@cityofpsl.com](mailto:cheryls@cityofpsl.com)

TRUTH-IN-NEGOTIATION CERTIFICATE AND AFFIDAVIT

STATE OF FLORIDA §  
COUNTY OF ST. LUCIE §

Before me, the undersigned authority, personally appeared affiant Tanzer Kalayci who being first duly sworn, deposes and says:

1. That the undersigned firm is furnishing this Truth in Negotiation Certificate pursuant to Section 287.055(5)(a) of the Florida Statutes for the undersigned firm to receive an agreement for professional services with the City of Port St. Lucie, St. Lucie County, Florida.
2. That the undersigned firm is a corporation which engages in furnishing professional architect and engineering services and is entering into an agreement with the City of Port St. Lucie, St. Lucie County, Florida to provide professional services for a project known as #20120007, Design and Permitting of Kingsway Waterway.
3. That the undersigned firm has furnished the City of Port St. Lucie, St. Lucie County, Florida a detailed analysis of the cost of the professional services required for the project.
4. That the wage rate information and other factual unit cost, which the undersigned firm furnished, were accurate, complete and current at the time the undersigned firm and the City of Port St. Lucie entered into the agreement for professional services on the project.
5. That the agreement which the undersigned firm and the City of Port St. Lucie entered into on this job contained a provision that the original agreement price and any additions thereto shall be adjusted to include any significant sums by which the City of Port St. Lucie determines the agreement price was increased due to inaccurate, incomplete or non-current wage rates or other factual unit cost and that all such agreement adjustments shall be made within one (1) year following the end of the agreement.

FURTHER AFFIANT SAYETH NAUGHT

Keith and Schnars

Name of Firm

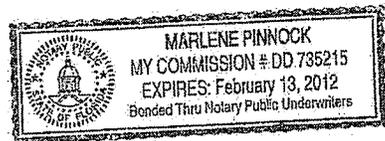
*T.K. Kalayci*

By: President

The foregoing instrument was acknowledged before me by Tanzer Kalayci who has produced \_\_\_\_\_ as identification or is personally known to me.

WITNESS my hand and official seal in the State of County last aforesaid this 20<sup>th</sup> day of December, 2011.

(SEAL)



*[Signature]*  
Signature

Marlene Pinnock  
Notary Name (typed or printed)

\_\_\_\_\_  
Title or Rank

## QUESTIONNAIRE

E-Bid #20120007

### Design and Permitting Kingsway Waterway

It is understood and agreed that the following information is to be used by the City of Port St. Lucie to determine the qualifications of personnel and firm as presented in this document. The Proposer waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Proposer or the personnel of the Proposer.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Consultant, Surety, bank material or equipment manufacturer or distributor, or any person, firm or corporation to furnish the City of Port St. Lucie any Pertinent information requested by the City deemed necessary to vary the information on this questionnaire.

Dated this 19th day of December, 2011

Keith and Schnars, P.A.

(Name of Organization / Proposer)

**1. Firm's office address, telephone, fax number, e-mail address and contact person for this project**

Keith and Schnars, P.A.  
6500 North Andrews Avenue  
Fort Lauderdale, Florida 33309  
Phone: 954-776-1616  
FAX: 954-771-7690  
Contact Person: Mark E. Tomczyk, P.E.  
Email: mtomczyk@keithandschnars.com

**2. Please include a history of similar projects.**

Agency	\$	Contact person	Telephone	email
SFWMD, C-1 Canal Widening, Acme Basin B Discharge Project, Wellington FL	\$2.5 million (engineering design & permitting)	Tommy Strowd, P.E.	561-686-8800	tstrowd@sfwmd.gov
Broward County, Everglades Restoration Area, Weston FL	\$500,000	Brad Terrier	954-577-4579	BTERRIER@broward.org

**3. Detail of staff experience in dredge design and slope restoration projects, including dredge templates, permitting, spoil disposal (acceptability parameters) and budget results**

Staff Name	Title	Years Exp	Company	Project Name & Description
John Abbott, PG	Project Manager	15	K&S	<u>Name:</u> SFWMD Acme Basin B Discharge Project, Wellington FL. <u>Description:</u> The project involved converting 362 acres of agricultural land to an impoundment and wetland, widening 3 miles of the C-1 Canal, and constructing two pump stations. <u>Budget:</u> \$10 million

Joyce Howland	Environmental Permitting Lead	35	K&S	<p><u>Name:</u> SFWMD Acme Basin B Discharge Project, Wellington FL.</p> <p><u>Description:</u> The project involved converting 362 acres of agricultural land to an impoundment and wetland, widening 3 miles of the C-1 Canal, and constructing two pump stations.</p> <p>Budget: \$10 million</p>
Kristine Stewart, Ph.D.	Senior Biologist	30	K&S	<p><u>Name:</u> SFWMD Acme Basin B Discharge Project, Wellington FL.</p> <p><u>Description:</u> The project involved converting 362 acres of agricultural land to an impoundment and wetland, widening 3 miles of the C-1 Canal, and constructing two pump stations.</p> <p>Budget: \$10 million</p>
Mark Tomczyk	VP	22	Craig A. Smith & Assoc.	<p>County of Okeechobee, Taylor Creek Dredge Project, Okeechobee County, FL: Supervising Engineer for the design dredge project, removing sediment within the canals of rural community. Project restored water access to Lake Okeechobee via the existing development canal system, and reduced potential phosphorous loading discharges into Lake Okeechobee. Project was funded through a grant from SFWMD.</p> <p>City of Oakland Park, New River Dredge Project, Broward County FL; Supervising engineer for design and permitting. Project to remove accumulated sediment and exotic plantings that impeded water conveyance.</p> <p>Budget: \$500,000</p>
Tim Hall	VP-Civil Engineering	25	Keith and Schnars	<p>The Acme Basin B Discharge Project is one of the Comprehensive Everglades Restoration Plan (CERP) Acceler8 projects. The \$25 million project involves re-routing stormwater runoff in the Village of Wellington to comply with the Everglades Forever Act. Keith and Schnars led the planning and engineering design of the project. The project involved widening 4 miles of the C-1 canal, realigning a roadway,</p>

				<p>design of a 220 cfs pump station, design of a 400-acre impoundment, and design of other improvements. Keith and Schnars performed the land survey, wildlife and vegetation survey, contamination assessment, land management plan, wetland and landscape design, freeboard and dam breach analyses, engineering design of the canal widening, engineering design of the culverts and gates, engineering design of the impoundment levee, and engineering design of the roadway realignment. Keith and Schnars also provided oversight of the geotechnical work, seepage analyses, and pump station design. The engineering design of the canal, roadway, and pump station was completed to 100% plans and specifications. The engineering design of the impoundment was completed to 30% plans and specifications when the SFWMD determined that the impoundment was not needed to comply with the Everglades Forever Act. Keith and Schnars also led the public involvement effort for the project by coordinating and conducting many public meetings – the project involved extensive coordination with federal, State, local, and private agencies and stakeholders. Budget: \$10 million</p>
Frank Vilar	Senior Proj Mgr.	15	Keith and Schnars	<p>The Acme Basin B Discharge Project is one of the Comprehensive Everglades Restoration Plan (CERP) Acceler8 projects. The \$25 million project involves re-routing stormwater runoff in the Village of Wellington to comply with the Everglades Forever Act. Keith and Schnars led the planning and engineering design of the project. The project involved widening 4 miles of the C-1 canal, realigning a roadway, design of a 220 cfs pump station, design of a 400-acre impoundment, and design of other improvements. Keith and Schnars</p>

				<p>performed the land survey, wildlife and vegetation survey, contamination assessment, land management plan, wetland and landscape design, freeboard and dam breach analyses, engineering design of the canal widening, engineering design of the culverts and gates, engineering design of the impoundment levee, and engineering design of the roadway realignment. Keith and Schnars also provided oversight of the geotechnical work, seepage analyses, and pump station design. The engineering design of the canal, roadway, and pump station was completed to 100% plans and specifications. The engineering design of the impoundment was completed to 30% plans and specifications when the SFWMD determined that the impoundment was not needed to comply with the Everglades Forever Act. Keith and Schnars also led the public involvement effort for the project by coordinating and conducting many public meetings – the project involved extensive coordination with federal, State, local, and private agencies and stakeholders. Budget: \$10 million</p>
Roberto Goncalves	Senior Associate	10	Keith and Schnars	<p>The Acme Basin B Discharge Project is one of the Comprehensive Everglades Restoration Plan (CERP) Acceler8 projects. The \$25 million project involves re-routing stormwater runoff in the Village of Wellington to comply with the Everglades Forever Act. Keith and Schnars led the planning and engineering design of the project. The project involved widening 4 miles of the C-1 canal, realigning a roadway, design of a 220 cfs pump station, design of a 400-acre impoundment, and design of other improvements. Keith and Schnars performed the land survey, wildlife and vegetation survey, contamination assessment, land management plan, wetland and</p>

			<p>landscape design, freeboard and dam breach analyses, engineering design of the canal widening, engineering design of the culverts and gates, engineering design of the impoundment levee, and engineering design of the roadway realignment. Keith and Schnars also provided oversight of the geotechnical work, seepage analyses, and pump station design. The engineering design of the canal, roadway, and pump station was completed to 100% plans and specifications. The engineering design of the impoundment was completed to 30% plans and specifications when the SFWMD determined that the impoundment was not needed to comply with the Everglades Forever Act. Keith and Schnars also led the public involvement effort for the project by coordinating and conducting many public meetings – the project involved extensive coordination with federal, State, local, and private agencies and stakeholders. Budget: \$10 million</p>
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**4. Identify the staff assigned to the project and the scope of work to be performed.**

Staff Name	Years with Company	Scope of Work
Mark Tomczyk	1.5	Point of Contact
John Abbott, P.G.	7	Contamination screening
Kristine Stewart, Ph.D.	10	Ecological Assessment
Joyce Howland	10	Environmental Permitting
Tim Hall	7	Quality control
Frank Vilar	11	Project management / permitting
Roberto Goncalves	9.5	Technical design

5. **Identify your firm's procedures and experience with sediment composition sampling/analysis.**

**Experience**

Sediment sampling and analysis will be led by John Abbott, P.G. Mr. Abbott is a registered Professional Geologist in Florida (PG #2401). He is also a FDEP Certified Stormwater Management Inspector (#25672). Mr. Abbott was responsible for soil, water, and sediment sampling during engineering design of our Acme Basin B Discharge Project in Palm Beach County, which included design of a 400-acre impoundment and improvements to 3 miles of the C-1 Canal. This work was completed for the South Florida Water Management District. Mr. Abbott has also developed and implemented sampling plans at agricultural sites, canals, ranches, ponds, golf courses, drycleaning sites, and gas stations throughout Florida. For example, he evaluated soil, sediment, and water quality for the Indian Trails Grove Development of Regional Impact – a 5,000 acre site in Palm Beach County. Prior to joining Keith and Schnars, Mr. Abbott was the technical lead responsible for the characterization, risk assessment, and remediation of over 30 disposal pits and hazardous debris piles at the Department of Energy's Savannah River Site in Aiken, South Carolina. Sites ranged in complexity from small debris piles to the largest environmental problems in the State. Mr. Abbott determined the nature and extent of contamination. This included identifying data needs, preparing sampling and analysis plans, interpreting the analytical and geotechnical data, and supporting contaminant migration modeling and risk assessments. Mr. Abbott was responsible for managing data uncertainties, identifying and screening remedial technologies, and developing the preferred remedial action.

**Procedures**

To ensure that only viable data are obtained, all technicians and supervisors are trained in the latest field sampling techniques specified by the FDEP in its current SOPs referenced in Chapter 62-160 (Quality Assurance), FAC. While some field parameters will be performed using field equipment, most analyses will be performed by an independent analytical laboratory qualified, certified, and licensed to perform the required testing. Keith and Schnars will develop a Sediment Quality Control Plan that is specific to this project.

All sampling will be done in accordance with Florida Department of Environmental Protection (FDEP) Standard Operating Procedures, specifically FDEP-SOP-001/01, FS 4000 (Sediment Sampling) (March 31, 2008).

Additionally, all sampling procedures and protocols are in accordance with the current FDEP Field Testing (FT series) procedures, the Field Cleaning (FC series) procedures, the Field Decontamination (FD series) procedures, the Field Quality (FQ series) procedures, the Field Planning and Mobilization (FM series) procedures and the Field Sampling (FS series) procedures.

Our team is current with the FDEP and Local Programs to ensure that all applicable procedures/protocols are implemented and utilized for all field sampling/environmental activities. Our team provides training capsules to all personnel (field, staff level & project managers) to ensure that all acceptable procedures/practices are implemented and followed. Our team routinely updates internal training SOPs to meet or exceed the FDEP/standard industry practices and requirements.

For this project, we anticipate most sediment samples to be collected using a piston tube-type sampler to obtain continuous sediment cores ranging from a few inches to several feet long. Sample locations will be obtained using GPS equipment in real time, and data input into a handheld computer. Sediment samples will be tested for organic content and solids content, along with numerous other parameters. Laboratory testing of sediment samples will determine physical and chemical characteristics for dredging and storage purposes; analysis of dredging technologies to determine the most economical/feasible method to dredge; and waste characterization for disposal purposes.

The appropriateness of compositing sediment samples will depend on the data quality objectives of the project and permission from FDEP. Where appropriate, it is often advantageous to composite sediment samples to minimize the number of samples to be analyzed, and to obtain a representative sample for evaluating offsite disposal options.

6. **Explain your firm's process for environmental assessment, including floral/fauna/native species and monitoring.**

**General Approach to Environmental Assessment**

Keith and Schnars' overall approach to environmental assessment includes the following:

1. Assign experienced staff. Our technical lead for ecological issues will be Dr. Kristine Stewart. Dr. Stewart has a Ph.D. in plant ecology and 30 years of relevant experience. She has extensive experience in Port St. Lucie – she prepared the Endangered Species Biological Assessment and Wetlands Evaluation Report for the Crosstown Parkway Extension over the North Fork of the St. Lucie River. She was also the technical lead on ecological issues for the new I-95 interchanges at Becker Road and Crosstown Parkway.
2. Research existing databases. Before we do our field investigations, we review existing databases such as USFWS' National Wetlands Inventory, FWC's bald eagle nest locator, Florida Natural Areas Inventory, U.S. Department of Agricultural Natural Resources Conservation Service's soil maps, historical and current aerial photographs, U.S. Geological Survey historical topographic maps, and other GIS databases obtained from the Florida Geographic Data Library. We use these data to focus our field work.
3. Research existing permits. We obtain existing permits issued for the area. This guides our permitting strategy. In some cases, the permitting can be expedited, and/or the permit application fees can be reduced, by modifying an existing permit rather than applying for a new permit. Existing permits may also reveal conservation easements or other key considerations for the project.
4. Perform Field Investigation. For this project, this will primarily involve a gopher tortoise survey (discussed below) and a vegetation survey (discussed below).
5. Coordinate with the Agencies. As soon as the key issues are identified from the database research and field work, we coordinate with the relevant agencies (SFWMD, USACE, FWC, FWS) to ensure major issues are identified and planned for early in the design phase. This will include informal correspondence and an early and well-planned pre-application meeting.
6. Apply for Permits. Permit Summary Report
7. Meet with Contractor. On projects that impact gopher tortoises, it is critical to work closely with the contractor. The contractor's erosion control measures usually include silt fence, which can also serve as an exclusion barrier for tortoises during our gopher tortoise relocation. We coordinate with the contractor to ensure the silt fence is properly positioned (to prevent tortoises from re-entering) and constructed (installed 8-inches deep with wrapped ends) to serve both functions. We also establish the monitoring protocol based on the construction schedule, BMPs, and the special conditions of the permits.

**Specific Environmental Issues on this Project**

**Gopher Tortoises**

Our biologists did a reconnaissance on October 19, 2011 and found gopher tortoises, a protected species, in some of the vacant lots along the Kingsway Waterway. There are burrows at the northwest corner of Floresta Drive and Delancey Lane, north of the intersection of Glenwood Drive and Mountwell Street, and south of Essex Drive and West Street. Most burrows are 100 or more feet from the top of the bank and are unlikely to be affected by construction. The minimum protective buffer zone for a gopher tortoise burrow is 25 feet. Although the habitat is generally not favorable for tortoises within 25 feet of the Kingsway Waterway and it is not likely that any burrows will be found within 25 feet of the Kingsway Waterway, construction access points and staging areas could impact tortoise burrows. Our biologists will do a thorough gopher tortoise survey prior to design (to evaluate avoidance options) and again shortly before construction. Within 60 to 90 days of construction (to be valid for permitting, the survey must be done no earlier than 90 days prior construction), our biologists will conduct a survey to determine if any tortoises have moved to within 25 feet of the proposed limits of construction, including potential staging areas. If any burrows are present, we will apply for a permit to relocate the burrows. Any

construction within 25 feet of a burrow would require a permit from the Florida Fish and Wildlife Conservation Commission (FWC). If any permit is needed, we anticipate that a "10 or Fewer" permit would suffice because we anticipate five or fewer tortoises (10 burrows or less) and onsite relocation. All gopher tortoise surveys, permitting, and relocation would be done by our own FWC Authorized Gopher Tortoise Agent: Mr. John Abbott (FWC permit GTA-09-00267A). Mr. Abbott has relocated permitted and relocated many gopher tortoises, including those at the interchange of I-95 and Becker Road in Port St. Lucie. We have all necessary equipment, such as burrow video cameras equipped with infrared lights.

### **Plants**

Our biologists did a reconnaissance on October 19, 2011 and found that the vegetation along the canal banks and on the vacant lots (potential staging areas) is typical for disturbed lands. Vacant lots are dominated by Brazilian pepper (*Schinus terebinthifolius*), with localized muscadine (*Muscadinia rotundifolia*), smilax (*Smilax* sp.), saw palmetto (*Serenoa repens*), oaks (*Quercus* sp.), pines (*Pinus* sp.), beautyberry (*Callicarpa* sp.), swamp fern (*Blechnum serrulatum*), and wax myrtle (*Myrica cerifera*). The canal banks are dominated by torpedo grass (*Panicum repens*), Peruvian primrose willow (*Ludwigia peruviana*), leather fern (*Acrostichum danaeifolium*), and landscaping plants installed by residents. Aquatic vegetation is sparse but includes localized water lettuce (*Pistia stratiotes*) and duckweed (*Lemnaceae* sp.). The soils on all vacant lots and the canal banks have evidently been disturbed to the point that there is no substantial habitat for threatened or endangered plants. Our biologists, who have conducted threatened and endangered plant surveys for hundreds of acres of natural habitats along the North Fork of the St. Lucie River (as part of the Crosstown Parkway Extension project), will conduct a thorough survey for threatened and endangered plants in the proposed project area. The surveys will be led by Dr. Kristine Stewart who has a Ph.D. in plant ecology and who prepared the Endangered Species Biological Assessment and Wetlands Evaluation Report for the Crosstown Parkway Extension project. During the surveys, the project area will be qualitatively separated into different habitat types and described using the Florida Land Use Cover Classification System (FLUCCS). In the field, dominant floral species within each habitat type will be identified and recorded. Habitat types will be depicted on a recent aerial photograph of the project area. The list of dominant floral species will be provided in tabular format.

### **Manatees**

We anticipate no involvement with manatees during this project because the control structure at Floresta Drive prevents manatees from entering the Waterway. However, when the USFWS reviews the ERP application, we anticipate that they will request a preconstruction survey for manatees to confirm there are no manatees in the Waterway. Keith and Schnars biologists have completed FWC manatee observer training and can provide the preconstruction survey.

### **Wetlands**

Wetland vegetation exists along the edge of the Waterway. If some of this vegetation is removed, the issue will arise as to whether these areas are considered wetlands and whether mitigation will be required. Although wetland determinations have been assigned in stormwater areas in the past, the current norm is that most SFWMD and USACE reviewers differentiate between the presence of wetland species and wetlands. We would recommend that the fringe of wetland vegetation be viewed as "other surface waters". An ERP would be needed for alteration of the stormwater management system, but mitigation would not be required for impacts to "other surface waters". This position can be strengthened by good planning and design. The SFWMD Basis of Review describes the side slope treatment for detention ponds, including gradual slopes to 1 foot below the water elevation. This design feature would encourage the re-growth of wetland vegetation. Permanent impacts from armored slopes could be offset by improved design of the slopes which can aid in nutrient uptake, oxygenation, and better water quality.

7. **Detail your firm's experience and staffing capabilities in regards to endangered species evaluation and monitoring.**

## **Staffing**

Endangered species evaluations and monitoring will be done by Kristine Stewart, Ph.D. and John Abbott, P.G. Dr. Stewart has a Ph.D. in plant ecology and 30 years relevant experience, including preparation of the Endangered Species Biological Assessment and Wetlands Evaluation Report for the Crosstown Parkway Extension project. John Abbott, P.G. is an FWC Authorized Gopher Tortoise Agent (FWC permit GTA-09-00267A) and has 15 years experience, including relocation and monitoring of gopher tortoises, bald eagles, burrowing owls, migratory birds, endangered plants, and other species. Dr. Stewart and Mr. Abbott have performed several thousand hours of wildlife monitoring at U.S. Army Corps of Engineers construction sites over the past several years.

## **Experience**

### **Crosstown Parkway Extension EIS**

Keith and Schnars is leading the Environmental Impact Statement (EIS) to evaluate a new river crossing over the North Fork of the St. Lucie River that will link U.S. Highway 1 and Crosstown Parkway. Dr. Stewart prepared the Endangered Species Biological Assessment, Wetlands Evaluation Report, and the environmental parts of the EIS. She led the habitat mapping, preliminary wetland delineations, and threatened and endangered species surveys of the river and upland communities (approximately 850 acres). Mr. Abbott prepared the Contamination Screening Evaluation Report and is assisting Dr. Stewart in the wetlands and endangered species evaluations.

### **SFWMD C-1 Canal Improvements**

Keith and Schnars served as the lead design consultant for the Acme Basin B Discharge Project, one of the components of CERP. The project involved converting 362 acres of agricultural land to an impoundment and wetland, widening 3 miles of a canal, and constructing two pump stations. Mr. Abbott served as Project Manager of the \$2.5 million planning and design phase of the project, overseeing the geotechnical investigation, survey, seepage analysis, engineering design, wildlife and vegetation survey, contamination assessment, and environmental design. Dr. Stewart conducted the wildlife and vegetation surveys, assessed wetland impacts, and contributed to the wetland mitigation planning.

