## Agenda Item #: 3-C-9

## PALM BEACH COUNTY **BOARD OF COUNTY COMMISSIONERS**

### AGENDA ITEM SUMMARY

Meeting Date: Department:	October 1, 2013	October 1, 2013 [x] Consent [] Regul [] Workshop [] Public						
Submitted By: Submitted For:	Engineering & Pu Roadway Produc		•	nent				

## I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: supplemental agreement No. 11 (Agreement) to project agreement R2004-0053 in the amount of \$137,709.21 with Metric Engineering, Inc., (MEI) for professional services for the Silver Beach Road from east of Congress Avenue to Old Dixie Highway project (Project).

SUMMARY: Approval of this Agreement will provide the services necessary for the preparation of revised design plans and construction bid documents for the Project. The Small Business Enterprise (SBE) goal for the Project is 15%. The SBE participation committed for this supplement by MEI is 12.35%, with 20.22% SBE participation achieved to date.

#### District 7 (MRE)

Background and Justification: On January 13, 2004, the Board of County Commissioners (Board) approved agreement R2004-0053 with MEI to provide professional services required to prepare design plans and construction bid documents for the Project. Palm Beach County now desires MEI to revise the design plans for the Project, as detailed in Exhibit "A" of the attached Agreement. The fee, as detailed in Exhibit "A" of the attached Agreement, has been negotiated as just and reasonable compensation as follows:

Basic Services (Lump Sum)	\$120,703.21	(Revise Design).
Reimbursable Services (Not to Exceed)	\$ <u>17,006.00</u>	(Survey, Geotechnical).
Total:	\$137,709.21	

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

#### Attachments:

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

3. Project Work Schedule		///
Recommended by: $\sqrt{\pi 4}$	Mir pre	9/3/13
<u>P</u> Di	vision Director	Date
Approved By:	Well	9/9/13
, <u> </u>	ounty Engineer	Date ′

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## II. FISCAL IMPACT ANALYSIS

## A. Five Year Summary of Fiscal Impact:

Fiscal Years Capital Expenditures Operating Costs External Revenues Program Income (County) In-Kind Match (County) NET FISCAL IMPACT # ADDITIONAL FTE POSITIONS (Cumulative)	2014 <u>\$137,710</u> <u>-0-</u> <u>-0-</u> <u>-0-</u> <u>\$137,710</u>	2015     -0- -0- -0-	2016 0- 0- -0- -0- -0- -0-	2017 -0- -0- -0- -0- -0- -0- -0-	2018       
Is Item Included in	Current Bu	udget?	Yes	X No	

Budget Account No: Fund 3501 Dept 361

Unit 0994 Object 6505

Recommended Sources of Funds/Summary of Fiscal Impact: Road Impact Fee Fund - Zone 1

Silver Beach Rd/E of Congress to Old Dixie Hwy

Supplement #11 - Basic Services - Optional Services Supplement Total

\$120,703.21 \$17,006.00 \$137,709.21

anen C. Departmental Fiscal Review:

III. <u>REVIEW COMMENTS</u>

B. Approved as to Form and Legal Sufficiency:

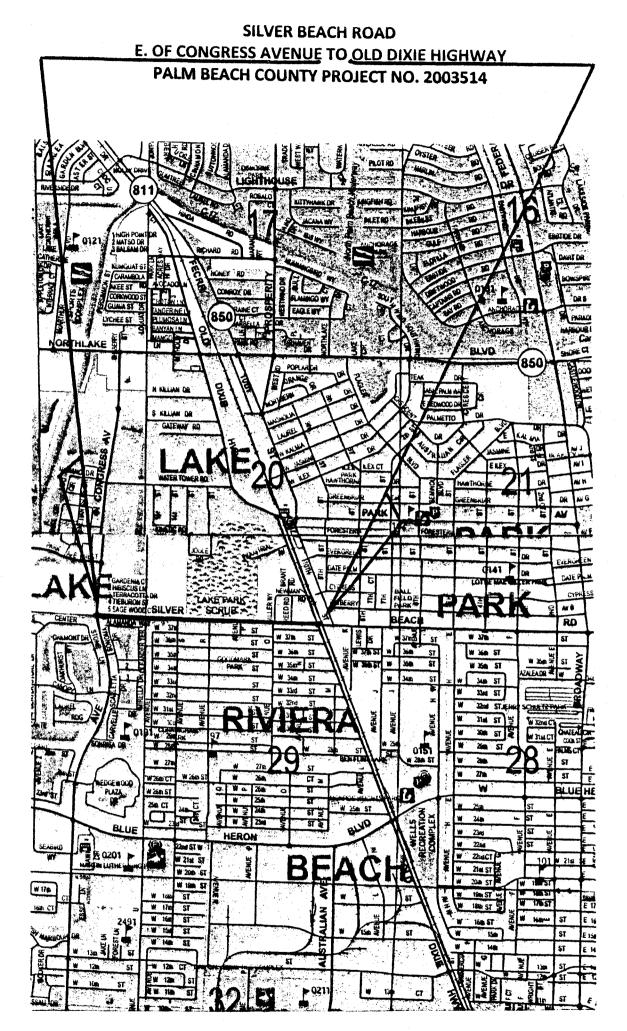
Assistant County Attorney

C. Other Department Review:

Department Director

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

2 F:\COMMON\WP\AGENDAPAGE2\AGNPGTWO2014\00.282 CSA.DOC



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LOCATION SKETCH

**ATTACHMENT 2** 

### SUPPLEMENTAL AGREEMENT BETWEEN

## PALM BEACH COUNTY AND METRIC ENGINEERING, INC.

## FOR PROFESSIONAL ENGINEERING SERVICES ON

## SILVER BEACH ROAD E. OF CONGRESS AVENUE TO OLD DIXIE HIGHWAY

## PROJECT NO.: 2003514 PALM BEACH COUNTY, FLORIDA

THIS SUPPLEMENTAL AGREEMENT No. 11, made and entered into this day of 2013 by and between Palm Beach County, hereinafter COUNTY, and, Metric Engineering, Inc., a Florida Corporation with an address of 13940 S.W. 136 Street, Miami, Florida 33186, hereinafter CONSULTANT.

## <u>WITNESSETH</u>

WHEREAS, the COUNTY and CONSULTANT entered into a Project Agreement dated January 13, 2004 (R2004-0053), to provide professional engineering services for the design of Silver Beach Road from E. of Congress Avenue to Old Dixie Highway, Palm Beach County, Florida (hereinafter PROJECT); and.

WHEREAS, the COUNTY now desires for the CONSULTANT to revise the design plans due to proposed typical section and alignment change for the PROJECT; and

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

## RE: Silver Beach Road from E. of Congress Avenue to Old Dixie Highway *Project No.* 2003514

Basic Services in a lump sum fee of \$120,703.21;

Optional Services (Not to Exceed) \$17,006.00

Totaling \$137,709.21

NOW, THEREFORE, THIS INDENTURE WITNESSETH: That for and in consideration of

the mutual benefits to flow from each to the other, the parties hereto agree as follows:

- 1. The **CONSULTANT** agrees to provide professional services as described in Exhibit "A" of the Agreement known as "SCOPE OF WORK & FEE".
- 2. The **CONSULTANT** agrees to "CERTIFICATION" statements as described in Exhibit "B" of the Agreement.
- 3. The **CONSULTANT** agrees to Small Business Enterprise (SBE) Participation, described in Exhibit "C" of the Agreement.
- 4. The **CONSULTANT** has provided sub-consultants Letter of Intent to perform as an SBE as described in Exhibit "D" of the Authorization.
- 5. The **COUNTY** agrees to pay the **CONSULTANT** a fee of One Hundred Thirty-Seven Thousand Seven Hundred Nine Dollars and Twenty-One Cents (\$137,709.21).

Except as hereby amended, changed or modified, all other terms and conditions of the original Agreement dated **January 13, 2004 (R2004-0053)**, and;

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

RE: Silver Beach Road from E. of Congress Avenue to Old Dixie Highway Project No. 2003514

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

OWNER:

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

BOARD OF COUNTY COMMISSIONERS

BY:

Steven L. Abrams, Mayor

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

BY:\_\_

**Deputy Clerk** 

SEAL

APPROVED AS TO TERMS AND CONDITIONS:

ndy BY:2

APPROVED AS TO FORM & LEGAL SUFFICIENCY:

**County Attorney** 

CONSULTANT:

Metric Engineering, Inc. a Florida Corporation

BY: Roberto A. Linares, P.E. Senior Vice President 0 CORPORATE SEAL

WITNESS: B

rinted Name)

Vicky GARCIA BY:

F:\ROADWAY\CCNA\2003\2003514S\Project\Supp11\Standard Supplemental Agreement.doc

# EXHIBIT "A"

Exhibit "A" – Page 1 of 24

## **SCOPE OF SERVICES**

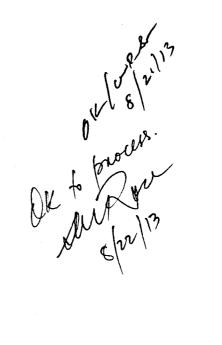
## SILVER BEACH ROAD

From East of Congress Avenue To East of Old Dixie Highway

## Palm Beach County Project No. 2003514



Supplement 11





Prepared by: Metric Engineering, Inc. 13940 SW 136 Street Miami, FL 33186

Exhibit "A" – Page 2 of 24 PBC Project No. 2003514S

## Silver Beach Road Supplement 11

## Exhibit "A"

## Scope of Services

## Supplement 11

#### **Introduction**

Metric Engineering, Inc. proposes to provide additional professional services required in connection with the proposed roadway construction and improvements of Silver Beach Road from Congress Avenue to Old Dixie Highway, a distance of approximately 0.9 miles in Palm Beach County, Florida. Additional services shall include roadway and drainage plans related to the requested changes as well as additional signing and pavement marking analysis and plans. The scope of changes includes the required modifications to be done to the design files and construction documents per the meeting held on March 27, 2013.

These changes are needed to complete the production of final plans per the design changes. The services account for a new submittal of plans for 65%, 96%, 100% and final plans. Metric will provide the Services listed below.

#### A. Basic Services

Roadway, drainage plans, drainage calculations, signing and pavement marking, and signalization components will need to be revised to accommodate new proposed typical section and alignment change. The additional supplement is needed to complete the above mentioned areas of design as related to:

 Changes to the typical section and geometry including profiles, cross sections, side street and driveway profiles. Utilize three (3) lane design from Congress Ave to Old Dixie Highway. Shift alignment to the south to avoid impacts to PBC/ERM property. Remove roundabout at Silver Beach and Avenue S. Provide sidewalk east of Old Dixie Highway along south side of Silver Beach.

Prepared by: Metric Engineering, Inc.

Exhibit "A" – Page 3 of 24 PBC Project No. 2003514S

Silver Beach Road Supplement 11

- Changes to the proposed storm water management system. Remove pond location, enlarge existing pond at approximately station 110+00. Pond design includes evaluation of existing Congress Avenue profile to confirm drainage revisions will not impact roadway. Revise drainage to current SFWMD regulations.
- Changes to the signing and pavement markings as approved on the latest master plan version.

## **B.** <u>Reimbursable Services:</u>

None anticipated at this time.

## C. Optional Services:

- Topographic survey of the area of the proposed pond. Complete scope follows.
- Soil exploration of the area of the proposed pond. Complete scope follows.



Prepared by: Metric Engineering, Inc.

#### ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

NO :	Hours From	Project	Sr. Struct.	Sr. Roadway	Project Eng.	Businest Erro	T	l auff also		T			Estimator	8/21/2013 MS	1	·
Staff Classification	1 011	Manager	Engineer	Eng.	Struct.	Project Eng. Road.	Sr. Cadd	Staff Classi- fication 7	Staff Classi- fication 8	Staff Classi- fication 9	Staff Classi- fication 10	Staff Classi- fication 11	Staff Classi- fication 12	SH	Salary	Average
	Summary- Firm "	\$58.00	h	\$53.67		\$42.00	\$27.81				incation, ro	incation 11	acation 12	By	Cost By	Rate Per
Project General and Project Common Tasks	32	5		¢ \$53.07		16								Activity	Activity	Task
Roadway Analysis	286	29		72	-	10	5						1	32	\$1,413	\$44.16
Roadway Plans	275	14		55		96	42							286	\$12,662	\$44.27
Drainage Analysis	302	30		76		151	110			1				275	\$10,827	\$39.37
Utilities	V			/*		131	45							302	\$13,352	\$44.21
Environmental Permits, Compliance & Clearances				1									1			#DiV/0
Structures - Misc. Tasks, Dwgs, Non-Tech.	1													1		#DIV/0!
). Structures - Bridge Development Report																#DIV/01
Structures - Temporary Bridge														1		#DIV/0!
2. Structures - Short Span Concrete Bridge	1															#DIV/0!
Structures - Medium Span Concrete Bridge	· ·			1 1											1	#DIV/0!
Structures - Structural Steel Bridge					·							1			1	#DIV/0!
Structures - Segmental Concrete Bridge																#DIV/0!
. Structures - Movable Span															1	#DIV/0!
. Structures - Retaining Walls																#DIV/0
Structures - Miscellaneous											1				]	#DIV/0!
Signing & Pavement Marking Analysis	₩¥	4		11		22	7		-		1				1	#DIV/0
. Signing & Pavement Marking Plans	27	2		5		9								44	\$1.933	\$43.93
. Signalization Analysis	$\sim$ "	-					11							27	\$1,064	\$39.42
Signalization Plans								1			1					#DIV/0!
Lighting Analysis		1		· · · [	1			1			i	1	1		1	#DIV/0
Ughting Plans		1	1	1				1	1							#DIV/O
Landscape Architecture Analysis					Í						1	-				#DIV/0!
Landscape Architecture Plans		I				1						1				#DIV/01
Survey (Field & Office Support)	1			1		1				1			1			#DIV/0!
Photogrammetry	1					1	1			1	1					#DIV/0!
Mapping							1		1			1				#DIV/0!
Geotechnical						1		1								#DIV/0!
Architecture Development	1	1			1						1					#DIV/0!
Noise Barriers Impact Design Assessment	1				1		]			1		1	1			#DIV/0
Intelligent Transportation Systems Analysis			1		1				1	1	1	(				#DIV/0
Intelligent Transportation Systems Analysis		1														#DIV/0!
Total Staff Hours	966	V 84		225		437	×							<u></u>		#DIV/0
Total Staff Cost		\$4,704.00		\$12,075.75		43/	220							V 966		
		44,704.00		112,013.75	P	110,354.00	<b>V 3</b> 0,110.20		1					the second division of	\$41,251.95 \$41,251.95	\$42.70
					[5	Survey Field Day	s by Subconsulta	nt		ALARY RELATE	D COSTS:			Check =	\$41,201.95	\$41,251.95
						- Person Crew:				VERHEAD:		1	166,00%			\$68,478.24
									5	Subtotal		`	•			\$109,730.19
	lotes:								0	Operating Margin		$\sim$	10.000%			\$10,973.02
	. I his sheet to	De used by Pr	ime Consullant l	o calculate the G	rand Total fee.							4	-man crew			
:	. Manually ent	er fee from ea	th subconsultant	. Unused subcon	sultant rows ma	y be hidden.			5	Survey (Field - if b	y Prime)		ays @	<b>s</b> .	/ day	
									5	UBTOTAL ESTI	MATED FEE:				```	\$120,703.21
									1	OTAL BASIC SE	RVICES:					\$120,703.21
					•					EMBURSABLE					<ul> <li></li> </ul>	
		~	$\sim -$	-	۱.					ubconsultant: Bi		inc. O	ptional Services			✓ \$6,821.00 <
			• ବ୍ୟମ୍ଭ	26 m	a Mere	L.			-		xspeich and Ass		,			20,02
			1	-	1						erra South Florid		ptional Services			\$10,185.00
									-	OTAL REIMBUR		- •			```	\$17,008.00

8/21/2013

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#### Project Staff Hour Summary

name of t	Consultant:	Metric Engineerin	g, inc.						-		ach Rd fron	n Congress Ave	enue to Old D	ixle Hwy Sup;	olement No 2003
		Project Staff Hours													
Activity No.	Activity	Metric Engineering, Inc.	Sub 1	Sub 2	Sub 3	Sub 4	Sub 5	Sub 6	Sub 7	Sub 8	Sub 9	Sub 10	Sub 11	Sub 12	
3	Project Common and General Tasks	32	1				1			0000	300 8	340 10	Sub 11	Sub 12	Total Ho 32
4	Roadway Analysis	286	1			1.	1				+	+	<u> </u>	<u>+</u>	286
5	Roadway Plans	275				1	1	1