### **Wildlife Monitoring for Herbert Hoover Dike**

The U.S. Army Corps of Engineers (USACE) is performing a major rehabilitation of the Herbert Hoover Dike around Lake Okeechobee. For the past 3 years, Mr. Abbott and Dr. Stewart have been providing wildlife monitoring services to USACE contractors who have been installing a seepage cutoff wall in two separate 3-mile segments of the dike, and backfilling a 20-acre abandoned quarry. Mr. Abbott prepared the Environmental Protection Plans and provided oversight of a NPDES permit application. Mr. Abbott and Dr. Stewart and conducting biological monitoring for protected species including bald eagles, gopher tortoises, Eastern indigo snakes, burrowing owls, migratory birds, endangered plants such as the Okeechobee gourd, and many other species.

### **El Rio Canal Environmental Assessments**

Keith and Schnars has designed many miles of a pathway along the El Rio Canal in Boca Raton, and have conducted all associated environmental assessments. Our latest segment is from the L-40 Canal adjacent to the Yamato Scrub Natural Area – a County-managed environmental preserve area. Dr. Stewart led the biological assessment of flora and fauna in this environmentally-sensitive area, and Mr. Abbott surveyed the gopher tortoises and developed the relocation plan.

### **Becker Road / I-95 Interchange Gopher Tortoise Relocation**

Mr. Abbott led a gopher tortoise relocation project during construction of the new I-95 / Becker Road Interchange. Mr. Abbott conducted the gopher tortoise survey, prepared the FFWCC permit application, developed the mitigation plan, and led the relocation and permit compliance.

8. Where is your assigned staff's office located for this project and what is your response time to the site for resolution of design issues identified during construction.

Fort Lauderdale, 1.25 hours

9. List past 5 years of litigation history

We provide below an updated summary of the claims (which we define as a lawsuit filed against us or a demand for arbitration) we have been party to over the course of the past 10 years.

*Scott v. Hubbard Construction Co. (2009)*: This case involved a vehicular accident on a project where we provided C.E.I. Services. The claims against our firm in the case were quickly dismissed after we prevailed on a Motion for Summary Judgment.

*Monroe v. Keith and Schnars (2008)*: This case brought by a former employee involved an allegation regarding overtime pay on which our company prevailed. The claim was dismissed and case resolved to our satisfaction.

*Facchina-Mcgaughan v. Keith and Schnars (2008)*: We provided minor survey services for a General Contractor involved in the Miami Beach New World Symphony Expansion Project located at 1672 Drexel Avenue, Miami Beach, FL 33139. The Contractor's superintendent instructed our surveyors to use a point he pointed out as a reference to start the project layout, we complied with Contractor's instructions, and the Contractor later drove foundation piles in the wrong location and additional piling to remedy the situation. The Contractor's insurance company paid the Contractor's claim for the cost of the additional piling, but then filed an indemnity claim against us for the Contractor's deductible. We deny negligence.

10. List number of design projects awarded by City in past 12 months and the total dollar amount.

Project	Date of Award	Responsibility	Is Work Completed?	Amount of Contract
Eastern Watershed Improvement Projects	Dec 13, 2010	CEI Services	100% complete	\$164,406.00
Total Amount				\$164,406.00

11. Does your firm accept payment by Credit Card? Yes

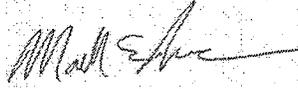
**ADDENDUM ACKNOWLEDGMENT** - Proposer acknowledges that the following addenda have been received and are included in his/her proposal:

Addendum Number	Date Issued
1	12/6

**CERTIFICATION:**

This E-Bid is submitted by: Name (print) Mark Tomczyk who is an officer of the above firm duly authorized to sign proposals and enter into contracts. I certify that this E-Bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to comply with all requirements stated in the specifications for this E-bid, the Terms and Conditions including amendments to Master Contract #20100050.

I agree to abide by all conditions of this E-Bid.:



\_\_\_\_\_  
Signature

Vice President

\_\_\_\_\_  
Title

If a corporation renders this E-Bid, the corporate seal attested by the secretary shall be affixed below. Any agent signing this E-Bid shall attach to this form evidence of legal authority.

**If Corporation:** Keith and Schnars  
(Print Name of Corporation)



By: \_\_\_\_\_  
(President)



Attest: \_\_\_\_\_  
(Secretary)

User: Shanaberger, CPPO, Cheryl      Organization: City of Port St. Lucie - Office of Management and Budget      Logout | Help



My DemandStar      Buyers      Account Info  
 Log Bid [View Bids]      Log Quote      View Quotes      Supplier Search      Build Broadcast List      Reports

**Bid Details**

**Bid Information**

**EDIT**

Agency      City of Port St. Lucie - Office of Management and Budget  
 Bid Type      Sealed Electronic Bid  
 Bid Number      EBID-20120007R-0-2012/CS  
 Fiscal Year      2012  
 Bid Writer      Cheryl Shanaberger, CPPO  
 Bid Name      Design and Permit for Kingsway Waterway  
 Bid Status      Under Evaluation  
 Bid Status Text      None  
 Award To  
 Due Date/Time      12/20/2011 3:30 PM Eastern  
 Broadcast Date      12/5/2011  
 Bid Bond      no  
 Project Estimated Budget  
 Plan (blueprint) Distribution Options      None  
 Distribution Method      Download and Mail  
 Distributed By      Onvia DemandStar  
 Distribution Notes      None

Item/Description of Work Summary: Engineering design, permitting, survey and bid specifications for a project involving the dredging, drainage facility upgrades, vegetation removal, slope restoration, and sodding of the areas along the Kingsway Waterway within the City owned Drainage Right-of-Way. The engineer shall be required to prepare a complete set of construction plans, including all necessary cross sections and at minimal intervals to satisfactorily contract said work in accordance with City standards. The Kingsway Waterway is identified as follows: East Segment, starting east of Floresta Drive extending east to State waters of the St. Lucie River (Figure 1). West Segment, starting west of Floresta Drive extending to Bayshore Blvd. and including the short finger that ends at Oakridge Drive (Figure 2); The design and permitting will include, but is not limited to, a three phased approach to facilitate design/permitting, bid specification development and bidding. The recommended phasing is as follows:

**Scope of Work**

**PHASE I – EAST AND WEST KINGSWAY CANAL ASSESSMENT, DESIGN AND PERMITTING**  
 Assess conditions that currently exist in both the east and west sections of the Kingsway Canal system to include: hydrographic surveys to establish historical design elevations in the western waterway and required operating depths within the eastern waterway; sediment composition sampling and analysis; water sampling and analysis; slope regrading and stabilization; floral and faunal assessments to establish impacts on native species within the area (if any); and drainage systems discharging into waterways. Provide recommendations for the required repairs/upgrades including the preparation of a long-term Operation and Maintenance Plan for the waterway. Designs will be in accordance with all regulatory requirements. Engineer will assist with seeking qualifying grants throughout the phasing process. Engineer will provide supplemental information as required by state and federal regulatory agencies. The agencies include, but are not limited to, the Florida Department of Environmental Protection (FDEP), South Florida Water Management District (SFWMD), Florida Department of Transportation (FDOT) and the United States Army Corps of Engineers (USACOE).

**PHASE II – EAST KINGSWAY CANAL BIDDING ASSISTANCE**  
 This phase will focus on the eastern section of the Kingsway Canal system only. Engineer will prepare bid specifications in accordance with the permitted waterway designs and or navigational tolerances. Engineer will provide assistance to staff and the City's Office of Management and Budget (OMB) Department as needed

**BID ADDENDUM # 2**  
**BID # 20120007R**  
**Addendum Date: 12/27/11**

**Design & permit Sidewalk & pedestrian bridge Savona**

**Notification**

This is notification that the evaluation committee met on December 27, 2011 at 9:00 A.M. in the Office of Management and Budget, Room 390, 121 SW Port St. Lucie Blvd., Building A, Port St. Lucie, Florida and selected the four firms below for a question and answer interview at the designated times;

Firm	Interview time
Dredging & Marine Cons.	2:00 PM
Keith and Schnars, P.A.	2:30 PM
Creech Engineers Inc.	3:00 PM

The question and answer session will be held on December 29, 2011 starting at 2 P.M. in the Office of Management and Budget, 121 SW Port St. Lucie Blvd., Bldg. A, Room 390, Port St. Lucie, Florida. The presentations are to be specific concerning approach for design of this project. The presentation is not to include information concerning qualifications.

The format of the meeting will be

- A. 5 minutes for introduction by the firm
- B. 15 minutes for questions from committee members

A projector and laptop will be available if needed. Also, please provide an electronic copy for the file of any handouts or power point presentations (you may email this to me).

Anticipated Short List approval for City Council is January 9, 2012.

Please contact me if you have any questions, at [cheryls@cityofpsl.com](mailto:cheryls@cityofpsl.com) or 772 871 7390.

Thank you

*Cheryl Shanaberger* MPA CPPO  
Deputy Director of OMB

MEMORANDUM

DATE: December 2, 2011

TO: Department Directors

FROM: Cheryl Shanaberger, Deputy Director OMB

SUBJECT: 20120007R Design & permitting Kingsway Project

Date Needed by: 12/15/11

Attached for your review are the "draft" documents that have been prepared for the above bid. If you desire any additions, changes, or deletions, please mark where appropriate.

Next, sign, date, and return this form. If there are any changes to the attached documents, OMB will incorporate them into the bid documents.

Thank you.

\*\*\*\*\*

DEPARTMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_\_\_ Without Changes \_\_\_\_\_)

\_\_\_\_\_  
(Pending Changes Listed) (Date)

\*\*\*\*\*

LEGAL has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_\_\_ Without Changes \_\_\_\_\_)

\_\_\_\_\_  
(Pending Changes Listed) (Date)

\*\*\*\*\*

RISK MANAGEMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_\_\_ Without Changes \_\_\_\_\_) *coverage types amount listed are sufficient, however pls use new words*

*Renil Major*  
\_\_\_\_\_  
(Pending Changes Listed) (Date) *12-5-11*

*New insurance language*  
\*\*\*\*\*

FINANCE has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_\_\_ Without Changes \_\_\_\_\_)

\_\_\_\_\_  
(Pending Changes Listed) (Date)

\*\*\*\*\*

OFFICE OF MANAGEMENT AND BUDGET has received and completed all requested changes.

OMB Confirmation: \_\_\_\_\_  
(Date)

MEMORANDUM

DATE: December 2, 2011

TO: Department Directors

FROM: Cheryl Shanaberger, Deputy Director OMB

SUBJECT: 20120007R Design & permitting Kingsway Project  
Date Needed by: 12/15/11

Attached for your review are the "draft" documents that have been prepared for the above bid. If you desire any additions, changes, or deletions, please mark where appropriate.

Next, sign, date, and return this form. If there are any changes to the attached documents, OMB will incorporate them into the bid documents.

Thank you.

*Pat Roobling Eng*

DEPARTMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

*[Signature]*  
\_\_\_\_\_  
(Pending Changes Listed)

*12/6/11*  
\_\_\_\_\_  
(Date)

LEGAL has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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

RISK MANAGEMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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

FINANCE has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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

OFFICE OF MANAGEMENT AND BUDGET has received and completed all requested changes.

OMB Confirmation:  
*DEC 07 2011*  
\_\_\_\_\_  
Office of Mgmt. & Budget

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

MEMORANDUM

DATE: December 2, 2011

TO: Department Directors

FROM: Cheryl Shanaberger, Deputy Director OMB

SUBJECT: 20120007R Design & permitting Kingsway Project  
Date Needed by: 12/15/11

RECEIVED  
DEC 05 2011  
FINANCE DEPT.

Attached for your review are the "draft" documents that have been prepared for the above bid. If you desire any additions, changes, or deletions, please mark where appropriate.

Next, sign, date, and return this form. If there are any changes to the attached documents, OMB will incorporate them into the bid documents.

Thank you.

\*\*\*\*\*

DEPARTMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_\_ Without Changes \_\_\_\_)

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*

LEGAL has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_\_ Without Changes \_\_\_\_)

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*

RISK MANAGEMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_\_ Without Changes \_\_\_\_)

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*

FINANCE has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_\_ Without Changes \_\_\_\_)

*Marcia Reddick*  
\_\_\_\_\_  
(Pending Changes Listed)

*12-6-11*  
\_\_\_\_\_  
(Date)

\*\*\*\*\*

OFFICE OF MANAGEMENT AND BUDGET has received and completed all requested changes.

OMB Confirmation: \_\_\_\_\_

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

RECEIVED  
DEC 06 2011  
Office of Mgmt. & Budget

**BID ADDENDUM # 1**  
**BID # 20120007R**  
**Addendum Date: December 6, 2011**

**Design & permit Kingsway Waterway**

NOTE: This request for E-Bid will also include Dredging & Marine Consultants from the Master Contract 20070049 for the Environmental Discipline with the City:

NOTE: The bid opening date is unchanged.

Instructions to Bidder:

Each bidder must acknowledge receipt of any addenda on Page 16 of the Questionnaire in order to have his/her bid or proposal/bid to be accepted.



*"A City for All Ages"*

## **CITY OF PORT ST. LUCIE**

**Sealed Electronic Proposal #20120007R  
(E-Bid)**

**Design and Permitting of Kingsway Waterway**

Prepared By:  
Cheryl Shanaberger  
Office of Management & Budget  
121 SW Port St. Lucie Boulevard  
Port St. Lucie, FL 34984-5099  
772-871-7390  
cheryls@cityofpsl.com

**NOTE: THIS REQUEST FOR AN E-BID IS ONLY FOR THE FOLLOWING CONSULTANTS WHO HOLD MASTER CONTRACT #20100050 and #20070049 WITH THE CITY:** American Consulting, Arcadis US Inc., Calvin, Giordano & Associates Inc., Captec Engineering Inc., Creech Engineers Inc., Culpepper & Terpening Inc., Hazen & Sawyer, Infrastructure Eng, Inc., Keith & Schnars P.A., Kimley-Horn & Associates, AMEC, Civil Design, Enercon Services, Inc., Tetra Tech, Inc.

## INVITATION TO E-BID

Sealed Electronic Proposal #20120007R for the design and permitting of the Kingsway Waterway Project will be received by the Office of Management and Budget of the City of Port St. Lucie no later **3:30:00 p.m. on December 20, 2011.** Specifications are attached.

All submittals must be received by the date and time specified above, when they will be opened and the names publicly read aloud. The proposal time must be and shall be scrupulously observed. Under no circumstances shall submittals uploaded to Demandstar.com after the time specified be accepted or considered. It is the sole responsibility of the Proposer to ensure that his or her submittal is uploaded on or before the closing date and time. The City shall in no way be responsible for delays caused by any power outages or internet failures. No exceptions will be made.

Electronic replies will be the **only** method allowed for Bidders to respond to this solicitation. All submittals must be compatible with Microsoft Office 2003. E-Bidding will be done through a secure locked box. Bidders can only view/submit their E-Bid and will not have access to any other Bidder's submittals. The Bidder's E-Bid may be changed at the Bidder's discretion until the due date and time have been reached at which time the Bidder will no longer change or have access to the electronic bid submittal. The City will then open the E-Bids. Bidders who are e-bidding for the first time are strongly encouraged to contact Demandstar at (800) 771-1712 or obtain assistance by e-mailing questions to [supplierservices@onvia.com](mailto:supplierservices@onvia.com).

The City of Port St. Lucie reserves the right to reject any and all bids, to waive any and all informalities or irregularities, and to accept or reject all or any part of any bid as it may deem to be in the best interest of the citizens of the City.

All Terms and Conditions of the Master Contract #20100050 and #20070049 and amendments thereof shall apply to the contract issued from this proposal.

For the purpose of this bid, the term Bidder, E-Bidder, Proposer and Consultant may be used interchangeably.

Documents required for this E-Bid:  
Completed Questionnaire

**Submittal of E-Bid** - All proposals shall be submitted by completing and returning the Questionnaire. The Questionnaire should be typed or printed and signed. All submittals are required to be electronic. No hard copies will be accepted.

- A. Request Bid Specifications, #20120007R from Onvia, via phone 800-711-1712 or via internet [www.cityofpsl.com](http://www.cityofpsl.com)
- B. Download the Questionnaire and save to your hard drive, program is in Word 2003 Professional. Enter information requested on the Questionnaire.

- C. Electronically sign the Questionnaire where indicated.
- D. Upload and submit the Questionnaire for E-Bid #20120007R onto Demandstar by the due date and time. Acknowledge all Addenda on the Questionnaire.
- E. Enter Zero on the web page for cost or you will receive an error message and your submittal will be denied.

**\*\* Only electronic replies are required. No hard copies will be accepted. Please try to limit your entire submittal to no more than 5 mb.**

**TENTATIVE SCHEDULE**

It is the intent of the City to have this project completed within a limited time frame. Therefore, priority will be given to firms who recognize and display the ability to work within the restrictions of the following tentative schedule:

Review and Selection Process:

Advertisement with Onvia DemandStar	December 5, 2011
Proposal Due	December 20, 2011 @ 3:30:0 P.M. EST
Evaluation Committee*	December 27, 2011 @ 9 A.M
Q & A**	December 29, 2011 @ 2-5 P.M.
Tentative City Council Short List Approval	January 9, 2012
Tentative Negotiations	January 11, 2012 @ 9 A.M.
Tentative City Council Contract Approval	January 23, 2012

\*Committee will meet in the Conference Room (390) in the Office of Management & Budget at 9 am.

\*\* Committee will meet in the Conference Room (390) in the Office of Management & Budget at 2 pm.

**EVALUATION AND AWARD**

Responses will be scored in the following manner:

	<u>CRITERION</u>
	<u>MAXIMUM SCORE</u>
a) History of similar projects	20 points
b) Assigned Staff Experience with dredging design	20 points
c) Assigned Staff Experience with permitting, soil disposal & budget results	20 points
c) Firm Experience & procedure with sediment sampling/analysis	10 points
d) Process for environmental assessment, monitoring	10 points
e) Experience with endangered species evaluation monitoring	10 points
g) Firm Response Time	5 points
h) Accepts P-card	5 points

**Total Maximum Points      100**

The City's Office of Management & Budget (OMB) reserves the right to request any additional information needed for clarification from any proposer for evaluation purposes.

## **The Scope of Work**

Item/Description of Work Summary: Engineering design, permitting, survey and bid specifications for a project involving the dredging, drainage facility upgrades, vegetation removal, slope restoration, and sodding of the areas along the Kingsway Waterway within the City owned Drainage Right-of-Way. The engineer shall be required to prepare a complete set of construction plans, including all necessary cross sections and at minimal intervals to satisfactorily contract said work in accordance with City standards. The Kingsway Waterway is identified as follows: ***East Segment***, starting east of Floresta Drive extending east to State waters of the St. Lucie River (Figure 1). ***West Segment***, starting west of Floresta Drive extending to Bayshore Blvd. and including the short finger that ends at Oakridge Drive (Figure 2); The design and permitting will include, but is not limited to, a three phased approach to facilitate design/permitting, bid specification development and bidding. The recommended phasing is as follows:

### ***PHASE I – EAST AND WEST KINGSWAY CANAL ASSESSMENT, DESIGN AND PERMITTING***

Assess conditions that currently exist in both the east and west sections of the Kingsway Canal system to include: hydrographic surveys to establish historical design elevations in the western waterway and required operating depths within the eastern waterway; sediment composition sampling and analysis; water sampling and analysis; slope regrading and stabilization; floral and faunal assessments to establish impacts on native species within the area (if any); and drainage systems discharging into waterways. Provide recommendations for the required repairs/upgrades including the preparation of a long-term Operation and Maintenance Plan for the waterway. Designs will be in accordance with all regulatory requirements. Engineer will assist with seeking qualifying grants throughout the phasing process. Engineer will provide supplemental information as required by state and federal regulatory agencies. The agencies include, but are not limited to, the Florida Department of Environmental Protection (FDEP), South Florida Water Management District (SFWMD), Florida Department of Transportation (FDOT) and the United States Army Corps of Engineers (USACOE).

### ***PHASE II – EAST KINGSWAY CANAL BIDDING ASSISTANCE***

This phase will focus on the eastern section of the Kingsway Canal system only. Engineer will prepare bid specifications in accordance with the permitted waterway designs and or navigational tolerances. Engineer will provide assistance to staff and the City's Office of Management and Budget (OMB) Department as needed throughout the advertising and bidding of the project. This phase will include preparation of bid specifications, attending a pre-bid meeting, addressing any questions from OMB, assistance with questions from staff during contractor selection.

### ***PHASE IIB – WEST KINGSWAY CANAL BIDDING ASSISTANCE***

This phase will focus on the western section of the Kingsway Canal system only. Engineer will prepare bid specifications in accordance with the permitted waterway designs, navigational tolerances, slope regrading and stabilization. Engineer will provide assistance to staff and the City's Office of Management and Budget (OMB) Department as needed throughout the advertising and bidding of the project. This phase will include preparation of bid specifications, attending a pre-bid meeting, addressing any questions from OMB, assistance with questions form staff during contractor selection.

Balance of Page Left Blank

**SAMPLE  
CITY OF PORT SAINT LUCIE  
CONTRACT #20120007**

This is a Time and Expense CONTRACT, executed this \_\_\_\_\_ day of \_\_\_\_\_, 2011 by and between the CITY OF PORT ST. LUCIE, FLORIDA, a municipal corporation, duly organized under the laws of the State of Florida, hereinafter called "City" party of the first part, , a Florida Corporation, Telephone No.() Fax No. ), hereinafter called "Engineer", party of the second part.

**RECITALS**

In consideration of the below agreements and covenants set forth herein, the parties agree as follows:

**SECTION I  
NOTICES & DESCRIPTION OF SERVICES TO BE PROVIDED**

The scope of work that the Engineer has agreed to perform pursuant to E-bid #20120007 for the design and permitting for the Kingsway Waterway Project. All Terms and Conditions of the Master Contract #20100050 will apply.

**Notices**

All notices or other communications hereunder shall be in writing and shall be deemed duly given if delivered in person, sent by certified mail with return receipt request, email or fax and addressed as follows unless written notice of a change of address is given pursuant to the provisions of this Contract.

Engineer:

City Contract Administrator: Office of Management & Budget  
Att: Cheryl Shanaberger, Deputy Director OMB  
City of Port St. Lucie  
121 SW Port St. Lucie, Blvd.  
Port St. Lucie, FL. 34984  
Telephone 772 871 7390 Fax 772 871 7337  
Email: cheryls@cityofpsl.com

City Project Manager:

**Description of Services**

Item/Description of Work Summary: Engineering design, permitting, survey and bid specifications for a project involving the dredging, drainage facility upgrades, vegetation removal, slope restoration, and sodding of the areas along the Kingsway Waterway within the City owned Drainage Right-of-Way. The engineer shall be required to prepare a complete set of construction plans, including all necessary cross sections and at minimal intervals to satisfactorily contract said work in accordance with City standards. The Kingsway Waterway is identified as follows: East Segment, starting east of Floresta Drive extending east to State waters of the St. Lucie River (Figure 1). West Segment, starting west of Floresta Drive extending to Bayshore Blvd. and including the short finger that ends at Oakridge Drive (Figure 2); The design and permitting will include, but is

not limited to, a three phased approach to facilitate design/permitting, bid specification development and bidding. The recommended phasing is as follows:

***PHASE I – EAST AND WEST KINGSWAY CANAL ASSESSMENT, DESIGN AND PERMITTING***

Assess conditions that currently exist in both the east and west sections of the Kingsway Canal system to include: hydrographic surveys to establish historical design elevations in the western waterway and required operating depths within the eastern waterway; sediment composition sampling and analysis; water sampling and analysis; slope regrading and stabilization; floral and faunal assessments to establish impacts on native species within the area (if any); and drainage systems discharging into waterways. Provide recommendations for the required repairs/upgrades including the preparation of a long-term Operation and Maintenance Plan for the waterway. Designs will be in accordance with all regulatory requirements. Engineer will assist with seeking qualifying grants throughout the phasing process. Engineer will provide supplemental information as required by state and federal regulatory agencies. The agencies include, but are not limited to, the Florida Department of Environmental Protection (FDEP), South Florida Water Management District (SFWMD), Florida Department of Transportation (FDOT) and the United States Army Corps of Engineers (USACOE).

***PHASE II – EAST KINGSWAY CANAL BIDDING ASSISTANCE***

This phase will focus on the eastern section of the Kingsway Canal system only. Engineer will prepare bid specifications in accordance with the permitted waterway designs and or navigational tolerances. Engineer will provide assistance to staff and the City's Office of Management and Budget (OMB) Department as needed throughout the advertising and bidding of the project. This phase will include preparation of bid specifications, attending a pre-bid meeting, addressing any questions from OMB, assistance with questions from staff during contractor selection.

***PHASE IIB – WEST KINGSWAY CANAL BIDDING ASSISTANCE***

This phase will focus on the western section of the Kingsway Canal system only. Engineer will prepare bid specifications in accordance with the permitted waterway designs, navigational tolerances, slope regrading and stabilization. Engineer will provide assistance to staff and the City's Office of Management and Budget (OMB) Department as needed throughout the advertising and bidding of the project. This phase will include preparation of bid specifications, attending a pre-bid meeting, addressing any questions from OMB, assistance with questions form staff during contractor selection.

**SECTION II  
TIME OF PERFORMANCE**

Contract period shall commence \_\_\_\_\_, 2011, and terminate , 201, \_\_\_\_\_, calendar days. In the event all work required in the proposal specifications has not been completed by the specified date, the Engineer agrees to provide work as authorized by the Contract Supervisor until all work specified in the proposal specifications has been rendered.

**SECTION III  
COMPENSATION**

This is a Time and Expense Contract. The total amount to be paid by the City to the Engineer is based on actual time spent on this project with an estimated amount of \$. All Lump Sum Amounts are Not to Exceed amounts. The City will not pay for out-of-pocket expenses (Office & Utilities), subconsultant fees or any reimbursable expense.

The Engineering fees for Preliminary Design 1, Task 1.1 Design Survey:

	Est. hours	Rate	Est. Fee
Senior Project Manager			
Project Surveyor			
Survey Mngr			
CADD Technician			
Survey Field Crew			
Principal Eng			

**TOTAL**

Total is a Not to Exceed amount that will be paid at actual time and expense.

**SECTION IV  
CONFORMANCE WITH PROPOSAL**

It is understood that the materials and/or work required herein are in accordance with the proposal made by the Engineer pursuant to the Request for Proposal and Specifications on file in the Office of Management and Budget of the City. All documents submitted by the Engineer in relation to said proposal, and all documents promulgated by the City for inviting proposals are, by reference, made a part hereof as if set forth herein in full.

**SECTION V  
INDEMNIFICATION/INSURANCE**

To the extent permitted under Florida Statutes, the Engineer shall indemnify, defend, and hold harmless the City, its representatives, employees and elected and appointed officials, from and against all claims, cause, demands, legal fees, cost of action, losses, damages or other expenses occasioned by any negligent act, conduct, error or omission by the Engineer, or its agents, employees or sub-consultants, in the performance of this Contract. As consideration for this indemnity provision the Engineer shall be paid the sum of ten dollars (\$10.00), which will be paid at execution of Contract.

The Engineer shall, on a primary basis and at its sole expense, agree to maintain in full force and effect at all times during the life of this Contract, insurance coverage, limits, including endorsements, as described herein.

The Engineer shall agree to maintain Workers' Compensation Insurance & Employers' Liability in accordance with Florida Statutes Chapter 440. Coverage must include Employers' Liability with a minimum limit of \$100,000 each.

The Engineer shall agree to maintain Any Auto, Business Automobile Liability at a limit of liability not less than \$500,000 each occurrence for all owned, non-owned and hired automobiles. In the event the Engineer does not own any automobiles the Business Auto Liability requirement shall be amended allowing Engineer to

agree to maintain only Hired & Non-Owned Auto Liability. This amended requirement may be satisfied by way of endorsement to the Commercial General Liability, or separate Business auto Coverage form.

Commercial General Liability for public liability during the lifetime of this Contract shall have minimum limits of \$1,000,000 per occurrence, \$2,000,000 per aggregate, for Personal Injury, Bodily Injury, and Property Damage Liability. Coverage shall include Premises and/or Operations, Independent Contractors, Products and/or Complete Operations, Contractual Liability and Broad Form Property Damage Endorsements. Coverage shall not contain an exclusion or limitation endorsement for Contractual Liability or Cross Liability. All insurance policies shall be issued from a company or companies duly licensed by the State of Florida. All policies shall be on a per project occurrence-made basis; the City shall not accept claims-made policies. Specific endorsements will be requested depending upon the type and scope of work to be performed.

The Engineer shall agree to maintain Professional Liability, or equivalent Errors & Omissions Liability at a limit of liability not less than \$1,000,000 Per Occurrence. When a self-insured retention (SIR) or deductible exceeds \$10,000 the City reserves the right, but not the obligation, to review and request a copy of Engineer's most recent annual report or audited financial statement. For policies written on a "Claims-Made" basis, the Engineer warrants the retroactive date equals or precedes the effective date of this Contract. In the event the policy is canceled, non-renewed, switched to an Occurrence Form, retroactive date advanced, or any other event triggering the right to purchase a Supplemental Extended Reporting Period (SERP) during the life of this Contract, Engineer shall agree to purchase a SERP with a minimum reporting period not less than three (3) years.

Except as to Workers' Compensation and Employers' Liability, said Certificate(s) and Policies shall clearly state that coverage required by the contract has been endorsed to include the City of Port St. Lucie, a political subdivision of the State of Florida, its officers, agents and employees as Additional Insured with a CG 2026-Designated Person or Organization endorsement, or similar endorsement, to its Commercial General Liability and Automobile Liability Policies. The name for the Additional Insured endorsement issued by the insurer shall read "City of Port St. Lucie, political subdivision of the State of Florida, its officers, employees and agents, and Contract #20120007. The Certificate of Insurance and Policy shall unequivocally provide thirty (30) days written notice to the City prior to any adverse changes, cancellation, or non-renewal of coverage thereunder. Said liability insurance must be acceptable by and approved by the City as to form and types of coverage. In the event that the statutory liability of the City is amended during the term of this Contract to exceed the above limits, the Engineer shall be required, upon thirty (30) days written notice by the City, to provide coverage at least equal to the amended statutory limit of liability of the City.

Engineer shall agree by entering into this Contract to a Waiver of Subrogation for each required policy. When required by the insurer, or should a policy condition not permit an Insured to enter into a pre-loss agreement to waive subrogation without an endorsement then Engineer shall agree to notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy where a condition to the policy specifically prohibits such an endorsement, or voids coverage should Engineer enter into such an agreement on a pre-loss basis.

It shall be the responsibility of the Engineer to insure that all subconsultants comply with the same insurance requirements referenced above.

All deductible amounts shall be paid for and be the responsibility of the Engineer for any and all claims under this Contract.

The Engineer may satisfy the minimum limits required above for Commercial General Liability, Business Auto Liability, and Employers' Liability coverage under Umbrella or Excess Liability. The Umbrella or Excess Liability shall have an Aggregate limit not less than the highest "Each Occurrence" limit for Commercial General Liability, Business Auto Liability, or Employers' Liability. When required by the insurer, or when Umbrella or Excess Liability Policy is written on 'Non-Follow Form,' the City shall be endorsed as an "Additional Insured."

The City, by and through its Risk Management Department, reserves the right, but not the obligation, to review and reject any insurer providing coverage.

## **SECTION VI PROHIBITION AGAINST FILING OR MAINTAINING LIENS AND SUITS**

Subject to the laws of the State of Florida and of the United States, neither Engineer nor any subconsultant, supplier of materials, laborer or other person shall file or maintain any lien for labor or materials delivered in the performance of this Contract against the City. The right to maintain such lien for any or all of the above parties is hereby expressly waived.

## **SECTION VII WORK CHANGES**

The City reserves the right to order work changes in the nature of additions, deletions or modifications without invalidating the Contract, and agrees to make corresponding adjustments in the Contract price and time for completion. All changes will be authorized by a written change order signed by the Director of OMB or his designee as representing the City. Work shall be changed and the contract price and completion time shall be modified only as set out in the written change order. Any adjustment in the contract price resulting in a credit or a charge to the City shall be determined by mutual agreement of the parties.

## **SECTION VIII COMPLIANCE WITH LAWS**

The Engineer shall give all notices required by and shall otherwise comply with all applicable laws, ordinances and codes and shall, at his own expense, secure and pay the fees and charges for all licensing required for the performance of his work. All materials furnished and work done is to comply with all local, state and federal laws and regulations.

## **SECTION IX ADDITIONAL REQUIREMENTS**

In the event of any conflict between the terms and conditions, appearing on any purchase order or work authorization issued relative to this Contract, and those contained in this Contract and the RFP herein referenced, the terms of this Contract and RFP herein referenced shall apply.

## **SECTION X LICENSING**

Engineer warrants that he possesses all licenses and certificates necessary to perform required work and is not in violation of any laws. Engineer warrants that his license and certificates are current and will be maintained throughout the duration of the contract.

## **SECTION XI SAFETY PRECAUTIONS**

Precaution shall be exercised at all times for the protection of persons, including employees, and property. All plans and construction must be ADA compliant. The safety provisions of all applicable laws and building and construction codes shall be observed. The selected Proposer will submit all proposals in compliance with the 28 C.F.R. § 35.151. Where ADA and Florida Building Codes do not agree the most stringent applies or ADA supersedes.

## **SECTION XII ASSIGNMENT**

Engineer shall not delegate or subcontract any part of the work under this Contract or assign any monies due him hereunder without first obtaining the written consent of the City.

## **SECTION XIII TERMINATION**

If the Engineer refuses or fails to prosecute the work with such diligence as will insure its completion within the time specified in this Contract, or as may be modified in accordance with this Contract, the City by written notice to the Engineer, may terminate Engineer's rights to proceed. On such termination, the City may take over the work and prosecute the same to completion, by contract or otherwise, and the Engineer and his sureties shall be liable, jointly and severally to the City for any additional cost incurred by it in its completion of the work.

The City may terminate this Contract with or without cause by giving the Engineer a thirty (30) days notice in writing. Upon delivery of said notice and upon expiration of the thirty (30) day period, the Engineer shall discontinue all services in connection with the performance of this Contract and shall proceed to cancel promptly all related existing third party contracts. Termination of the Contract by the City pursuant to this paragraph shall terminate all of the City's obligations hereunder. In the event of termination, the Engineer will be paid for all services rendered to the date of termination, all expenses subject to reimbursement hereunder.

## **SECTION XIV LAW AND VENUE**

This Contract is to be construed as though made in and to be performed in the State of Florida and is to be governed by the laws of Florida in all respects without reference to the laws of any other state or nation. The venue of any action taken pursuant to this Contract shall be in St. Lucie County, Florida.

## **SECTION XV APPROPRIATION APPROVAL**

The Engineer acknowledges that the City of Port Saint Lucie's performance and obligation to pay under this contract is contingent upon an annual appropriation by the City Council. The Engineer agrees that, in the event such appropriation is not forthcoming, this Contract may be terminated by the City and that no charges, penalties or other costs shall be assessed.

**SECTION XVI  
RENEWAL OPTION**

**Not Applicable**

**SECTION XVII  
ENTIRE AGREEMENT**

The written terms and provisions of this contract shall supersede all prior verbal statements of any official or other representative of the City. Such statements shall not be effective or be construed as entering into, or forming a part of, or altering in any manner whatsoever, this contract or contract documents.

**SECTION XVIII  
TRUTH-IN-NEGOTIATIONS**

In accordance with the provisions of Section 287.055, Florida Statutes, the Engineer agrees to execute a truth-in-negotiations certificate and agrees that the original contract price and any additions may be adjusted to exclude any significant sums by which the contract price was increased due to inaccurate, incomplete or non-current wage rates and other factual unit costs.

**SECTION XIV  
CONFLICT OF INTEREST**

The City hereby acknowledges that the Engineer may be performing professional services for private developers within the Treasure Coast area. Should a conflict of interest arise between providing services to the City and/or other clients, the Engineer shall terminate its relationship with the other client to resolve the conflict of interest. The City Manager shall determine whether a conflict of interest exists. At the time of each Project Proposal the Engineers shall disclose all of their Treasure Coast clients and related Scope of Work.

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**TRUTH-IN-NEGOTIATION CERTIFICATE AND AFFIDAVIT**

STATE OF FLORIDA       §  
COUNTY OF ST. LUCIE   §

Before me, the undersigned authority, personally appeared affiant \_\_\_\_\_  
who being first duly sworn, deposes and says:

1. That the undersigned firm is furnishing this Truth in Negotiation Certificate pursuant to Section 287.055(5)(a) of the Florida Statutes for the undersigned firm to receive an agreement for professional services with the City of Port St. Lucie, St. Lucie County, Florida.

2. That the undersigned firm is a corporation which engages in furnishing professional architect and engineering services and is entering into an agreement with the City of Port St. Lucie, St. Lucie County, Florida to provide professional services for a project known as #20120007, Design and Permitting of Kingsway Waterway.

3. That the undersigned firm has furnished the City of Port St. Lucie, St. Lucie County, Florida a detailed analysis of the cost of the professional services required for the project.

4. That the wage rate information and other factual unit cost, which the undersigned firm furnished, were accurate, complete and current at the time the undersigned firm and the City of Port St. Lucie entered into the agreement for professional services on the project.

5. That the agreement which the undersigned firm and the City of Port St. Lucie entered into on this job contained a provision that the original agreement price and any additions thereto shall be adjusted to include any significant sums by which the City of Port St. Lucie determines the agreement price was increased due to inaccurate, incomplete or non-current wage rates or other factual unit cost and that all such agreement adjustments shall be made within one (1) year following the end of the agreement.

FURTHER AFFIANT SAYETH NAUGHT

\_\_\_\_\_  
Name of Firm

By: \_\_\_\_\_  
President

The foregoing instrument was acknowledged before me by \_\_\_\_\_  
who has produced \_\_\_\_\_ as identification or is personally known to me.

WITNESS my hand and official seal in the State of County last aforesaid this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

(SEAL)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Notary Name (typed or printed)

\_\_\_\_\_  
Title or Rank

IN WITNESS WHEREOF, the parties have executed this contract at Port St. Lucie, Florida, the day and year first above written.

CITY OF PORT ST. LUCIE FLORIDA

By: \_\_\_\_\_  
City Manager

ATTEST:  
By: \_\_\_\_\_  
City Clerk

By: \_\_\_\_\_  
Authorized Representative of .)

State of: \_\_\_\_\_

County of: \_\_\_\_\_

Before me personally appeared: \_\_\_\_\_ )  
(please print)

Please check one:

Personally known \_\_\_\_\_

Produced Identification: \_\_\_\_\_  
(type of identification)

Identification No. \_\_\_\_\_

and known to me to be the person described in and who executed the foregoing instrument, and acknowledged to and before me that \_\_\_\_\_ executed said instrument for the purposes therein expressed.  
(s/he)

WITNESS my hand and official seal, this \_\_\_\_\_ day of \_\_\_\_\_, 201.

\_\_\_\_\_  
Notary Signature

Notary Public-State of \_\_\_\_\_ at Large.

My Commission Expires \_\_\_\_\_  
(seal

**QUESTIONNAIRE**

**E-Bid #20120007**

**Design and Permitting Kingsway Waterway**

It is understood and agreed that the following information is to be used by the City of Port St. Lucie to determine the qualifications of personnel and firm as presented in this document. The Proposer waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Proposer or the personnel of the Proposer.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Consultant, Surety, bank material or equipment manufacturer or distributor, or any person, firm or corporation to furnish the City of Port St. Lucie any Pertinent information requested by the City deemed necessary to vary the information on this questionnaire.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2011

\_\_\_\_\_  
Name of Organization / Proposer

**(This is a word document please add space as needed.)**

1. Firm's office address, telephone, fax number, e-mail address and contact person for this project

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Please include a history of similar projects and your total consultant fee.

Agency	\$	Contact person	Telephone	email
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3. Detail of staff experience in dredge design and slope restoration projects, including dredge templates, permitting, spoil disposal (acceptability parameters) and budget results

Staff Name	Title	Years Exp	Company	Project Name & Description	Budget
------------	-------	-----------	---------	----------------------------	--------

( This is a word document add lines as needed)

4. Identify the staff assigned to the project and the scope of work to be performed.

Staff Name	Years with Company	Scope of Work
------------	--------------------	---------------

(This is a word document add lines as needed)

5. Identify your firm's procedures and experience with sediment composition sampling/analysis.

(This is a word document add lines as needed)

6. Explain your firm's process for environmental assessment, including floral/fauna/native species and monitoring.

7. Detail your firm's experience and staffing capabilities in regards to endangered species evaluation and monitoring.

8. Where is your assigned staff's office located for this project and what is your response time to the site for resolution of design issues identified during construction.

9. List past 5 years of litigation history

10. List number of design projects awarded to City in past 12 months and the total dollar amount.

11. Does your firm accept payment by Credit Card? \_\_\_\_\_

**ADDENDUM ACKNOWLEDGMENT** - Proposer acknowledges that the following addenda have been received and are included in his/her proposal:

Addendum Number	Date Issued

**CERTIFICATION:**

This E-Bid is submitted by: Name (print) \_\_\_\_\_ who is an officer of the above firm duly authorized to sign proposals and enter into contracts. I certify that this E-Bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to comply with all requirements stated in the specifications for this E-bid, the Terms and Conditions including amendments to Master Contract #20100050.

I agree to abide by all conditions of this E-Bid.:

\_\_\_\_\_ Signature \_\_\_\_\_ Title

If a corporation renders this E-Bid, the corporate seal attested by the secretary shall be affixed below. Any agent signing this E-Bid shall attach to this form evidence of legal authority.

**Witnesses:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**If Partnership:**

\_\_\_\_\_ Print Name of Firm  
 By: \_\_\_\_\_  
 (General Partner)

**If Corporation:**

\_\_\_\_\_ Print Name of Corporation  
 By: \_\_\_\_\_  
 (President)  
 Attest: \_\_\_\_\_  
 (Secretary)

**If Individual:**

\_\_\_\_\_ Signature  
 \_\_\_\_\_ Print Name



"A City for All Ages"

**CITY OF PORT ST. LUCIE**

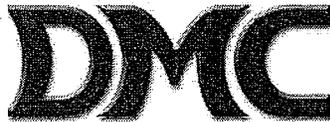
**Sealed Electronic Proposal #20120007  
(E-Bid)**

**Design and Permitting of Kingsway Waterway**

**Prepared By:  
Cheryl Shanaberger  
Office of Management & Budget  
121 SW Port St. Lucie Boulevard  
Port St. Lucie, FL 34984-5099  
772-871-7390  
cheryls@cityofpsl.com**

**RESPONDENT:**

**Dredging & Marine Consultants**



**ENGINEERS • SCIENTISTS**

**Dredging & Marine Consultants, LLC  
1850 SW Fountainview Blvd., Suite 201  
Port St. Lucie, FL 34986**

*rejected  
no addendum  
# 2*

**QUESTIONNAIRE**  
**E-Bid #20120007**  
**Design and Permitting Kingsway Waterway**

It is understood and agreed that the following information is to be used by the City of Port St. Lucie to determine the qualifications of personnel and firm as presented in this document. The Proposer waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Proposer or the personnel of the Proposer.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Consultant, Surety, bank, material or equipment manufacturer or distributor, or any person, firm or corporation to furnish the City of Port St. Lucie any Pertinent information requested by the City deemed necessary to verify the information on this questionnaire.

Dated this 26<sup>th</sup> day of October, 2011

**Dredging & Marine Consultants, LLC**  
Name of Organization / Proposer

1. *Firm's office address, telephone, fax number, e-mail address and contact person for this project*
- Dredging & Marine Consultants, LLC  
1850 SW Fountainview Blvd. Suite 201  
Port St. Lucie, FL 34986  
Telephone: 772-878-2905/ 772-678-1523  
Fax: 772-878-2990  
spatel@dmces.com  
Shailesh K. Patel, M.Sc., CPSSc.; cell 386-846-4760

2. *Please include a history of similar projects.*

The following is a list of projects that DMC has completed or are under contract along with projects by CAPTEC Engineering who will assist DMC with drainage and stormwater design and review of outfall structures.

**DMC PROJECTS:**

<u>Agency</u>	<u>\$</u>	<u>Contact person</u>	<u>Telephone</u>	<u>email</u>
City of Port St. Lucie	\$680,000	Larry Nadeau	772-871-5104	<a href="mailto:lnadeau@cityofpsl.com">lnadeau@cityofpsl.com</a>

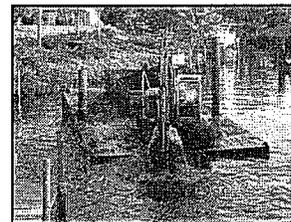
**Kingsway Canal Hurricane Recovery Debris Removal:** This project was to remove hurricane debris from approximately 2 miles of residential canal. DMC's role was to ensure the project construction was completed on time, within budget, and with ample resources of both equipment and man-power allocated to the project. The project involved management oversight to ensure water quality was maintained and monitored to be in compliance while the work was ongoing. NPDES permits were submitted for compliance along with data for turbidity compliance. Barge mounted and land based equipment was brought in to complete this US Natural Resources Conservation Service (NRCS) funded project successfully. Debris, sediment and exotic vegetation was removed from the canal and side slopes, which were then regarded and sodded for stability. All outfall structures were also



cleaned and stabilized for proper functioning. DMC assisted in securing additional funding from NRCS based on its cost estimation. DMC worked with CAPTEC Engineering Inc., who designed and inspected the work, reviewed invoices and tracked costs and facilitated all grant administration requirements.

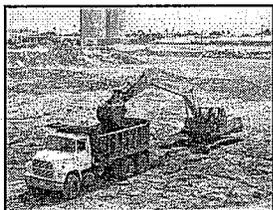
## DMC PROJECTS, cont'd.:

City of Port St. Lucie      \$450,000      Larry Nadeau      772-871-5104      [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)  
**City of Port St. Lucie Waterways and Canals Dredging:** DMC evaluated a total of ten canals within the City and upon initial investigation designed and permitted the dredging of eight residential canals in the City of Port St. Lucie. The other two canals were found to have adequate depths and did not need any dredging. As the prime consultant, DMC held public meetings with residents to address questions and facilitate an understanding of the work to be completed in each canal. DMC also advised City Staff, provided information for a public website and met with stakeholders to orchestrate a project that would benefit all involved. In addition, DMC coordinated or completed a submerged lands determination, bathymetric survey, shoreline structures and vegetation survey, all environmental resource permitting with both state and federal agencies, disposal site design and selection, bidding, and inspection involved in dredging nearly 18,000 cubic yards of sediment from approximately 5 miles of canals. DMC also coordinated with various departments within the City to get their acceptance of the storage and final material disposal method. In addition, DMC completed review of existing utility plans, safety plan, MOT plans, spill response plans and construction schedules.



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St. Lucie County      \$3,000,000      Donald B. West, P.E.      772-462-1485      [donw@co.st-lucie.fl.us](mailto:donw@co.st-lucie.fl.us)  
**Taylor Creek Restoration Dredging, Phase 1:** DMC engineers and scientists managed, designed, planned and permitted the entire project in coordination with the County staff and funding partners (Florida Inland Navigation District, National Estuary Program, South Florida Water Management District and the Florida Ports Council) that had a vested interest in protecting the water quality and navigation of the Indian River Lagoon. Phase 1 was part of a complex project phased into two dredging events due to limited disposal site area and public concerns. This project focused on removal of fine-grained, organic-bearing sediment generally referred to as "muck." The project utilized chemical polymers for water clarification, innovative techniques to separate material, and dewatering of fine-grained sediment at the disposal site. The primary challenge of the project was dredging approximately 95,000 cubic yards in the first phase, then emptying the disposal site within one year.

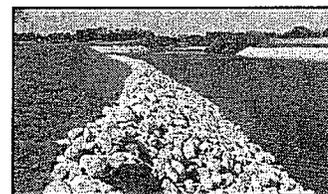


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St. Lucie County      Estimated at \$4,000,000      Donald B. West, P.E.      772-462-1485      [donw@co.st-lucie.fl.us](mailto:donw@co.st-lucie.fl.us)  
**Taylor Creek Restoration Dredging, Phase 2:** DMC engineers and scientists are managing, designing, planning, and permitting the Phase 2 project in coordination with County staff and funding partners (Florida Inland Navigation District, National Estuary Program, South Florida Water Management District, and the Florida Ports Council) that have a vested interest in protecting the water quality and navigation of the Indian River Lagoon (IRL). This project focuses on removal of approximately 80,000 cubic yards of fine-grained, organic-bearing sediment generally referred to as "muck." In order to dispose of this muck, a dredge material management area needed to be designed, permitted and constructed. After performing environmental assessments, including protected species (tree, scrub jay and gopher tortoise) surveys, and feasibility studies on several parcels, an approximately 20 acre site was selected for the proposed project. DMC staff successfully permitted construction of a dredge material management area that can be utilized for multiple dredging events. Construction of the dredge material management area will begin in the winter of 2011 with dredging expected in the summer of 2012.

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St. Lucie County      \$1,200,000      Donald B. West, P.E.      772-462-1485      [donw@co.st-lucie.fl.us](mailto:donw@co.st-lucie.fl.us)  
**Taylor Creek Restoration Shoreline Stabilization, Phase 3:** DMC engineers and scientists managed, designed, planned and permitted the entire project in coordination with the County staff, the project property owner (the South Florida Water Management District), and the regulatory agencies (Florida Department of Environmental Protection and the US Army Corps of Engineers). DMC evaluated over 1 mile of shoreline along the north and south banks of Taylor Creek and identified 2,800 linear feet of critical areas. Historically, waters entering Taylor Creek from both the North Belcher Canal and the C-25 Canal (through the S-50 control structure) have



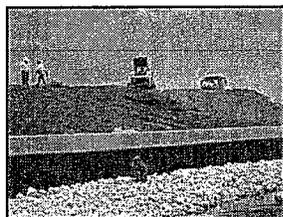
## DMC PROJECTS, cont'd.:

compromised the structural integrity of its banks on its way out to the Indian River Lagoon. The first two Phases of this project involved the dredging of Taylor Creek to improve water quality and remove undesirable muck sediments. Phase 3 was designed in conjunction with the other phases to reduce the sedimentation rate from the uplands while taking into account several other concerns: future erosion potential, historical erosion rate, right of way width and impacts to natural resources.

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St. Lucie County                      \$403,000                      Donald B. West, P.E.                      772-462-1485                      [donw@co.st-lucie.fl.us](mailto:donw@co.st-lucie.fl.us)

**Taylor Creek Emergency Shoreline Stabilization:** St. Lucie County retained grant funding through NRCS to permanently repair erosion caused by years of high velocity discharge from the C-25 and Belcher Canals. This erosion was accelerated during Tropical Storm Fay and threatened a shopping center stormwater pond and parking lot. DMC was tasked with design, permitting and completing the construction of this entire project in just six months in order to satisfy grant conditions. Our staff engineered, bid and managed construction of a 210 foot long retaining wall with rip-rap toe scour protection, completed environmental resource permitting through FDEP, SFWMD, and USACOE, and coordinated hydrographic and topographic surveys as well as in-water and on-land geotechnical investigation. In addition, DMC coordinated design with the funding agency and provided all reporting requirements to complete the project in six months.




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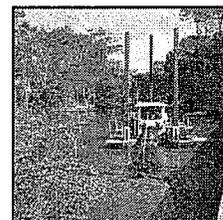
SFWMD                      Estimated at \$2,500,000                      Lucine Dadrian, P.E.                      561-682-2685                      [ldadrian@sfwmd.gov](mailto:ldadrian@sfwmd.gov)

**G-16 Canal Conveyance Capacity Program, Phase 2:** DMC successfully assessed just under 5 miles of the existing drainage canal G-16 for the SFWMD Canal Conveyance Capacity Program. Staff assembled past and existing topographic and hydrographic surveys, coordinated slope stability analysis, performed environmental resource survey's and collected potential dredge sediment for chemical testing and geotechnical analysis. DMC also reviewed as-built plans and documented existing conditions, focusing on areas of potential failure. Finally, DMC engineers prepared in-depth reports describing current canal conditions and provided plans, procedures and detailed cost estimations for necessary repairs.

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City of Port Orange                      \$1,600,000                      Shannon Lewis                      386-506-5501                      [slewis@port-orange.org](mailto:slewis@port-orange.org)

**B-23 Canal Dredging and Seawall Restoration:** DMC designed, permitted and provided construction inspection for the dredging and seawall replacement of an almost 1 mile long residential canal. As project managers, DMC coordinated with a multiple agency group consisting of SJRWMD, USACOE, FIND, Harbor Oaks Homeowners Association and several contractors to successfully dredge almost 20,000 cubic yards of muck material. In addition, DMC provided complete construction inspection, reporting and invoice approval to revitalize the canal as a crucial part of the Rose Bay Restoration. DMC also provided the City with project progress updates for newsletters and attended public meetings to keep the affected residents informed on the construction progress.



### CAPTEC (Sub-consultant) PROJECTS:

Agency	\$	Contact person	Telephone	email
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Project: **Eastern Watershed Improvement Project – Design:**

Agency, Contact/Telephone/Email: PSL Engineering, James Angstadt, 772.344.4239, [jangstadt@cityofpsl.com](mailto:jangstadt@cityofpsl.com)

Based on recommended improvements contained in our Report generated under a previous Phase, CAPTEC provided engineering coordination of design surveying services by City's Surveyor, provided property acquisition options alternatives analyses, finalized drainage basin studies of Howard Creek, Midport, and Eastport Phase 1 and 2 Drainage Basins, coordinated environmental services to delineate gopher tortoise habitat and wetland limits in the improvement areas, prepared civil engineering construction plans and environmental planting plans, obtained SFWMD/ACOE/FDEP permits, and provided bidding assistance for implementation of the recommended improvements. This project was submitted to the Florida Institute of Consulting Engineers for consideration of the 2012 Engineering Excellence Award. Project cost: \$16,000,000.

## CAPTEC (Sub-consultant) PROJECTS, cont'd.:

**Project: Hurricane Recovery/Emergency Watershed Protection – NRCS Contract #69-4209-6-1607:**

Agency, Contact/Telephone/Email: PSL Public Works, Larry Nadeau, 772. 871.5104, [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)  
CAPTEC provided coordination, technical support, engineering design & construction services to remove wind-blown debris & install emergency erosion protection measures to relieve hazards / damage caused by Hurricane Wilma in canals and waterways throughout the City of Port St. Lucie. Dozens of projects were completed under this contract, including Kingsway Waterway improvements. Construction certification and NRCS close-out assistance were also provided. Project cost: \$13,900,000.

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**Project: Moore's Creek, NRCS Project No.: 125-406 – NRCS Contract # 69-4209-6-1629:**

Agency, Contact/Telephone/Email: Ft. Pierce Engineering Dept., 772.462.2200



CAPTEC provided engineering services for stormwater management/debris removal from waterways & canals, repair of eroded areas, and sodding of disturbed areas at Moore's Creek, Indian Hills & 29th Street at Virginia Avenue drainage areas. Services for this NRCS funding assistance project were provided under a continuing services contract with the City of Ft. Pierce. Project cost: \$1,671,504.10.

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**Project: D-9 Canal & Hogpen Slough Improvement Project:**

Agency, Contact/Telephone/Email: Engineering Design & Construction, Inc. (EDC)

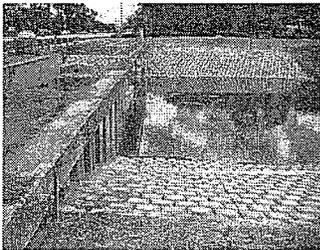
Roderick J. Kennedy, P.E., LEED AP, 772-462-2455; [rodkenedy@edc-inc.com](mailto:rodkenedy@edc-inc.com)

CAPTEC teamed with EDC for this St. Lucie County project to jointly provide engineering services for these projects, including coordination with City/County staff, engineering design, permitting, bidding assistance and CEI services to repair and install erosion protection measures for  $\pm 7,000$  lf of the D-9 Canal channel erosion from Bayshore Boulevard to the D-5 Canal, and for  $\pm 3,000$  lf of the Hogpen Slough from US-1 to Village Green Drive including renovation of the City's H-60 Control Structure including SCADA controlled auto-actuators for the operable gates. The H-60 Control Structure, located just east of US-1, is the discharge control for the Hogpen Slough (aka the H-16 Canal), which is the primary drainage canal for the northern portion of the City's Midport Drainage Basin. CAPTEC will also jointly provide contractor requisition oversight/approvals, construction certifications and close-out assistance duties. Project cost (both projects combined): \$3,000,000.

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**Project: NRCS Tropical Storm Fay Emergency Watershed Protection - NRCS Contract # 69-4209-9-1713:**

Agency, Contact/Telephone/Email: PSL Public Works, Larry Nadeau, 772. 871.5104, [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)

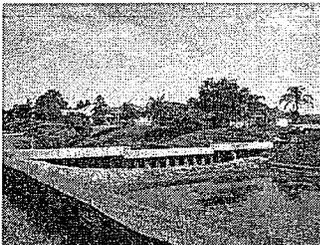


CAPTEC provided coordination, technical support, engineering design, and CEI services to install emergency watershed protection measures to relieve hazards and damages created by Tropical Storm Fay in canals and waterways within the CITY. Generally, the repairs relate to the City's stormwater infrastructure, such as piping, inlets, headwalls, canals, and/or control structures. Coordination with NRCS representatives and preparation of NRCS periodic payment requisitions was also performed. Project cost: \$1,425,000.

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**Project: E-8 Waterway Phase 1 Water Quality Retrofit:**

Agency, Contact/Telephone/Email: PSL Public Works, Larry Nadeau, 772. 871.5104, [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)



This project was the first phase of a stormwater quality retrofit BMP improvement for the City of Port St. Lucie Watershed "B" drainage basin. Watershed "B" is bordered by SFWMD C-24 Canal to the north, I-95 to the west, Gatlin Boulevard to the south & the FL Turnpike to the east. The E-8 Canal is the stormwater outfall for the 2,100 acre Watershed "B" Basin to the SFWMD C-24 Canal, and ultimately, the North Fork of the St. Lucie River. CAPTEC assisted the City to obtain SLRIT Grant funding and a Florida Forever grant to assist with construction of Phase 1. The Phase 1 E-8 Waterway water quality retrofit improvements

enhanced stormwater drainage and flood protection capacity; improved water quality; restored native vegetation and habitat; and provided an opportunity for environmental education. Project cost: \$1,486,360.

## CAPTEC PROJECTS cont'd:

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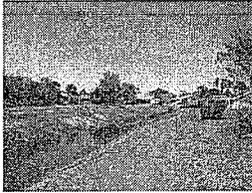
### Project: E-8 Waterway Phase 2 Water Quality Retrofit:

Agency, Contact/Telephone/Email: PSL Public Works, Larry Nadeau, 772. 871.5104, [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)  
CAPTEC provided engineering services for the 1,756 acre Phase 2 retrofit in central & western sections of the City's Watershed "B" drainage basin. Improvements included control structure upgrades, accumulated sediment removal & installation of a STA (vegetated marsh flow-ways) to reduce sediment & pollutant loads discharging into the C-24 Canal & North Fork of the St. Lucie River. Canals & swales were enhanced by removing exotic vegetation, re-planting native species, removing sediments & repair of eroded areas. Project cost: \$686,600.

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### Project: E-8 Waterway Phase 3 Water Quality Retrofit:

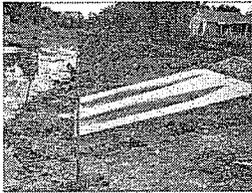
Agency, Contact/Telephone/Email: PSL Public Works, Larry Nadeau, 772. 871.5104, [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)  
CAPTEC provided engineering services for channel side slope re-grading and sodding to repair eroded areas; and channel dredging to remove accumulated muck and other sediments to reduce sediment loads currently discharging into the SFWMD C-24 Canal and the NF SLR. These improvements further enhanced stormwater drainage and flood protection capacity, improved stormwater quality treatment, and restored habitat in the western portions of Watershed B. Several of the existing tributary canals and swales were also enhanced by removal of existing exotic and nuisance vegetation, removal of accumulated waterway sediments, and repair of eroded areas. Project cost: \$282,825



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### Project: E-8 Waterway NRCS Emergency Watershed Protection – NRCS Contract # 69-4209-11-1768:

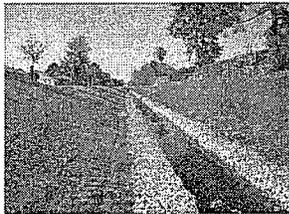
Agency, Contact/Telephone/Email: PSL Public Works, Larry Nadeau, 772. 871.5104, [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)  
Work tasks involve consulting engineering for repair of storm damages to the City's stormwater infrastructure. CAPTEC designed the repair of ten (10) stormwater infrastructure areas along the City's E-8 Canal. The work consisted of repairs to the City's stormwater infrastructure including culverts, inlets, headwalls, canals, and control structures. CAPTEC provided coordination, technical support, engineering design, CEI services and NRCS close-out assistance to install emergency watershed protection measures to relieve hazards and damages in the E-8 Canal and tributary waterways. The E-8 Canal is generally located north of Gatlin Boulevard, east of I-95, south of the SFWMD C-24 Canal and west of Port St. Lucie Boulevard within the City's Watershed B. Project cost: \$1,354,587.43



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### Project: D-17 Canal Regrading – CDBG Grant Project

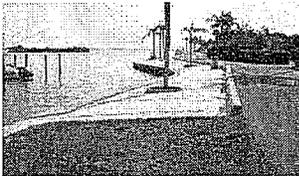
Agency, Contact/Telephone/Email: PSL Public Works, Larry Nadeau, 772. 871.5104, [lnadeau@cityofpsl.com](mailto:lnadeau@cityofpsl.com)  
CAPTEC provided coordination with City staff, surveyor sub-consultant, engineering design, permitting, bidding assistance and CEI services to repair and install erosion protection measures for approximately 6,300 lf of D-17 Canal channel erosion from Bayshore Boulevard to Ravenswood Lane. Project cost: \$1,097,347.



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### Project: Simara Street Bridge Reconstruction:

Agency, Contact/Telephone/Email: Town of Sewall's Point,  
Robert Kellogg, Town Manager, 772.288.5927, [rkellogg@martin.fl.us](mailto:rkellogg@martin.fl.us)



CAPTEC provided design, permitting & CEI services for renovation of hurricane damaged 560' x 20' of roadway, 70' x 5' seawall and 42' long section of concrete seawall cap. Repairs included replacement of washed out roadway slopes & 530 CY of fill, repair 20'x6"x18" Type D concrete curb, replace 160 lf of standard guardrail & post, and replacement of 12 traffic/directional signs. Project cost: \$583,000.

3. *Detail of staff experience in dredge design and slope restoration projects, including dredge templates, permitting, spoil disposal (acceptability parameters) and budget results*

The following are examples of previous experience in dredging and shoreline stabilization/ protection related projects completed by DMC staff at DMC and at other firms where indicated.

Staff Name	Title	Years Exp	Company	Project Name and Description	Budget	
Shailesh K. Patel, M.Sc., CPSSc.	Principal/ Senior Project Manager	20	DMC	Kingsway Canal Hurricane Recovery Debris Removal	\$680,000	
			BCI/DMC	Port St. Lucie Waterways and Canals Dredging	\$450,000	
				Taylor Creek Restoration, Phase 1 Dredging	\$3,000,000	
				Taylor Creek Restoration, Phase 2 Dredging	\$4,000,000	
				Taylor Creek Restoration, Phase 3 Shoreline Stabilization	\$1,200,000	
				Taylor Creek Emergency Shoreline Stabilization	\$403,000	
				SFWMD G-16 Canal Conveyance Capacity Program, Phase 2	\$2,500,000	
				B-23 Canal Dredging & Seawall Restoration	\$1,600,000	
				SFWMD L-14, C-23, C-23A CCCP, Phase 1	\$20,000,000	
				Reed Canal Access Dredging	\$1,250,000	
				BCI	Turkey Creek Restoration Dredging	\$1,500,000
				BCI	Crane Creek Restoration Dredging	\$1,200,000
					Lake Jessup Aquatic Enhancement Dredging	\$7,800,000
				BCI	Lake Hollingsworth Restoration Dredging	\$12,000,000
				BCI	Lake Maggiore	\$8,000,000
					City of New Smyrna Beach Calore Canal Dredging	\$1,160,000
					Panama City Dredging and Shoreline Stabilization	\$900,000
					City of Port Orange Parks Shoreline Stabilization	\$323,000
					Halifax Harbor Marina Dredging	\$800,000
					Sweetwater Cove Tributary Restoration Dredging	\$1,700,000
					Ponce Inlet Side Channel Dredging	\$355,000
					Wooton Park Boat Ramp Dredging	\$85,000
					Summerall Park Access Channel Dredging	\$71,000
	Lake Rowell Restoration Dredging Design	\$212,000				
	Lake Seminole Restoration Dredging	TBD				
	Tavares Recreational Park Boat Ramp Dredging	\$75,000				
Curtis N. Todd, P.E.	Senior Project Engineer	30	DMC	Port St. Lucie Waterways and Canals Dredging	\$450,000	
				Taylor Creek Restoration, Phase 2 Dredging	\$4,000,000	
				Taylor Creek Restoration, Phase 3 Shoreline Stabilization	\$1,200,000	
				Taylor Creek Emergency Shoreline Stabilization	\$403,000	
				SFWMD G-16 Canal Conveyance Capacity Program, Phase 2	\$2,500,000	
				B-23 Canal Dredging & Seawall Restoration	\$1,600,000	
				SFWMD L-14, C-23, C-23A CCCP, Phase 1	\$20,000,000	
				Reed Canal Access Dredging	\$1,250,000	
				City of New Smyrna Beach Calore Canal Dredging	\$1,160,000	
				Panama City Dredging and Shoreline Stabilization	\$900,000	
				City of Port Orange Parks Shoreline Stabilization	\$323,000	
				Halifax Harbor Marina Dredging	\$800,000	
				Sweetwater Cove Tributary Restoration Dredging	\$1,700,000	
				Ponce Inlet Side Channel Dredging	\$355,000	
				Wooton Park Boat Ramp Dredging	\$85,000	
				Summerall Park Access Channel Dredging	\$71,000	
	Lake Rowell Restoration Dredging Design	\$212,000				
	Lake Seminole Restoration Dredging	TBD				
	Tavares Recreational Park Boat Ramp Dredging	\$75,000				
Joshua J. Revord, E.I.	Engineer	2	DMC	Port St. Lucie Waterways and Canals Dredging	\$450,000	
				Taylor Creek Restoration, Phase 2 Dredging	\$4,000,000	
				SFWMD G-16 Canal Conveyance Capacity Program, Phase 2	\$2,500,000	
				B-23 Canal Dredging & Seawall Restoration	\$1,600,000	
				Reed Canal Access Dredging	\$1,250,000	
				City of New Smyrna Beach Calore Canal Dredging	\$1,160,000	
				Tavares Recreational Park Boat Ramp Dredging	\$75,000	
	Lake Seminole Restoration Dredging	TBD				

3. Detail of staff experience in dredge design and slope restoration projects, including dredge templates, permitting, spoil disposal (acceptability parameters) and budget results cont'd

Staff Name	Title	Years Exp	Company	Project Name and Description	Budget
Joseph M. Faella	Aquatic Biologist	10	DMC	Port St. Lucie Waterways and Canals Dredging	\$450,000
				Taylor Creek Restoration, Phase 2 Dredging	\$4,000,000
				Taylor Creek Restoration, Phase 3 Shoreline Stabilization	\$1,200,000
				Taylor Creek Emergency Shoreline Stabilization	\$403,000
				SFWMD G-16 Canal Conveyance Capacity Program, Phase 2	\$2,500,000
				B-23 Canal Dredging & Seawall Restoration	\$1,600,000
				SFWMD L-14, C-23, C-23A CCCP, Phase 1	\$20,000,000
				Reed Canal Access Dredging	\$1,250,000
				City of New Smyrna Beach Calore Canal Dredging	\$1,160,000
				Panama City Dredging and Shoreline Stabilization	\$900,000
				City of Port Orange Parks Shoreline Stabilization	\$323,000
				Halifax Harbor Marina Dredging	\$800,000
				Sweetwater Cove Tributary Restoration Dredging	\$1,700,000
				Ponce Inlet Side Channel Dredging	\$355,000
				Wooton Park Boat Ramp Dredging	\$85,000
				Summerall Park Access Channel Dredging	\$71,000
				Lake Rowell Restoration Dredging Design	\$212,000
Lake Seminole Restoration Dredging	TBD				
Tavares Recreational Park Boat Ramp Dredging	\$75,000				
Niles C. Cyzycki	Ecologist	7	DMC	Port St. Lucie Waterways and Canals Dredging	\$450,000
				Taylor Creek Restoration, Phase 2 Dredging	\$4,000,000
				Taylor Creek Restoration, Phase 3 Shoreline Stabilization	\$1,200,000
				Taylor Creek Emergency Shoreline Stabilization	\$403,000
				SFWMD G-16 Canal Conveyance Capacity Program, Phase 2	\$2,500,000
				B-23 Canal Dredging & Seawall Restoration	\$1,600,000
				SFWMD L-14, C-23, C-23A CCCP, Phase 1	\$20,000,000
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				City of New Smyrna Beach Calore Canal Dredging	\$1,160,000
				Panama City Dredging and Shoreline Stabilization	\$900,000
				City of Port Orange Parks Shoreline Stabilization	\$323,000
				Halifax Harbor Marina Dredging	\$800,000
				Sweetwater Cove Tributary Restoration Dredging	\$1,700,000
				Ponce Inlet Side Channel Dredging	\$355,000
				Wooton Park Boat Ramp Dredging	\$85,000
				Summerall Park Access Channel Dredging	\$71,000
				Lake Rowell Restoration Dredging Design	\$212,000
Lake Seminole Restoration Dredging	TBD				
Tavares Recreational Park Boat Ramp Dredging	\$75,000				

4. Identify the staff assigned to the project and the scope of work to be performed.

Dredging and Marine Consultants, LLC (Prime)	Years with Company	Scope of Work
Shailesh K. Patel, M.Sc., CPSSc.	10	<b>President, Senior Project Manager:</b> Mr. Patel specializes in dredging and sediment management projects. He will serve as the senior project manager and will be the point-of-contact for all contractual aspects of the project. He will provide technical review and overall quality assurance/ quality control (QA/QC) over all DMC and sub-consulting staff. Mr. Patel will facilitate the overall engineering, strategic planning and sequencing of the project. He will also evaluate the environmental and economic feasibility and represent the City's project manager during interactions with council members, the general public and other stakeholders, as he has done in the past dredging projects for the City. He will communicate with the City's OMB Department during the contractual phase, during the bidding and inspection processes and throughout the project. Mr. Patel will lead weekly project meetings internally at DMC and with the sub-consultants as needed, to ensure resource allocation, work quality, efficiency and consistent communications with the City staff for the duration of the project.
Curtis N. Todd, P.E.	5	<b>Senior Project Engineer:</b> Mr. Todd is a senior level engineer specializing in dredging, stormwater drainage and civil site engineering projects. His primary roles in this project will be in the design, review and certification of dredge and disposal activities. He also provides the technical language in the bid specifications and assists with the bidding process. During the design phase, Mr. Todd will be evaluating the existing drainage facilities, shorelines and hydrographic data. He will incorporate drainage upgrades and slope stabilization measures into the design along with the cross-sections and templates needed for dredging. Mr. Todd will communicate with construction inspectors to ensure engineering compliance according to design and regulatory guidelines. He will review data or requests from sub-consultants and contractors as well as historical data, as-built surveys and compliance records.
Joshua J. Revord, E.I.	2	<b>Engineer:</b> Mr. Revord specializes in marine engineering projects related to waterway dredging, structures and processes. He will serve as co-manager with Mr. Patel. Prior to construction, he will assist with developing the construction plans, calculating engineering quantities and preparing a long-term Operation and Maintenance Plan. During dredging and disposal activities, he will be conducting construction inspections and on-site technical reviews while collaborating with engineering and environmental review staff. He will work closely with the contractor to maintain the required engineering, safety, maintenance of traffic and environmental compliance. In addition, Mr. Revord is PADI dive certified and assists ecological staff with underwater assessments and environmental monitoring during all phases of design and construction.

<b>Dredging and Marine Consultants, LLC (Prime)</b>	Years with Company	Scope of Work
Joseph M. Faella	5	<b>Aquatic Biologist:</b> Mr. Faella is experienced in habitat assessments, benthic population monitoring and wetland mitigation. He also is an avid grant writer and will manage the grant acquisition and administration tasks. During the design phase, he will work closely with engineering staff to establish vegetation removal and sodding details. In the field, he is part of the environmental team that will conduct assessments before, during and after construction to monitor ecological resources and ensure permit compliance. Mr. Faella will be responsible for ensuring that all floral and faunal assessments are evaluated with acceptable protocols and documented for permitting use, including identification of any exotic vegetation such as Brazilian pepper. At upland areas proposed for impacts, such as the disposal site, Mr. Faella will evaluate the preexisting ecological conditions and work with regulatory staff to initiate an appropriate mitigation plan to compensate for impacts, if necessary. He will also assist with construction inspections as needed to alleviate the primary inspector.
Niles C. Cyzycki	5	<b>Ecologist:</b> Mr. Cyzycki is knowledgeable in threatened and endangered species surveys, submerged aquatic vegetation (SAV) assessments and environmental resource permitting. He manages the permit application process and will communicate directly with FDEP, SFWMD, FDOT and USACE to secure all necessary permits for this project. He also prepares the bid specifications according to the details of the construction plans. In the field, Mr. Cyzycki is part of the environmental team that will conduct assessments before, during and after construction to monitor ecological resources and ensure permit compliance. Mr. Cyzycki is certified through the Florida Department of Environmental Protection as a Stormwater Inspector and will review and enforce contractor turbidity control measures, manatee compliance and other permit conditions. He will ensure that all Standard Manatee Construction Conditions are followed and documented as required by the various agencies. He will also assist with construction inspections as needed to alleviate the primary inspector.
<b>CAPTEC Engineering, Inc. (Drainage, Stormwater &amp; Structures)</b>	Years with Company	Scope of Work
Joseph W. Capra, PE	15	<b>President, Principal in Charge:</b> Mr. Capra will provide design oversight/quality control services for all drainage, stormwater, and/or structures improvements. He will conduct periodic reviews throughout the life of the project to ensure technical competency of the project documents and that staffing efforts are appropriate to meet the project budget and timeline goals. Quality control reviews will be performed prior to all milestone submittals and weekly project staff meetings will monitor production status to ensure the progress of all action items.

<b>CAPTEC Engineering, Inc. (Drainage, Stormwater &amp; Structures)</b>	Years with Company	Scope of Work
Steve Marquart, PE	8	<b>Project Manager:</b> Collaborating with DMC and using his extensive experience with City of Port St. Lucie drainage systems, Mr. Marquart will provide engineering design, survey coordination, permitting, and bid specifications for the drainage upgrades along the Kingsway Waterway within the City owned Drainage Right-of-Way.
Rhett Keene, PE	10	<b>Project Engineer:</b> Mr. Keene will contribute his considerable knowledge of City of Port St. Lucie drainage systems by assisting with preparation of the design, permitting and bid specification documents for this dredging / drainage project.
Gina Colonna	7	<b>Project Coordinator:</b> Ms. Colonna possesses a broad understanding of City of Port St. Lucie protocol and design / permitting submittal requirements, from prior experience on a variety of City drainage projects. Ms. Colonna will serve as the administrative liaison between DMC and CAPTEC, coordinating meetings and submittals with DMC staff, and she will also assemble / submit the necessary permit application packages to the various regulatory agencies.
<b>GCY, Inc. (Topographic &amp; Hydrographic Survey)</b>	Years with Company	Scope of Work
George C. Young, Jr., PSM	17	<b>Principal:</b> Mr. Young will provide QA/QC for all work related to topographic and hydrographic surveying. This includes confirmation and verification that the correct survey datum is utilized throughout the project.
Pete Anderson, PSM	10	<b>Project Manager:</b> Mr. Anderson will be responsible for overall project management, coordination of survey crews, QA/QC, and final production of deliverables.
<b>Ardaman and Associates, Inc. (Geotechnical)</b>	Years with Company	Scope of Work
Daniel J. Zrallack, P.E.	14	<b>Project Manager:</b> Mr. Zrallack will provide overall project management, coordination of any geotechnical boring drill crews, oversight of all geotechnical reports and project QA/QC.
Will B. Cornelius II, P.E.	7	<b>Engineer:</b> Mr. Cornelius will act as the geotechnical engineer responsible for all sediment testing, geotechnical borings and provide slope stability analysis if necessary.
<b>Pace Analytical Services, Inc. (Sediment and Water Chemical Analysis)</b>	Years with Company	Scope of Work
Jeff Baylor	10	<b>Project Manager:</b> Mr. Baylor will act as project manager, provide QA/QC and oversee all chemical testing associated with the dredge material.

5. *Identify your firm's procedures and experience with sediment composition sampling/analysis.*

Sediment geotechnical and chemical analyses, and associated surface water analyses, are often completed within predetermined project areas to get a subsurface "snap shot" of the waterway to be dredged. Geotechnical testing is necessary to determine the potential presence of physical characteristics that could affect methodology of dredging, as well as handling and dewatering during disposal. Typically, sandy sediments can be easily dewatered and incorporated into other construction projects and are of greater demand, resulting in less challenges for disposal. In addition, trucking and grading of sandy sediment present fewer material management challenges and result in less expensive handling. On the other hand, the large presence of fine materials can make sediment handling, dewatering and trucking more challenging and costly. Often, fine materials require specialized equipment, such as hydrocyclones for material separation and then belt presses, filter presses, or geotextile tubes for additional dewatering, followed by polymer treatment for water clarification to meet discharge criteria set forth in the permitting. Often sealed trucks are utilized for transportation of fine material and larger disposal sites to contain these types of sediments. All these assessment for dewatering and hauling utilize the sediment physical parameters and thus it is critical that samples are collected to best represent the types(s) of material that may be encountered. This information will also enable proper design of the required disposal areas which may be limited in these residential areas.

Chemical testing of sediment is required to determine disposal and permitting options. Higher than acceptable or regulated concentrations of certain metals, pesticides, herbicides, hydrocarbons and other important elements or compounds can complicate the process of dredging and disposal due to potentially detrimental health and environmental effects. These negative attributes reduce the permitting options for selecting appropriate disposal sites, and can require special handling and disposal at landfills for permanent sediment storage. In addition to sediment data, surface water chemistry testing data are useful during the permitting process to better understand its influence on sediment chemistry and local inputs into the system.

Our environmental staff is well trained to follow state and federal Standard Operating Procedures (SOP's) for the collection, transport, storage and analysis of sediment and water samples for any type of project. Guidelines from the US Environmental Protection Agency (EPA), the Standard Methods for the Examination of Water and Wastewater, and Florida Department of Environmental Protection (FDEP) QA Rule, 62-160, F.A.C. are applied to each project as applicable. As additional assurance, **DMC** field staff has specifically received training from the University of Florida in a field and classroom intensive course called "FDEP SOP Sampling Training for Groundwater, Surface Water and Wastewater."

DMC's environmental staff collects composite sediment samples to at least the anticipated dredge depths within the project area. Semi-random locations are chosen based upon overall distribution through the waterway and proximity to structural boundaries. A handheld GPS receiver is used to document sampling locations. A five foot long, two inch diameter, stainless steel Wildco Ogeechee/ hand corer is used to collect samples to the anticipated dredge depths or sampler refusal at each location. Associated surface water is often collected from the middle of the water column at the same locations using a Wildco Beta water sampler.

All sediment and water collection is performed according to the appropriate Standard Operating Procedures (SOP's) of the Florida Department of Environmental Protection (FDEP) cited in 62-160, F.A.C. These SOP's include FQ 1000 (Quality Control), FS 1000 (General Sampling), FS 2000 (General Water Sampling), FS 2100 (General Surface Water Sampling) and FS 4000 (Sediment Sampling). Per the SOP's, sampling devices are thoroughly cleaned with Liqui-Nox phosphate-free detergent and de-ionized water, and rinsed with site water prior to each sample collection; and powder/ latex-free gloves are used during all cleaning and collection. During collection, samples are visually analyzed and site conditions are recorded. Samples are placed into the appropriate containers, preserved and transported to the laboratory according to the FDEP SOP's. Specific

5. *Identify your firm's procedures and experience with sediment composition sampling/analysis cont'd.*

sample identification numbers will be assigned to the samples. These ID numbers are labeled on all sample containers, chain of custody forms and data sheets. The laboratories, then, utilize these ID numbers for testing and reporting results.

Physical sediment testing will be performed by Ardaman and Associates, Inc. according to American Society for Testing and Materials (ASTM) standards. Physical testing usually consists of sieve analyses, percent fines, organic content, solids content, specific gravity and Atterberg Limit evaluations. Chemical testing is performed by Pace Analytical Services, a National Environmental Laboratory Accreditation Conference (NELAC) facility. Sediment chemistry testing parameters normally include pesticides, herbicides, polychlorinated biphenyls (PCB), total metals, total recoverable petroleum hydrocarbons (TRPH) and polycyclic aromatic hydrocarbons (PAH). Surface water chemistry parameters may include sodium, specific conductance, salinity, pH, chloride and various forms of nutrients (phosphorus and nitrogen).

6. *Explain your firm's process for environmental assessment, including floral/fauna/native species and monitoring*

Collectively, DMC's environmental staff has had extensive training and project experience conducting environmental assessments and monitoring biological populations. For this waterway dredging project, aquatic resource surveys will need to be conducted, including submerged aquatic vegetation (SAV) surveys, benthic invertebrate sampling and shoreline vegetation monitoring. In addition, some wetland and terrestrial evaluations may be necessary to determine potential impacts of construction lay-down, loading/ unloading and disposal areas near the waterway. The Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP's) used in such tasks include FQ 1000 – Quality Control, FS 1000 – General Sampling, FS 2000 – Water Sampling Series, FS 3000 – Soil Sampling, FS 4000 – Sediment Sampling, FS 7000 – Biological Communities, FS 8200 – Clean Sampling for Trace Metals, FT 1000 – Field Testing Series, FT 3000 – Habitat Assessment and LT 7000 – Biological Indices.

SAV procedures involve a visual reconnaissance, regularly spaced transects and snorkeling/ diving to identify the presence, locations, percent cover and density of seagrass species. Florida Fish and Wildlife Conservation Commission survey protocols are followed. Benthic sampling is conducted using a standard petite Ponar grab and US No. 35 (500 micron) mesh sieve bucket according to the FL Department of Environmental Protection (FDEP) protocol and sections 10500 A and B of the "Standard Methods for the Examination of Water and Wastewater". Shoreline vegetation is evaluated by boat and land along the waterway. Native species will be identified for protection prior to commencement and monitored during and after dredging operations. While conducting in-water assessments, miscellaneous fish and invertebrates encountered will be identified and protocol will be followed to protect those that are listed as threatened or endangered.

At the land/ water interface, wetland delineations may be performed to establish ecological boundaries. DMC's ecologists are FWC authorized to survey, permit and relocate gopher tortoises, so potentially occupied tortoise burrows found in impacted upland areas will be identified and protocol will be followed to temporarily protect or permanently remove its occupants. Florida scrub jay surveys may also be necessary in adjacent and nearby upland ecosystems. DMC's ecological staff is experienced in following the necessary US Fish and Wildlife Service protocol using bird song recordings at intervals within a transect system to attract individuals present in the area. Other terrestrial floral and faunal assessments, including threatened and endangered species surveys and exotic/non-native vegetation identification, will be performed as necessary to determine the potential dredging or disposal impacts on the area's ecological integrity.

All field work methodology is reviewed by our senior staff prior to execution to ensure local, state and federal SOP's are employed. Each step of the project has QA/QC incorporated, and this is extended to sub-consultants as well. Each sub-consultant will be required to submit their QA/QC plans for review and identify a key contact person responsible for such activity.

7. *Detail your firm's experience and staffing capabilities in regards to endangered species evaluation and monitoring.*

Environmental scientists on staff include Mr. Joseph Faella, an aquatic biologist experienced in shoreline habitat assessments, benthic population monitoring and wetland mitigation; and Mr. Niles Cyzycki, an ecologist experienced in threatened and endangered species surveys, submerged aquatic vegetation (SAV) assessments and environmental permitting. Mr. Joshua Revord is a PADI dive certified marine engineer who specializes in underwater assessments and resource surveys. Mr. Shailesh Patel, DMC's Principal, is a soil and water scientist by training and specializes in dredging and sediment management. He presents a workshop on Managing Sediment Removal Projects at the Annual Florida Lake Management Society Conference and served as the society's president twice. The aforementioned **DMC** staff has varied technical backgrounds, and the best suited professional manages or co-manages a particular project. Our scientific staff is state-certified, licensed and trained in a variety of disciplines, including:

- Certified Professional in Soil Science
- FWC Authorized Gopher Tortoise Agents
- FDEP Trained in SOP Sampling for Groundwater, Surface Water and Wastewater
- FDEP Certified Stormwater Inspector
- FDACS Certified in Public Health
- University of Florida Certified Master Naturalists in Coastal Systems
- FDEP Trained in Stream Condition Index
- FDEP Trained in Wetland Delineations and Uniform Mitigation Assessment Method (UMAM)
- PADI Dive Certified

DMC's environmental staff conducts preliminary surveys to identify any threatened or endangered species in the vicinity of the project template and coordinates with permitting agencies to develop a suitable monitoring and protection plan. Such a plan often consists of ecological monitoring and reporting before, during and after project activity. If impacts are unavoidable, a compensatory mitigation plan may be developed. Prior to commencement, mangroves and other important shoreline plants are clearly marked with survey tape to prevent damage from the contractor. Submerged aquatic vegetation is also identified and monitored for the length of the project. "Standard Manatee Conditions for In-water Work" are carefully followed to prevent manatee injury or death. Such conditions include a designated manatee observer, idle vessel speeds, educational signage, temporary shut down procedures within 50 feet of a manatee and best management practices to prevent contact or entanglement during periods of shut-down. DMC will enforce these manatee conditions as part of the construction inspection tasks. Aside from these typical species of concern, DMC staff will monitor any other aquatic species entering the work area as well as terrestrial species, such as gopher tortoises and scrub jays, potentially located in the vicinity of equipment lay down, load/unload or sediment disposal areas. In addition, water turbidity monitoring will be conducted and control measures taken per permit conditions to prevent inadvertent impacts to native floral and faunal species.

8. *Where is your assigned staff's office located for this project and what is your response time to the site for resolution of design issues indentified during construction.*

Dredging and Marine Consultants, LLC's office is located in Port St. Lucie, Florida, just off of the I-95 exit at St Lucie West Boulevard. Our office is only 6.5 miles, driving distance, to the City of Port St. Lucie's Engineering Department and from the project site. Our design staff will respond to issues immediately via telephone and email, and can be on-site or at the City of Port St. Lucie Engineering Department within 15 minutes. Outside of normal business hours, one of the engineers for this project, Joshua Revord, lives approximately 3 miles from the project site and can respond within 10 minutes.

9. *List past 5 years of litigation history*

Dredging & Marine Consultants, LLC has not had any past and/or pending litigation relating to any projects within the past five (5) years.

10. *List number of design projects awarded to City in past 12 months and the total dollar amount.*

Dredging & Marine Consultants, LLC has not been awarded any design projects by the City in the last 12 months.

Project	Date of Award	Responsibility	Is Work Completed?	Amount of Contract	Balance of Contract
<b>Total:</b>				<b>\$0.00</b>	<b>\$0.00</b>

11. *Does your firm accept payment by Credit Card?*

Not currently; however, DMC is willing to consider payment by credit card.

**ADDENDUM ACKNOWLEDGMENT** - Proposer acknowledges that the following addenda have been received and are included in his/her proposal:

Addendum Number	Date Issued
1	10/18/11

**CERTIFICATION: Dredging & Marine Consultants, LLC**

This E-Bid is submitted by: **Shailesh K. Patel** who is an officer of the above firm duly authorized to sign proposals and enter into contracts. I certify that this E-Bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to comply with all requirements stated in the specifications for this E-bid, the Terms and Conditions including amendments to Master Contract #20070049.

I agree to abide by all conditions of this E-Bid.:

Shailesh K. Patel  
Signature

Managing Member/President  
Title

If a corporation renders this E-Bid, the corporate seal attested by the secretary shall be affixed below. Any agent signing this E-Bid shall attach to this form evidence of legal authority.

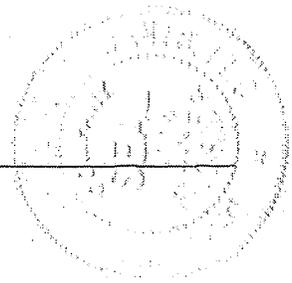
Witnesses:

Corporation:

Arif Cymakli  
Curtis N. Todd

Dredging & Marine Consultants, LLC  
Print Name of Corporation

By: Shailesh K. Patel  
(Managing Member/President)



Attest: NOT APPLICABLE  
(Secretary)

H 02 000198821 U

**CERTIFICATE OF DESIGNATION OF  
REGISTERED AGENT/REGISTERED OFFICE**

PURSUANT TO THE PROVISIONS OF 608.415 OR 608.507, FLORIDA STATUTES, THE UNDERSIGNED LIMITED LIABILITY COMPANY SUBMITS THE FOLLOWING STATEMENT TO DESIGNATE A REGISTERED OFFICE AND REGISTERED AGENT IN THE STATE OF FLORIDA.

1. The name of the Limited Liability Company is:

**DREDGING & MARINE CONSULTANTS L.L.C.**

2. The name and the Florida street address of the registered agent are:

**SHAILESH K. PATEL  
1336 OSPREY NEST LANE  
PORT ORANGE, FL 32128**

Having been named as registered agent and to accept service of process for the above stated Limited Liability Company at the place designated in this certificate, I hereby accept the appointment as registered agent and agree to act in this capacity. I further agree to comply with the provisions of all statutes relating to the proper and complete performance of my duties, and I am familiar with and accept the obligations of my position as registered agent.

  
\_\_\_\_\_  
**SHAILESH K. PATEL**



*"A City for All Ages"*

## **CITY OF PORT ST. LUCIE**

**Sealed Electronic Proposal #20120007  
(E-Bid)**

**Design and Permitting of Kingsway Waterway**

Prepared By:  
Cheryl Shanaberger  
Office of Management & Budget  
121 SW Port St. Lucie Boulevard  
Port St. Lucie, FL 34984-5099  
772-871-7390  
[cheryls@cityofpsl.com](mailto:cheryls@cityofpsl.com)

TRUTH-IN-NEGOTIATION CERTIFICATE AND AFFIDAVIT

STATE OF FLORIDA §  
COUNTY OF ST. LUCIE §

Before me, the undersigned authority, personally appeared affiant Tanzer Kalayci who being first duly sworn, deposes and says:

1. That the undersigned firm is furnishing this Truth in Negotiation Certificate pursuant to Section 287.055(5)(a) of the Florida Statutes for the undersigned firm to receive an agreement for professional services with the City of Port St. Lucie, St. Lucie County, Florida.

2. That the undersigned firm is a corporation which engages in furnishing professional architect and engineering services and is entering into an agreement with the City of Port St. Lucie, St. Lucie County, Florida to provide professional services for a project known as #20120005, Design and Permitting of Savona Boulevard Sidewalk and Pedestrian Bridge.

3. That the undersigned firm has furnished the City of Port St. Lucie, St. Lucie County, Florida a detailed analysis of the cost of the professional services required for the project.

4. That the wage rate information and other factual unit cost, which the undersigned firm furnished, were accurate, complete and current at the time the undersigned firm and the City of Port St. Lucie entered into the agreement for professional services on the project.

5. That the agreement which the undersigned firm and the City of Port St. Lucie entered into on this job contained a provision that the original agreement price and any additions thereto shall be adjusted to include any significant sums by which the City of Port St. Lucie determines the agreement price was increased due to inaccurate, incomplete or non-current wage rates or other factual unit cost and that all such agreement adjustments shall be made within one (1) year following the end of the agreement.

FURTHER AFFIANT SAYETH NAUGHT

Keith and Schnars  
Name of Firm

T.A. Kalayci

By: President

The foregoing instrument was acknowledged before me by TANZER H. KALAYCI who has produced \_\_\_\_\_ as identification or is personally known to me.

WITNESS my hand and official seal in the State of County last aforesaid this 25th day of OCTOBER, 2011.

(SEAL)

Donna M. Souza  
Signature

DONNA M. SOUZA  
Notary Name (typed or printed)

\_\_\_\_\_  
Title or Rank



## QUESTIONNAIRE

E-Bid #20120007

### Design and Permitting Kingsway Waterway

It is understood and agreed that the following information is to be used by the City of Port St. Lucie to determine the qualifications of personnel and firm as presented in this document. The Proposer waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Proposer or the personnel of the Proposer.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Consultant, Surety, bank material or equipment manufacturer or distributor, or any person, firm or corporation to furnish the City of Port St. Lucie any Pertinent information requested by the City deemed necessary to vary the information on this questionnaire.

Dated this 26 day of October, 2011

Keith and Schnars, P.A.

(Name of Organization / Proposer)

**1. Firm's office address, telephone, fax number, e-mail address and contact person for this project**

Keith and Schnars, P.A.  
6500 North Andrews Avenue  
Fort Lauderdale, Florida 33309  
Phone: 954-776-1616  
FAX: 954-771-7690  
Contact Person: Mark E. Tomczyk, P.E..  
Email: mtomczyk@keithandschnars.com

**2. Please include a history of similar projects.**

Agency	\$	Contact person	Telephone	email
SFWMD, C-1 Canal Widening, Acme Basin B Discharge Project, Wellington FL	\$2.5 million (engineering design & permitting)	Tommy Strowd, P.E.	561-686- 8800	tstrowd@sfwmd.gov
Broward County, Everglades Restoration Area, Weston FL	\$500,000	Brad Terrier	954-577- 4579	BTERRIER@broward.org

3. **Detail of staff experience in dredge design and slope restoration projects, including dredge templates, permitting, spoil disposal (acceptability parameters) and budget results**

Staff Name	Title	Years Exp	Company	Project Name & Description
John Abbott, PG	Project Manager	15	K&S	<u>Name:</u> SFWMD Acme Basin B Discharge Project, Wellington FL. <u>Description:</u> The project involved converting 362 acres of agricultural land to an impoundment and wetland, widening 3 miles of the C-1 Canal, and constructing two pump stations.
Joyce Howland	Environmental Permitting Lead	35	K&S	<u>Name:</u> SFWMD Acme Basin B Discharge Project, Wellington FL. <u>Description:</u> The project involved converting 362 acres of agricultural land to an impoundment and wetland, widening 3 miles of the C-1 Canal, and constructing two pump stations.
Kristine Stewart, Ph.D.	Senior Biologist	30	K&S	<u>Name:</u> SFWMD Acme Basin B Discharge Project, Wellington FL. <u>Description:</u> The project involved converting 362 acres of agricultural land to an impoundment and wetland, widening 3 miles of the C-1 Canal, and constructing two pump stations.
Mark Tomczyk	VP	22	Craig A. Smith & Assoc.	County of Okeechobee, Taylor Creek Dredge Project, Okeechobee County, FL: Supervising Engineer for the design dredge project, removing sediment within the canals of rural community. Project restored water access to Lake Okeechobee via the existing development canal system, and reduced potential phosphorous loading discharges into Lake Okeechobee. Project was funded through a grant from SFWMD.

				City of Oakland Park, New River Dredge Project, Broward County FL; Supervising engineer for design and permitting. Project to remove accumulated sediment and exotic plantings that impeded water conveyance.
Tim Hall	VP-Civil Engineering	25	Keith and Schnars	The Acme Basin B Discharge Project is one of the Comprehensive Everglades Restoration Plan (CERP) Acceler8 projects. The \$25 million project involves re-routing stormwater runoff in the Village of Wellington to comply with the Everglades Forever Act. Keith and Schnars led the planning and engineering design of the project. The project involved widening 4 miles of the C-1 canal, realigning a roadway, design of a 220 cfs pump station, design of a 400-acre impoundment, and design of other improvements. Keith and Schnars performed the land survey, wildlife and vegetation survey, contamination assessment, land management plan, wetland and landscape design, freeboard and dam breach analyses, engineering design of the canal widening, engineering design of the culverts and gates, engineering design of the impoundment levee, and engineering design of the roadway realignment. Keith and Schnars also provided oversight of the geotechnical work, seepage analyses, and pump station design. The engineering design of the canal, roadway, and pump station was completed to 100% plans and specifications. The engineering design of the impoundment was completed to

				<p>30% plans and specifications when the SFWMD determined that the impoundment was not needed to comply with the Everglades Forever Act. Keith and Schnars also led the public involvement effort for the project by coordinating and conducting many public meetings – the project involved extensive coordination with federal, State, local, and private agencies and stakeholders.</p>
Frank Vilar	Senior Proj Mgr.	15	Keith and Schnars	<p>The Acme Basin B Discharge Project is one of the Comprehensive Everglades Restoration Plan (CERP) Acceler8 projects. The \$25 million project involves re-routing stormwater runoff in the Village of Wellington to comply with the Everglades Forever Act. Keith and Schnars led the planning and engineering design of the project. The project involved widening 4 miles of the C-1 canal, realigning a roadway, design of a 220 cfs pump station, design of a 400-acre impoundment, and design of other improvements. Keith and Schnars performed the land survey, wildlife and vegetation survey, contamination assessment, land management plan, wetland and landscape design, freeboard and dam breach analyses, engineering design of the canal widening, engineering design of the culverts and gates, engineering design of the impoundment levee, and engineering design of the roadway realignment.</p>

				<p>Keith and Schnars also provided oversight of the geotechnical work, seepage analyses, and pump station design. The engineering design of the canal, roadway, and pump station was completed to 100% plans and specifications. The engineering design of the impoundment was completed to 30% plans and specifications when the SFWMD determined that the impoundment was not needed to comply with the Everglades Forever Act. Keith and Schnars also led the public involvement effort for the project by coordinating and conducting many public meetings – the project involved extensive coordination with federal, State, local, and private agencies and stakeholders.</p>
Roberto Goncalves	Senior Associate	10	Keith and Schnars	<p>The Acme Basin B Discharge Project is one of the Comprehensive Everglades Restoration Plan (CERP) Acceler8 projects. The \$25 million project involves re-routing stormwater runoff in the Village of Wellington to comply with the Everglades Forever Act. Keith and Schnars led the planning and engineering design of the project. The project involved widening 4 miles of the C-1 canal, realigning a roadway, design of a 220 cfs pump station, design of a 400-acre impoundment, and design of other improvements. Keith and Schnars performed the land survey, wildlife and vegetation survey, contamination</p>

				<p>assessment, land management plan, wetland and landscape design, freeboard and dam breach analyses, engineering design of the canal widening, engineering design of the culverts and gates, engineering design of the impoundment levee, and engineering design of the roadway realignment. Keith and Schnars also provided oversight of the geotechnical work, seepage analyses, and pump station design. The engineering design of the canal, roadway, and pump station was completed to 100% plans and specifications. The engineering design of the impoundment was completed to 30% plans and specifications when the SFWMD determined that the impoundment was not needed to comply with the Everglades Forever Act. Keith and Schnars also led the public involvement effort for the project by coordinating and conducting many public meetings – the project involved extensive coordination with federal, State, local, and private agencies and stakeholders.</p>
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**4. Identify the staff assigned to the project and the scope of work to be performed.**

Staff Name	Years with Company	Scope of Work
Mark Tomczyk	1.5	Point of Contact
John Abbott, P.G.	7	Contamination screening
Kristine Stewart, Ph.D.	10	Ecological Assessment
Joyce Howland	10	Environmental Permitting
Tim Hall	7	Quality control
Frank Vilar	11	Project management / permitting
Roberto Goncalves	9.5	Technical design

**5. Identify your firm's procedures and experience with sediment composition sampling/analysis.**

**Experience**

Sediment sampling and analysis will be led by John Abbott, P.G. Mr. Abbott is a registered Professional Geologist in Florida (PG #2401). He is also a FDEP Certified Stormwater Management Inspector (#25672). Mr. Abbott was responsible for soil, water, and sediment sampling during engineering design of our Acme Basin B Discharge Project in Palm Beach County, which included design of a 400-acre impoundment and improvements to 3 miles of the C-1 Canal. This work was completed for the South Florida Water Management District. Mr. Abbott has also developed and implemented sampling plans at agricultural sites, canals, ranches, ponds, golf courses, drycleaning sites, and gas stations throughout Florida. For example, he evaluated soil, sediment, and water quality for the Indian Trails Grove Development of Regional Impact – a 5,000 acre site in Palm Beach County. Prior to joining Keith and Schnars, Mr. Abbott was the technical lead responsible for the characterization, risk assessment, and remediation of over 30 disposal pits and hazardous debris piles at the Department of Energy's Savannah River Site in Aiken, South Carolina. Sites ranged in complexity from small debris piles to the largest environmental problems in the State. Mr. Abbott determined the nature and extent of contamination. This included identifying data needs, preparing sampling and analysis plans, interpreting the analytical and geotechnical data, and supporting contaminant migration modeling and risk assessments. Mr. Abbott was responsible for managing data uncertainties, identifying and screening remedial technologies, and developing the preferred remedial action.

**Procedures**

To ensure that only viable data are obtained, all technicians and supervisors are trained in the latest field sampling techniques specified by the FDEP in its current SOPs referenced in Chapter 62-160 (Quality Assurance), FAC. While some field parameters will be performed using field equipment, most analyses will be performed by an independent analytical laboratory qualified, certified, and licensed to perform the required testing. Keith and Schnars will develop a Sediment Quality Control Plan that is specific to this project.

All sampling will be done in accordance with Florida Department of Environmental Protection (FDEP) Standard Operating Procedures, specifically FDEP-SOP-001/01, FS 4000 (Sediment Sampling) (March 31, 2008).

Additionally, all sampling procedures and protocols are in accordance with the current FDEP Field Testing (FT series) procedures, the Field Cleaning (FC series) procedures, the Field Decontamination (FD series) procedures, the Field Quality (FQ series) procedures, the Field Planning and Mobilization (FM series) procedures and the Field Sampling (FS series) procedures.

Our team is current with the FDEP and Local Programs to ensure that all applicable procedures/protocols are implemented and utilized for all field sampling/environmental activities. Our team provides training capsules to all personnel (field, staff level & project managers) to ensure that all acceptable procedures/practices are implemented and followed. Our team routinely updates internal training SOPs to meet or exceed the FDEP/standard industry practices and requirements.

For this project, we anticipate most sediment samples to be collected using a piston tube-type sampler to obtain continuous sediment cores ranging from a few inches to several feet long. Sample locations will be obtained using GPS equipment in real time, and data input into a handheld computer. Sediment samples will be tested for organic content and solids content, along with numerous other parameters.

Laboratory testing of sediment samples will determine physical and chemical characteristics for dredging and storage purposes; analysis of dredging technologies to determine the most economical/feasible method to dredge; and waste characterization for disposal purposes.

The appropriateness of compositing sediment samples will depend on the data quality objectives of the project and permission from FDEP. Where appropriate, it is often advantageous to composite sediment samples to minimize the number of samples to be analyzed, and to obtain a representative sample for evaluating offsite disposal options.

**6. Explain your firm's process for environmental assessment, including floral/fauna/native species and monitoring.**

**General Approach to Environmental Assessment**

Keith and Schnars' overall approach to environmental assessment includes the following:

1. Assign experienced staff. Our technical lead for ecological issues will be Dr. Kristine Stewart. Dr. Stewart has a Ph.D. in plant ecology and 30 years of relevant experience. She has extensive experience in Port St. Lucie – she prepared the Endangered Species Biological Assessment and Wetlands Evaluation Report for the Crosstown Parkway Extension over the North Fork of the St. Lucie River. She was also the technical lead on ecological issues for the new I-95 interchanges at Becker Road and Crosstown Parkway.
2. Research existing databases. Before we do our field investigations, we review existing databases such as USFWS' National Wetlands Inventory, FWC's bald eagle nest locator, Florida Natural Areas Inventory, U.S. Department of Agricultural Natural Resources Conservation Service's soil maps, historical and current aerial photographs, U.S. Geological Survey historical topographic maps, and other GIS databases obtained from the Florida Geographic Data Library. We use these data to focus our field work.
3. Research existing permits. We obtain existing permits issued for the area. This guides our permitting strategy. In some cases, the permitting can be expedited, and/or the permit application fees can be reduced, by modifying an existing permit rather than applying for a new permit. Existing permits may also reveal conservation easements or other key considerations for the project.
4. Perform Field Investigation. For this project, this will primarily involve a gopher tortoise survey (discussed below) and a vegetation survey (discussed below).
5. Coordinate with the Agencies. As soon as the key issues are identified from the database research and field work, we coordinate with the relevant agencies (SFWMD, USACE, FWC, FWS) to ensure major issues are identified and planned for early in the design phase. This will include informal correspondence and an early and well-planned pre-application meeting.
6. Apply for Permits. Permit Summary Report
7. Meet with Contractor. On projects that impact gopher tortoises, it is critical to work closely with the contractor. The contractor's erosion control measures usually include silt fence, which can also serve as an exclusion barrier for tortoises during our gopher tortoise relocation. We coordinate with the contractor to ensure the silt fence is properly positioned (to prevent tortoises from re-entering) and constructed (installed 8-inches deep with wrapped ends) to serve both functions. We also establish the monitoring protocol based on the construction schedule, BMPs, and the special conditions of the permits.

## Specific Environmental Issues on this Project

### **Gopher Tortoises**

Our biologists did a reconnaissance on October 19, 2011 and found gopher tortoises, a protected species, in some of the vacant lots along the Kingsway Waterway. There are burrows at the northwest corner of Floresta Drive and Delancey Lane, north of the intersection of Glenwood Drive and Mountwell Street, and south of Essex Drive and West Street. Most burrows are 100 or more feet from the top of the bank and are unlikely to be affected by construction. The minimum protective buffer zone for a gopher tortoise burrow is 25 feet. Although the habitat is generally not favorable for tortoises within 25 feet of the Kingsway Waterway and it is not likely that any burrows will be found within 25 feet of the Kingsway Waterway, construction access points and staging areas could impact tortoise burrows. Our biologists will do a thorough gopher tortoise survey prior to design (to evaluate avoidance options) and again shortly before construction. Within 60 to 90 days of construction (to be valid for permitting, the survey must be done no earlier than 90 days prior construction), our biologists will conduct a survey to determine if any tortoises have moved to within 25 feet of the proposed limits of construction, including potential staging areas. If any burrows are present, we will apply for a permit to relocate the burrows. Any construction within 25 feet of a burrow would require a permit from the Florida Fish and Wildlife Conservation Commission (FWC). If any permit is needed, we anticipate that a "10 or Fewer" permit would suffice because we anticipate five or fewer tortoises (10 burrows or less) and onsite relocation. All gopher tortoise surveys, permitting, and relocation would be done by our own FWC Authorized Gopher Tortoise Agent: Mr. John Abbott (FWC permit GTA-09-00267A). Mr. Abbott has relocated permitted and relocated many gopher tortoises, including those at the interchange of I-95 and Becker Road in Port St. Lucie. We have all necessary equipment, such as burrow video cameras equipped with infrared lights.

### **Plants**

Our biologists did a reconnaissance on October 19, 2011 and found that the vegetation along the canal banks and on the vacant lots (potential staging areas) is typical for disturbed lands. Vacant lots are dominated by Brazilian pepper (*Schinus terebinthifolius*), with localized muscadine (*Muscadinia rotundifolia*), smilax (*Smilax* sp.), saw palmetto (*Serenoa repens*), oaks (*Quercus* sp.), pines (*Pinus* sp.), beautyberry (*Callicarpa* sp.), swamp fern (*Blechnum serrulatum*), and wax myrtle (*Myrica cerifera*). The canal banks are dominated by torpedo grass (*Panicum repens*), Peruvian primrose willow (*Ludwigia peruviana*), leather fern (*Acrostichum danaeifolium*), and landscaping plants installed by residents. Aquatic vegetation is sparse but includes localized water lettuce (*Pistia stratiotes*) and duckweed (*Lemnaceae* sp.). The soils on all vacant lots and the canal banks have evidently been disturbed to the point that there is no substantial habitat for threatened or endangered plants. Our biologists, who have conducted threatened and endangered plant surveys for hundreds of acres of natural habitats along the North Fork of the St. Lucie River (as part of the Crosstown Parkway Extension project), will conduct a thorough survey for threatened and endangered plants in the proposed project area. The surveys will be led by Dr. Kristine Stewart who has a Ph.D. in plant ecology and who prepared the Endangered Species Biological Assessment and Wetlands Evaluation Report for the Crosstown Parkway Extension project. During the surveys, the project area will be qualitatively separated into different habitat types and described using the Florida Land Use Cover Classification System (FLUCCS). In the field, dominant floral species within each habitat type will be identified and recorded. Habitat types will be depicted on a recent aerial photograph of the project area. The list of dominant floral species will be provided in tabular format.

## **Manatees**

We anticipate no involvement with manatees during this project because the control structure at Floresta Drive prevents manatees from entering the Waterway. However, when the USFWS reviews the ERP application, we anticipate that they will request a preconstruction survey for manatees to confirm there are no manatees in the Waterway. Keith and Schnars biologists have completed FWC manatee observer training and can provide the preconstruction survey.

## **Wetlands**

Wetland vegetation exists along the edge of the Waterway. If some of this vegetation is removed, the issue will arise as to whether these areas are considered wetlands and whether mitigation will be required. Although wetland determinations have been assigned in stormwater areas in the past, the current norm is that most SFWMD and USACE reviewers differentiate between the presence of wetland species and wetlands. We would recommend that the fringe of wetland vegetation be viewed as "other surface waters". An ERP would be needed for alteration of the stormwater management system, but mitigation would not be required for impacts to "other surface waters". This position can be strengthened by good planning and design. The SFWMD Basis of Review describes the side slope treatment for detention ponds, including gradual slopes to 1 foot below the water elevation. This design feature would encourage the re-growth of wetland vegetation. Permanent impacts from armored slopes could be offset by improved design of the slopes which can aid in nutrient uptake, oxygenation, and better water quality.

## **7. Detail your firm's experience and staffing capabilities in regards to endangered species evaluation and monitoring.**

### **Staffing**

Endangered species evaluations and monitoring will be done by Kristine Stewart, Ph.D. and John Abbott, P.G. Dr. Stewart has a Ph.D. in plant ecology and 30 years relevant experience, including preparation of the Endangered Species Biological Assessment and Wetlands Evaluation Report for the Crosstown Parkway Extension project. John Abbott, P.G. is an FWC Authorized Gopher Tortoise Agent (FWC permit GTA-09-00267A) and has 15 years experience, including relocation and monitoring of gopher tortoises, bald eagles, burrowing owls, migratory birds, endangered plants, and other species. Dr. Stewart and Mr. Abbott have performed several thousand hours of wildlife monitoring at U.S. Army Corps of Engineers construction sites over the past several years.

### **Experience**

#### **Crosstown Parkway Extension EIS**

Keith and Schnars is leading the Environmental Impact Statement (EIS) to evaluate a new river crossing over the North Fork of the St. Lucie River that will link U.S. Highway 1 and Crosstown Parkway. Dr. Stewart prepared the Endangered Species Biological Assessment, Wetlands Evaluation Report, and the environmental parts of the EIS. She led the habitat mapping, preliminary wetland delineations, and threatened and endangered species surveys of the river and upland communities (approximately 850 acres). Mr. Abbott prepared the Contamination Screening Evaluation Report and is assisting Dr. Stewart in the wetlands and endangered species evaluations.

#### **SFWMD C-1 Canal Improvements**

Keith and Schnars served as the lead design consultant for the Acme Basin B Discharge Project, one of the components of CERP. The project involved converting 362 acres of agricultural land to an impoundment and wetland, widening 3 miles of a canal, and constructing two pump stations. Mr.

Abbott served as Project Manager of the \$2.5 million planning and design phase of the project, overseeing the geotechnical investigation, survey, seepage analysis, engineering design, wildlife and vegetation survey, contamination assessment, and environmental design. Dr. Stewart conducted the wildlife and vegetation surveys, assessed wetland impacts, and contributed to the wetland mitigation planning.

#### **Wildlife Monitoring for Herbert Hoover Dike**

The U.S. Army Corps of Engineers (USACE) is performing a major rehabilitation of the Herbert Hoover Dike around Lake Okeechobee. For the past 3 years, Mr. Abbott and Dr. Stewart have been providing wildlife monitoring services to USACE contractors who have been installing a seepage cutoff wall in two separate 3-mile segments of the dike, and backfilling a 20-acre abandoned quarry. Mr. Abbott prepared the Environmental Protection Plans and provided oversight of a NPDES permit application. Mr. Abbott and Dr. Stewart and conducting biological monitoring for protected species including bald eagles, gopher tortoises, Eastern indigo snakes, burrowing owls, migratory birds, endangered plants such as the Okeechobee gourd, and many other species.

#### **El Rio Canal Environmental Assessments**

Keith and Schnars has designed many miles of a pathway along the El Rio Canal in Boca Raton, and have conducted all associated environmental assessments. Our latest segment is from the L-40 Canal adjacent to the Yamato Scrub Natural Area – a County-managed environmental preserve area. Dr. Stewart led the biological assessment of flora and fauna in this environmentally-sensitive area, and Mr. Abbott surveyed the gopher tortoises and developed the relocation plan.

#### **Becker Road / I-95 Interchange Gopher Tortoise Relocation**

Mr. Abbott led a gopher tortoise relocation project during construction of the new I-95 / Becker Road Interchange. Mr. Abbott conducted the gopher tortoise survey, prepared the FFWCC permit application, developed the mitigation plan, and led the relocation and permit compliance.

8. **Where is your assigned staff's office located for this project and what is your response time to the site for resolution of design issues indentified during construction.**

Fort Lauderdale, 1.25 hours

9. **List past 5 years of litigation history**

We provide below an updated summary of the claims (which we define as a lawsuit filed against us or a demand for arbitration) we have been party to over the course of the past 10 years.

*Scott v. Hubbard Construction Co. (2009)*: This case involved a vehicular accident on a project where we provided C.E.1. Services. The claims against our firm in the case were quickly dismissed after we prevailed on a Motion for Summary Judgment.

*Monroe v. Keith and Schnars (2008)*: This case brought by a former employee involved an allegation regarding overtime pay on which our company prevailed. The claim was dismissed and case resolved to our satisfaction.

*Facchina-Mcgaughan v. Keith and Schnars (2008)*: We provided minor survey services for a General Contractor involved in the Miami Beach New World Symphony Expansion Project located at 1672 Drexel Avenue, Miami Beach, FL 33139. The Contractor's superintendent instructed our surveyors to use a point he

pointed out as a reference to start the project layout, we complied with Contractor's instructions, and the Contractor later drove foundation piles in the wrong location and additional piling to remedy the situation. The Contractor's insurance company paid the Contractor's claim for the cost of the additional piling, but then filed an indemnity claim against us for the Contractor's deductible. We deny negligence.

**10. List number of design projects awarded by City in past 12 months and the total dollar amount.**

One project - \$48,400 in value.

**11. Does your firm accept payment by Credit Card? Yes**

**ADDENDUM ACKNOWLEDGMENT** - Proposer acknowledges that the following addenda have been received and are included in his/her proposal:

Addendum Number	Date Issued
1	10/18
2	10/19

**CERTIFICATION:**

This E-Bid is submitted by: Name (print) Mark Tomczyk who is an officer of the above firm duly authorized to sign proposals and enter into contracts. I certify that this E-Bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to comply with all requirements stated in the specifications for this E-bid, the Terms and Conditions including amendments to Master Contract #20100050.

I agree to abide by all conditions of this E-Bid.:



\_\_\_\_\_  
Signature

Vice President

\_\_\_\_\_  
Title

If a corporation renders this E-Bid, the corporate seal attested by the secretary shall be affixed below. Any agent signing this E-Bid shall attach to this form evidence of legal authority.

**If Corporation:** Keith and Schnars  
(Print Name of Corporation)



By: \_\_\_\_\_  
(President)



Attest: \_\_\_\_\_  
(Secretary)

MEMORANDUM

DATE: October 10, 2011

TO: Department Directors

FROM: Cheryl Shanaberger, Deputy Director OMB

SUBJECT: 20120007 Design & permitting Kingsway Project  
Date Needed by: 10/20/11

Attached for your review are the "draft" documents that have been prepared for the above bid. If you desire any additions, changes, or deletions, please mark where appropriate.

Next, sign, date, and return this form. If there are any changes to the attached documents, OMB will incorporate them into the bid documents.

Thank you.

*City Manager*

\*\*\*\*\*

DEPARTMENT has reviewed standard specifications and standard contract documents and approved:

(With Changes  Without Changes )

*Jerry A Bentz*

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*

LEGAL has reviewed standard specifications and standard contract documents and approved:

(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*

RISK MANAGEMENT has reviewed standard specifications and standard contract documents and approved:

(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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

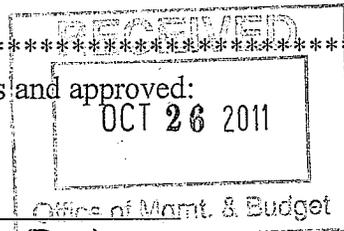
\*\*\*\*\*

FINANCE has reviewed standard specifications and standard contract documents and approved:

(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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



\*\*\*\*\*

OFFICE OF MANAGEMENT AND BUDGET has received and completed all requested changes



OMB Confirmation: \_\_\_\_\_

\_\_\_\_\_  
City Manager's Office  
(Date)

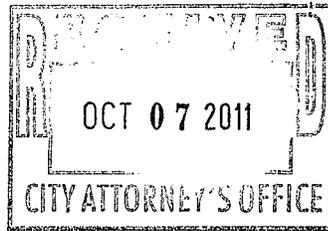
MEMORANDUM

DATE: October 10, 2011

TO: Department Directors

FROM: Cheryl Shanaberger, Deputy Director OMB

SUBJECT: 20120007 Design & permitting Kingsway Project  
Date Needed by: 10/20/11



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Next, sign, date, and return this form. If there are any changes to the attached documents, OMB will incorporate them into the bid documents.

Thank you.

\*\*\*\*\*

DEPARTMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*

LEGAL has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

*[Signature]*  
(Pending Changes Listed)

10-24-11  
(Date)

\*\*\*\*\*

RISK MANAGEMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*

FINANCE has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

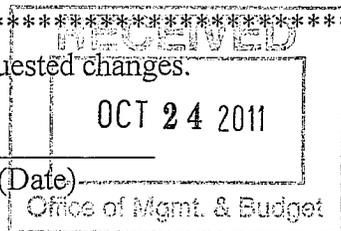
\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*

OFFICE OF MANAGEMENT AND BUDGET has received and completed all requested changes.

OMB Confirmation: \_\_\_\_\_



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

Office of Mgmt. & Budget

MEMORANDUM

DATE: October 10, 2011

TO: Department Directors

FROM: Cheryl Shanaberger, Deputy Director OMB

SUBJECT: 20120007 Design & permitting Kingsway Project  
Date Needed by: 10/20/11

RECEIVED  
OCT 10 2011  
CITY OF FSL  
MEMORANDUM

Attached for your review are the "draft" documents that have been prepared for the above bid. If you desire any additions, changes, or deletions, please mark where appropriate.

Next, sign, date, and return this form. If there are any changes to the attached documents, OMB will incorporate them into the bid documents.

Thank you. *Pat Roebling Eng*  
\*\*\*\*\*

DEPARTMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_ Without Changes )

*Cheryl Shanaberger*  
\_\_\_\_\_  
(Pending Changes Listed) for AR

*10/11/11*  
\_\_\_\_\_  
(Date)

*PR*

\*\*\*\*\*  
LEGAL has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_ Without Changes \_\_\_)

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*  
RISK MANAGEMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_ Without Changes \_\_\_)

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*  
FINANCE has reviewed standard specifications and standard contract documents and approved:  
(With Changes \_\_\_ Without Changes \_\_\_)

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*  
OFFICE OF MANAGEMENT AND BUDGET has received and completed all requested changes.

OMB Confirmation: \_\_\_\_\_

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

RECEIVED  
OCT 10 2011  
Office of Mgmt. & Budget

MEMORANDUM

DATE: October 10, 2011

TO: Department Directors

RECEIVED

FROM: Cheryl Shanaberger, Deputy Director OMB

OCT 10 2011

SUBJECT: 20120007 Design & permitting Kingsway Project

CITY OF PSL  
ENGINEERING

Date Needed by: 10/20/11

Attached for your review are the "draft" documents that have been prepared for the above bid. If you desire any additions, changes, or deletions, please mark where appropriate.

Next, sign, date, and return this form. If there are any changes to the attached documents, OMB will incorporate them into the bid documents.

Thank you.

*Pat Roebling Eng*

\*\*\*\*\*  
DEPARTMENT has reviewed standard specifications and standard contract documents and approved:

(With Changes \_\_\_\_ Without Changes \_\_\_\_)

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*  
LEGAL has reviewed standard specifications and standard contract documents and approved:

(With Changes \_\_\_\_ Without Changes \_\_\_\_)

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*  
RISK MANAGEMENT has reviewed standard specifications and standard contract documents and approved:

(With Changes \_\_\_\_ Without Changes \_\_\_\_)

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*  
FINANCE has reviewed standard specifications and standard contract documents and approved:

(With Changes \_\_\_\_ Without Changes \_\_\_\_)

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*  
OFFICE OF MANAGEMENT AND BUDGET has received and completed all requested changes.

OMB Confirmation: \_\_\_\_\_

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

MEMORANDUM

DATE: October 10, 2011

TO: Department Directors

FROM: Cheryl Shanaberger, Deputy Director OMB

SUBJECT: 20120007 Design & permitting Kingsway Project  
Date Needed by: 10/20/11

Attached for your review are the "draft" documents that have been prepared for the above bid. If you desire any additions, changes, or deletions, please mark where appropriate.

Next, sign, date, and return this form. If there are any changes to the attached documents, OMB will incorporate them into the bid documents.

Thank you.

\*\*\*\*\*

DEPARTMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*

LEGAL has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*

RISK MANAGEMENT has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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

*Renee Magu*  
*New insurance language*

*10-10-11*

\*\*\*\*\*

FINANCE has reviewed standard specifications and standard contract documents and approved:  
(With Changes  Without Changes )

\_\_\_\_\_  
(Pending Changes Listed)

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

\*\*\*\*\*

OFFICE OF MANAGEMENT AND BUDGET has received and completed all requested changes.

OMB Confirmation: \_\_\_\_\_

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

**BID ADDENDUM # 2**  
**BID # 20120007**  
**Addendum Date: October 19, 2012**

**Design & permit Kingsway Waterway**

Page 14, Question #2- Please include a history of similar projects.

Agency	\$	Contact person	Telephone	email
--------	----	----------------	-----------	-------

The dollar amount requested is for your firm consultant fee.

NOTE: The bid opening date is unchanged.

Instructions to Bidder:

Each bidder must acknowledge receipt of any addenda on Page 16 of the Questionnaire in order to have his/her bid or proposal/bid to be accepted.

**BID ADDENDUM # 1**  
**BID # 20120007**  
**Addendum Date: October 18, 2012**

**Design & permit Kingsway Waterway**

NOTE: This request for E-Bid will also include those Engineering firms who hold a Master Contract 20070049 for the Environmental Discipline with the City: BCI Engineering, Civil Design, Enercon, Tetra Tech and Dredging & Marine.

NOTE: The bid opening date is unchanged.

**Instructions to Bidder:**

Each bidder must acknowledge receipt of any addenda on Page 16 of the Questionnaire in order to have his/her bid or proposal/bid to be accepted.



*"A City for All Ages"*

## **CITY OF PORT ST. LUCIE**

**Sealed Electronic Proposal #20120007  
(E-Bid)**

**Design and Permitting of Kingsway Waterway**

Prepared By:  
Cheryl Shanaberger  
Office of Management & Budget  
121 SW Port St. Lucie Boulevard  
Port St. Lucie, FL 34984-5099  
772-871-7390  
cheryls@cityofpsl.com

**NOTE: THIS REQUEST FOR AN E-BID IS ONLY FOR THE FOLLOWING CONSULTANTS WHO HOLD MASTER CONTRACT #20100050 WITH THE CITY:**

American Consulting, Arcadis US Inc., Calvin, Giordano & Associates Inc., Captec Engineering Inc., Creech Engineers Inc., Culpepper & Terpening Inc., Hazen & Sawyer, Infrastructure Eng, Inc., Keith & Schnars P.A., Kimley-Horn & Associates.

**INVITATION TO E-BID**

Sealed Electronic Proposal #20120007 for the design and permitting of the Kingsway Waterway Project will be received by the Office of Management and Budget of the City of Port St. Lucie no later 1:30:00 p.m. on , 2011. Specifications are attached.

All submittals must be received by the date and time specified above, when they will be opened and the names publicly read aloud. The proposal time must be and shall be scrupulously observed. Under no circumstances shall submittals uploaded to Demandstar.com after the time specified be accepted or considered. It is the sole responsibility of the Proposer to ensure that his or her submittal is uploaded on or before the closing date and time. The City shall in no way be responsible for delays caused by any power outages or internet failures. No exceptions will be made.

Electronic replies will be the **only** method allowed for Bidders to respond to this solicitation. All submittals must be compatible with Microsoft Office 2003. E-Bidding will be done through a secure locked box. Bidders can only view/submit their E-Bid and will not have access to any other Bidder's submittals. The Bidder's E-Bid may be changed at the Bidder's discretion until the due date and time have been reached at which time the Bidder will no longer change or have access to the electronic bid submittal. The City will then open the E-Bids. Bidders who are e-bidding for the first time are strongly encouraged to contact Demandstar at (800) 771-1712 or obtain assistance by e-mailing questions to [supplierservices@onvia.com](mailto:supplierservices@onvia.com).

The City of Port St. Lucie reserves the right to reject any and all bids, to waive any and all informalities or irregularities, and to accept or reject all or any part of any bid as it may deem to be in the best interest of the citizens of the City.

All Terms and Conditions of the Master Contract #20100050 and amendments thereof shall apply to the contract issued from this proposal.

For the purpose of this bid, the term Bidder, E-Bidder, Proposer and Consultant may be used interchangeably.

Documents required for this E-Bid:  
Completed Questionnaire

**Submittal of E-Bid** - All proposals shall be submitted by completing and returning the Questionnaire. The Questionnaire should be typed or printed and signed. All submittals are required to be electronic. No hard copies will be accepted.

- A. Request Bid Specifications, #20120007 from Onvia, via phone 800-711-1712 or via internet [www.cityofpsl.com](http://www.cityofpsl.com)
- B. Download the Questionnaire and save to your hard drive, program is in Word 2003 Professional. Enter information requested on the Questionnaire.

- C. Electronically sign the Questionnaire where indicated.
- D. Upload and submit the Questionnaire for E-Bid #201100123 onto Demandstar by the due date and time. Acknowledge all Addenda on the Questionnaire.
- E. Enter Zero on the web page for cost or you will receive an error message and your submittal will be denied.

**\*\* Only electronic replies are required. No hard copies will be accepted. Please try to limit your entire submittal to no more than 5 mb.**

**TENTATIVE SCHEDULE**

It is the intent of the City to have this project completed within a limited time frame. Therefore, priority will be given to firms who recognize and display the ability to work within the restrictions of the following tentative schedule:

Review and Selection Process:

Advertisement with Onvia DemandStar	, 2011
Proposal Due	, 2011 @ 1:30:0 P.M. EST
Evaluation Committee*	, 2011 @ 1 P.M
Q & A*	, 2011 @ 9 A.M.
Tentative City Council Short List Approval	, 2011
Tentative Negotiations	, 2011 @ 9 A.M.
Tentative City Council Contract Approval	, 2011

- \*Committee will meet in the Conference Room (390) in the Office of Management & Budget at 1 pm.
- \* Committee will meet in the Conference Room (390) in the Office of Management & Budget at 9 am.

**EVALUATION AND AWARD**

Responses will be scored in the following manner:

	<u>MAXIMUM SCORE</u>	<u>CRITERION</u>
a) History of similar projects	20	points
b) Assigned Staff Experience with dredging design	20	points
c) Assigned Staff Experience with permitting, soil disposal & budget results	20	points
c) Firm Experience & procedure with sediment sampling/analysis	10	points
d) Process for environmental assessment, monitoring	10	points
e) Experience with endangered species evaluation monitoring	10	points
g) Firm Response Time	5	points
h) Accepts P-card	5	points

**Total Maximum Points      100**

The City's Office of Management & Budget (OMB) reserves the right to request any additional information needed for clarification from any proposer for evaluation purposes.

## The Scope of Work

Item/Description of Work Summary: Engineering design, permitting, survey and bid specifications for a project involving the dredging, drainage facility upgrades, vegetation removal, slope restoration, and sodding of the areas along the Kingsway Waterway within the City owned Drainage Right-of-Way. The engineer shall be required to prepare a complete set of construction plans, including all necessary cross sections and at minimal intervals to satisfactorily contract said work in accordance with City standards. The Kingsway Waterway is identified as follows: ***East Segment***, starting east of Floresta Drive extending east to State waters of the St. Lucie River (Figure 1). ***West Segment***, starting west of Floresta Drive extending to Bayshore Blvd. and including the short finger that ends at Oakridge Drive (Figure 2); The design and permitting will include, but is not limited to, a three phased approach to facilitate design/permitting, bid specification development and bidding. The recommended phasing is as follows:

### ***PHASE I – EAST AND WEST KINGSWAY CANAL ASSESSMENT, DESIGN AND PERMITTING***

Assess conditions that currently exist in both the east and west sections of the Kingsway Canal system to include: hydrographic surveys to establish historical design elevations in the western waterway and required operating depths within the eastern waterway; sediment composition sampling and analysis; water sampling and analysis; slope regrading and stabilization; floral and faunal assessments to establish impacts on native species within the area (if any); and drainage systems discharging into waterways. Provide recommendations for the required repairs/upgrades including the preparation of a long-term Operation and Maintenance Plan for the waterway. Designs will be in accordance with all regulatory requirements. Engineer will assist with seeking qualifying grants throughout the phasing process. Engineer will provide supplemental information as required by state and federal regulatory agencies. The agencies include, but are not limited to, the Florida Department of Environmental Protection (FDEP), South Florida Water Management District (SFWMD), Florida Department of Transportation (FDOT) and the United States Army Corps of Engineers (USACOE).

### ***PHASE II – EAST KINGSWAY CANAL BIDDING ASSISTANCE***

This phase will focus on the eastern section of the Kingsway Canal system only. Engineer will prepare bid specifications in accordance with the permitted waterway designs and or navigational tolerances. Engineer will provide assistance to staff and the City's Office of Management and Budget (OMB) Department as needed throughout the advertising and bidding of the project. This phase will include preparation of bid specifications, attending a pre-bid meeting, addressing any questions from OMB, assistance with questions from staff during contractor selection.

### ***PHASE IIB – WEST KINGSWAY CANAL BIDDING ASSISTANCE***

This phase will focus on the western section of the Kingsway Canal system only. Engineer will prepare bid specifications in accordance with the permitted waterway designs, navigational tolerances, slope regrading and stabilization. Engineer will provide assistance to staff and the City's Office of Management and Budget (OMB) Department as needed throughout the advertising and bidding of the project. This phase will include preparation of bid specifications, attending a pre-bid meeting, addressing any questions from OMB, assistance with questions form staff during contractor selection.

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**SAMPLE  
CITY OF PORT SAINT LUCIE  
CONTRACT #20120007**

This is a Time and Expense CONTRACT, executed this \_\_\_\_\_ day of \_\_\_\_\_, 2011 by and between the CITY OF PORT ST. LUCIE, FLORIDA, a municipal corporation, duly organized under the laws of the State of Florida, hereinafter called "City" party of the first part, , a Florida Corporation, Telephone No.() Fax No. ), hereinafter called "Engineer", party of the second part.

**RECITALS**

In consideration of the below agreements and covenants set forth herein, the parties agree as follows:

**SECTION I  
NOTICES & DESCRIPTION OF SERVICES TO BE PROVIDED**

The scope of work that the Engineer has agreed to perform pursuant to E-bid #20120007 for the design and permitting for the Kingsway Waterway Project. All Terms and Conditions of the Master Contract #20100050 will apply.

**Notices**

All notices or other communications hereunder shall be in writing and shall be deemed duly given if delivered in person, sent by certified mail with return receipt request, email or fax and addressed as follows unless written notice of a change of address is given pursuant to the provisions of this Contract.

Engineer:

City Contract Administrator: Office of Management & Budget  
Att: Cheryl Shanaberger, Deputy Director OMB  
City of Port St. Lucie  
121 SW Port St. Lucie, Blvd.  
Port St. Lucie, FL. 34984  
Telephone 772 871 7390 Fax 772 871 7337  
Email: cheryls@cityofpsl.com

City Project Manager:

**Description of Services**

Item/Description of Work Summary: Engineering design, permitting, survey and bid specifications for a project involving the dredging, drainage facility upgrades, vegetation removal, slope restoration, and sodding of the areas along the Kingsway Waterway within the City owned Drainage Right-of-Way. The engineer shall be required to prepare a complete set of construction plans, including all necessary cross sections and at minimal intervals to satisfactorily contract said work in accordance with City standards. The Kingsway Waterway is identified as follows: East Segment, starting east of Floresta Drive extending east to State waters of the St. Lucie River (Figure 1). West Segment, starting west of Floresta Drive extending to Bayshore Blvd. and including the short finger that ends at Oakridge Drive (Figure 2); The design and permitting will include, but is

not limited to, a three phased approach to facilitate design/permitting, bid specification development and bidding. The recommended phasing is as follows:

***PHASE I – EAST AND WEST KINGSWAY CANAL ASSESSMENT, DESIGN AND PERMITTING***

Assess conditions that currently exist in both the east and west sections of the Kingsway Canal system to include: hydrographic surveys to establish historical design elevations in the western waterway and required operating depths within the eastern waterway; sediment composition sampling and analysis; water sampling and analysis; slope regrading and stabilization; floral and faunal assessments to establish impacts on native species within the area (if any); and drainage systems discharging into waterways. Provide recommendations for the required repairs/upgrades including the preparation of a long-term Operation and Maintenance Plan for the waterway. Designs will be in accordance with all regulatory requirements. Engineer will assist with seeking qualifying grants throughout the phasing process. Engineer will provide supplemental information as required by state and federal regulatory agencies. The agencies include, but are not limited to, the Florida Department of Environmental Protection (FDEP), South Florida Water Management District (SFWMD), Florida Department of Transportation (FDOT) and the United States Army Corps of Engineers (USACOE).

***PHASE II – EAST KINGSWAY CANAL BIDDING ASSISTANCE***

This phase will focus on the eastern section of the Kingsway Canal system only. Engineer will prepare bid specifications in accordance with the permitted waterway designs and or navigational tolerances. Engineer will provide assistance to staff and the City's Office of Management and Budget (OMB) Department as needed throughout the advertising and bidding of the project. This phase will include preparation of bid specifications, attending a pre-bid meeting, addressing any questions from OMB, assistance with questions from staff during contractor selection.

***PHASE IIB – WEST KINGSWAY CANAL BIDDING ASSISTANCE***

This phase will focus on the western section of the Kingsway Canal system only. Engineer will prepare bid specifications in accordance with the permitted waterway designs, navigational tolerances, slope regrading and stabilization. Engineer will provide assistance to staff and the City's Office of Management and Budget (OMB) Department as needed throughout the advertising and bidding of the project. This phase will include preparation of bid specifications, attending a pre-bid meeting, addressing any questions from OMB, assistance with questions form staff during contractor selection.

**SECTION II  
TIME OF PERFORMANCE**

Contract period shall commence \_\_\_\_\_, 2011, and terminate , 201, \_\_\_\_\_, calendar days. In the event all work required in the proposal specifications has not been completed by the specified date, the Engineer agrees to provide work as authorized by the Contract Supervisor until all work specified in the proposal specifications has been rendered.

**SECTION III  
COMPENSATION**

This is a Time and Expense Contract. The total amount to be paid by the City to the Engineer is based on actual time spent on this project with an estimated amount of \$. All Lump Sum Amounts are Not to Exceed amounts. The City will not pay for out-of-pocket expenses (Office & Utilities), subconsultant fees or any reimbursable expense.

The Engineering fees for Preliminary Design 1, Task 1.1 Design Survey:

	Est. hours	Rate	Est. Fee
Senior Project Manager			
Project Surveyor			
Survey Mngr			
CADD Technician			
Survey Field Crew			
Principal Eng			
<b>TOTAL</b>			

Total is a Not to Exceed amount that will be paid at actual time and expense

#### **SECTION IV CONFORMANCE WITH PROPOSAL**

It is understood that the materials and/or work required herein are in accordance with the proposal made by the Engineer pursuant to the Request for Proposal and Specifications on file in the Office of Management and Budget of the City. All documents submitted by the Engineer in relation to said proposal, and all documents promulgated by the City for inviting proposals are, by reference, made a part hereof as if set forth herein in full.

#### **SECTION V INDEMNIFICATION/INSURANCE**

To the extent permitted under Florida Statutes, the Engineer shall indemnify, defend, and hold harmless the City, its representatives, employees and elected and appointed officials, from and against all claims, cause, demands, legal fees, cost of action, losses, damages or other expenses occasioned by any negligent act, conduct, error or omission by the Engineer, or its agents, employees or sub-consultants, in the performance of this Contract. As consideration for this indemnity provision the Engineer shall be paid the sum of ten dollars (\$10.00), which will be paid at execution of Contract.

The Engineer shall, on a primary basis and at its sole expense, agree to maintain in full force and effect at all times during the life of this Contract, insurance coverage, limits, including endorsements, as described herein.

The Engineer shall agree to maintain Workers' Compensation Insurance & Employers' Liability in accordance with Florida Statutes Chapter 440. Coverage must include Employers' Liability with a minimum limit of \$100,000 each.

The Engineer shall agree to maintain Any Auto, Business Automobile Liability at a limit of liability not less than \$500,000 each occurrence for all owned, non-owned and hired automobiles. In the event the Engineer does not own any automobiles the Business Auto Liability requirement shall be amended allowing Engineer to

agree to maintain only Hired & Non-Owned Auto Liability. This amended requirement may be satisfied by way of endorsement to the Commercial General Liability, or separate Business auto Coverage form.

Commercial General Liability for public liability during the lifetime of this Contract shall have minimum limits of \$1,000,000 per occurrence, \$2,000,000 per aggregate, for Personal Injury, Bodily Injury, and Property Damage Liability. Coverage shall include Premises and/or Operations, Independent Contractors, Products and/or Complete Operations, Contractual Liability and Broad Form Property Damage Endorsements. Coverage shall not contain an exclusion or limitation endorsement for Contractual Liability or Cross Liability. All insurance policies shall be issued from a company or companies duly licensed by the State of Florida. All policies shall be on a per project occurrence-made basis; the City shall not accept claims-made policies. Specific endorsements will be requested depending upon the type and scope of work to be performed.

The Engineer shall agree to maintain Professional Liability, or equivalent Errors & Omissions Liability at a limit of liability not less than \$1,000,000 Per Occurrence. When a self-insured retention (SIR) or deductible exceeds \$10,000 the City reserves the right, but not the obligation, to review and request a copy of Engineer's most recent annual report or audited financial statement. For policies written on a "Claims-Made" basis, the Engineer warrants the retroactive date equals or precedes the effective date of this Contract. In the event the policy is canceled, non-renewed, switched to an Occurrence Form, retroactive date advanced, or any other event triggering the right to purchase a Supplemental Extended Reporting Period (SERP) during the life of this Contract, Engineer shall agree to purchase a SERP with a minimum reporting period not less than three (3) years.

Except as to Workers' Compensation and Employers' Liability, said Certificate(s) and Policies shall clearly state that coverage required by the contract has been endorsed to include the City of Port St. Lucie, a political subdivision of the State of Florida, its officers, agents and employees as Additional Insured with a CG 2026-Designated Person or Organization endorsement, or similar endorsement, to its Commercial General Liability and Automobile Liability Policies. The name for the Additional Insured endorsement issued by the insurer shall read "City of Port St. Lucie, political subdivision of the State of Florida, its officers, employees and agents, and Contract #20120007. The Certificate of Insurance and Policy shall unequivocally provide thirty (30) days written notice to the City prior to any adverse changes, cancellation, or non-renewal of coverage thereunder. Said liability insurance must be acceptable by and approved by the City as to form and types of coverage. In the event that the statutory liability of the City is amended during the term of this Contract to exceed the above limits, the Engineer shall be required, upon thirty (30) days written notice by the City, to provide coverage at least equal to the amended statutory limit of liability of the City.

Engineer shall agree by entering into this Contract to a Waiver of Subrogation for each required policy. When required by the insurer, or should a policy condition not permit an Insured to enter into a pre-loss agreement to waive subrogation without an endorsement then Engineer shall agree to notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy where a condition to the policy specifically prohibits such an endorsement, or voids coverage should Engineer enter into such an agreement on a pre-loss basis.

It shall be the responsibility of the Engineer to insure that all subconsultants comply with the same insurance requirements referenced above.

All deductible amounts shall be paid for and be the responsibility of the Engineer for any and all claims under this Contract.

The Engineer may satisfy the minimum limits required above for Commercial General Liability, Business Auto Liability, and Employers' Liability coverage under Umbrella or Excess Liability. The Umbrella or Excess Liability shall have an Aggregate limit not less than the highest "Each Occurrence" limit for Commercial General Liability, Business Auto Liability, or Employers' Liability. When required by the insurer, or when Umbrella or Excess Liability Policy is written on "Non-Follow Form," the City shall be endorsed as an "Additional Insured."

The City, by and through its Risk Management Department, reserves the right, but not the obligation, to review and reject any insurer providing coverage.

## **SECTION VI PROHIBITION AGAINST FILING OR MAINTAINING LIENS AND SUITS**

Subject to the laws of the State of Florida and of the United States, neither Engineer nor any subconsultant, supplier of materials, laborer or other person shall file or maintain any lien for labor or materials delivered in the performance of this Contract against the City. The right to maintain such lien for any or all of the above parties is hereby expressly waived.

## **SECTION VII WORK CHANGES**

The City reserves the right to order work changes in the nature of additions, deletions or modifications without invalidating the Contract, and agrees to make corresponding adjustments in the Contract price and time for completion. All changes will be authorized by a written change order signed by the Director of OMB or his designee as representing the City. Work shall be changed and the contract price and completion time shall be modified only as set out in the written change order. Any adjustment in the contract price resulting in a credit or a charge to the City shall be determined by mutual agreement of the parties.

## **SECTION VIII COMPLIANCE WITH LAWS**

The Engineer shall give all notices required by and shall otherwise comply with all applicable laws, ordinances and codes and shall, at his own expense, secure and pay the fees and charges for all licensing required for the performance of his work. All materials furnished and work done is to comply with all local, state and federal laws and regulations.

## **SECTION IX ADDITIONAL REQUIREMENTS**

In the event of any conflict between the terms and conditions, appearing on any purchase order or work authorization issued relative to this Contract, and those contained in this Contract and the RFP herein referenced, the terms of this Contract and RFP herein referenced shall apply.

## **SECTION X LICENSING**

Engineer warrants that he possesses all licenses and certificates necessary to perform required work and is not in violation of any laws. Engineer warrants that his license and certificates are current and will be maintained throughout the duration of the contract.

## **SECTION XI SAFETY PRECAUTIONS**

Precaution shall be exercised at all times for the protection of persons, including employees, and property. All plans and construction must be ADA compliant. The safety provisions of all applicable laws and building and construction codes shall be observed. The selected Proposer will submit all proposals in compliance with the 28 C.F.R. § 35.151. Where ADA and Florida Building Codes do not agree the most stringent applies or ADA supersedes.

## **SECTION XII ASSIGNMENT**

Engineer shall not delegate or subcontract any part of the work under this Contract or assign any monies due him hereunder without first obtaining the written consent of the City.

## **SECTION XIII TERMINATION**

If the Engineer refuses or fails to prosecute the work with such diligence as will insure its completion within the time specified in this Contract, or as may be modified in accordance with this Contract, the City by written notice to the Engineer, may terminate Engineer's rights to proceed. On such termination, the City may take over the work and prosecute the same to completion, by contract or otherwise, and the Engineer and his sureties shall be liable, jointly and severally to the City for any additional cost incurred by it in its completion of the work.

The City may terminate this Contract with or without cause by giving the Engineer a thirty (30) days notice in writing. Upon delivery of said notice and upon expiration of the thirty (30) day period, the Engineer shall discontinue all services in connection with the performance of this Contract and shall proceed to cancel promptly all related existing third party contracts. Termination of the Contract by the City pursuant to this paragraph shall terminate all of the City's obligations hereunder. In the event of termination, the Engineer will be paid for all services rendered to the date of termination, all expenses subject to reimbursement hereunder.

## **SECTION XIV LAW AND VENUE**

This Contract is to be construed as though made in and to be performed in the State of Florida and is to be governed by the laws of Florida in all respects without reference to the laws of any other state or nation. The venue of any action taken pursuant to this Contract shall be in St. Lucie County, Florida.

## **SECTION XV APPROPRIATION APPROVAL**

The Engineer acknowledges that the City of Port Saint Lucie's performance and obligation to pay under this contract is contingent upon an annual appropriation by the City Council. The Engineer agrees that, in the event such appropriation is not forthcoming, this Contract may be terminated by the City and that no charges, penalties or other costs shall be assessed.

**SECTION XVI  
RENEWAL OPTION**

**Not Applicable**

**SECTION XVII  
ENTIRE AGREEMENT**

The written terms and provisions of this contract shall supersede all prior verbal statements of any official or other representative of the City. Such statements shall not be effective or be construed as entering into, or forming a part of, or altering in any manner whatsoever, this contract or contract documents.

**SECTION XVIII  
TRUTH-IN-NEGOTIATIONS**

In accordance with the provisions of Section 287.055, Florida Statutes, the Engineer agrees to execute a truth-in-negotiations certificate and agrees that the original contract price and any additions may be adjusted to exclude any significant sums by which the contract price was increased due to inaccurate, incomplete or non-current wage rates and other factual unit costs.

**SECTION XIV  
CONFLICT OF INTEREST**

The City hereby acknowledges that the Engineer may be performing professional services for private developers within the Treasure Coast area. Should a conflict of interest arise between providing services to the City and/or other clients, the Engineer shall terminate its relationship with the other client to resolve the conflict of interest. The City Manager shall determine whether a conflict of interest exists. At the time of each Project Proposal the Engineers shall disclose all of their Treasure Coast clients and related Scope of Work.

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**TRUTH-IN-NEGOTIATION CERTIFICATE AND AFFIDAVIT**

STATE OF FLORIDA       §  
COUNTY OF ST. LUCIE   §

Before me, the undersigned authority, personally appeared affiant \_\_\_\_\_  
who being first duly sworn, deposes and says:

1. That the undersigned firm is furnishing this Truth in Negotiation Certificate pursuant to Section 287.055(5)(a) of the Florida Statutes for the undersigned firm to receive an agreement for professional services with the City of Port St. Lucie, St. Lucie County, Florida.

2. That the undersigned firm is a corporation which engages in furnishing professional architect and engineering services and is entering into an agreement with the City of Port St. Lucie, St. Lucie County, Florida to provide professional services for a project known as #20120007, Design and Permitting of Kingsway Waterway.

3. That the undersigned firm has furnished the City of Port St. Lucie, St. Lucie County, Florida a detailed analysis of the cost of the professional services required for the project.

4. That the wage rate information and other factual unit cost, which the undersigned firm furnished, were accurate, complete and current at the time the undersigned firm and the City of Port St. Lucie entered into the agreement for professional services on the project.

5. That the agreement which the undersigned firm and the City of Port St. Lucie entered into on this job contained a provision that the original agreement price and any additions thereto shall be adjusted to include any significant sums by which the City of Port St. Lucie determines the agreement price was increased due to inaccurate, incomplete or non-current wage rates or other factual unit cost and that all such agreement adjustments shall be made within one (1) year following the end of the agreement.

FURTHER AFFIANT SAYETH NAUGHT

\_\_\_\_\_  
Name of Firm  
\_\_\_\_\_  
By:           President

The foregoing instrument was acknowledged before me by \_\_\_\_\_  
who has produced \_\_\_\_\_ as identification or is personally known to me.

WITNESS my hand and official seal in the State of County last aforesaid this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

(SEAL)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Notary Name (typed or printed)

\_\_\_\_\_  
Title or Rank

IN WITNESS WHEREOF, the parties have executed this contract at Port St. Lucie, Florida, the day and year first above written.

CITY OF PORT ST. LUCIE FLORIDA

By: \_\_\_\_\_  
City Manager

ATTEST:  
By: \_\_\_\_\_  
City Clerk

By: \_\_\_\_\_  
Authorized Representative of .)

State of: \_\_\_\_\_

County of: \_\_\_\_\_

Before me personally appeared: \_\_\_\_\_ )  
(please print)

Please check one:

Personally known \_\_\_\_\_

Produced Identification: \_\_\_\_\_  
(type of identification)

Identification No. \_\_\_\_\_

and known to me to be the person described in and who executed the foregoing instrument, and acknowledged to and before me that \_\_\_\_\_ executed said instrument for the purposes therein expressed.  
(s/he)

WITNESS my hand and official seal, this \_\_\_\_\_ day of \_\_\_\_\_, 201.

\_\_\_\_\_  
Notary Signature

Notary Public-State of \_\_\_\_\_ at Large.

My Commission Expires \_\_\_\_\_.  
(seal)

**QUESTIONNAIRE**

**E-Bid #20120007**

**Design and Permitting Kingsway Waterway**

It is understood and agreed that the following information is to be used by the City of Port St. Lucie to determine the qualifications of personnel and firm as presented in this document. The Proposer waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Proposer or the personnel of the Proposer.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Consultant, Surety, bank material or equipment manufacturer or distributor, or any person, firm or corporation to furnish the City of Port St. Lucie any Pertinent information requested by the City deemed necessary to vary the information on this questionnaire.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2011

\_\_\_\_\_  
Name of Organization / Proposer

**(This is a word document please add space as needed.)**

1. Firm's office address, telephone, fax number, e-mail address and contact person for this project

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Please include a history of similar projects.

Agency	\$	Contact person	Telephone	email
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3. Detail of staff experience in dredge design and slope restoration projects, including dredge templates, permitting, spoil disposal (acceptability parameters) and budget results

Staff Name	Title	Years Exp	Company	Project Name & Description	Budget
------------	-------	-----------	---------	----------------------------	--------

( This is a word document add lines as needed)

4. Identify the staff assigned to the project and the scope of work to be performed.

Staff Name	Years with Company	Scope of Work
------------	--------------------	---------------

(This is a word document add lines as needed)

5. Identify your firm's procedures and experience with sediment composition sampling/analysis.

(This is a word document add lines as needed)

6. Explain your firm's process for environmental assessment, including floral/fauna/native species and monitoring.

7. Detail your firm's experience and staffing capabilities in regards to endangered species evaluation and monitoring.

8. Where is your assigned staff's office located for this project and what is your response time to the site for resolution of design issues identified during construction.

9. List past 5 years of litigation history

10. List number of design projects awarded to City in past 12 months and the total dollar amount.

11. Does your firm accept payment by Credit Card? \_\_\_\_\_

**ADDENDUM ACKNOWLEDGMENT** - Proposer acknowledges that the following addenda have been received and are included in his/her proposal:

Addendum Number	Date Issued

**CERTIFICATION:**

This E-Bid is submitted by: Name (print) \_\_\_\_\_ who is an officer of the above firm duly authorized to sign proposals and enter into contracts. I certify that this E-Bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to comply with all requirements stated in the specifications for this E-bid, the Terms and Conditions including amendments to Master Contract #20100050.

I agree to abide by all conditions of this E-Bid.:

\_\_\_\_\_

Signature

Title

If a corporation renders this E-Bid, the corporate seal attested by the secretary shall be affixed below. Any agent signing this E-Bid shall attach to this form evidence of legal authority.

**Witnesses:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**If Partnership:**

\_\_\_\_\_  
 Print Name of Firm

By: \_\_\_\_\_  
 (General Partner)

**If Corporation:**

\_\_\_\_\_  
 Print Name of Corporation

By: \_\_\_\_\_  
 (President)

Attest: \_\_\_\_\_  
 (Secretary)

**If Individual:**

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Print Name

**BID REQUEST / RFP REQUEST**

Department: Engineering Department      Technical Specialist: Larry Nadeau      Extension: 5104

Item/Description of Work Summary: Engineering design, permitting, survey and bidding services for a project involving the dredging, drainage facility upgrades, vegetation removal, slope restoration, and sodding of the areas along the Kingsway Waterway within the City owned Drainage Right-of-Way. The consultant shall be required to prepare a complete set of construction plans, including all necessary cross sections and at minimal intervals to satisfactorily contract said work in accordance with City standards. The Kingsway Waterway is identified as follows: **East Segment**, starting east of Floresta Drive extending east to State waters of the St. Lucie River (Figure 1). **West Segment**, starting west of Floresta Drive extending to Bayshore Blvd. and including the short finger that ends at Oakridge Drive (Figure 2); The design and permitting will include, but is not limited to, a three phased approach to facilitate design/permitting, bid specification development and bidding. The recommended phasing is as follows:

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***PHASE IIB – WEST KINGSWAY CANAL BIDDING ASSISTANCE***

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Location Map Attached: [ X ] Yes [ ] No ( must be submitted electronically in word or excel)

Technical documents must be in word in one file, no logos  
Bid Reply, must be in excel and a separate file, no logos  
Plans may be PDF but must be in one file, dated and numbered consecutively.

Date plans received approval by City Building Department: \_\_\_\_\_

Replacement: [ ] Yes [x] No      Budgeted Amount: \$35,000.00      Any grant funds being used:  
Permitting/design only at this time.

**If not budgeted, authorization from Director of OMB is required.**

Account Number	Fund	Cost Center	Object Code	Project
	401	4126	534000	00000

Reason for purchase or service: Dredging design and permitting complexity.

If digging or trenching is required what is the depth? N/A

If work is in water, what is the depth? N/A    Is the water navigable? N/A

If this is a building, how many stories? N/A

\_\_\_\_\_  
Department Head Approval

\_\_\_\_\_  
Date

Questions, coupled with yours...

1. Firm's office address, telephone, fax number, e-mail address and contact person for this project.
2. Detail of staff experience in dredge design and slope restoration projects, including dredge templates, permitting, spoil disposal (acceptability parameters) and budget results.
3. Identify staff assigned to the project and the scope of work they will perform, please include a history of similar projects.
4. Identify your firm's procedures and experience with sediment composition sampling/analysis.
5. Explain your firm's process for environmental assessment, including floral/fauna/native species and monitoring.
6. Detail your firm's experience and staffing capabilities in regards to endangered species evaluation and monitoring.
7. Where is your assigned staff's office located for this project and what is your response time to the site for resolution of design issues identified during construction.
8. List past 5 years of litigation history.
9. List the number of design projects awarded by the City of Port St. Lucie and St. Lucie County in the past 12 months and the total dollar amount.
10. Does your firm accept payment by Credit Card?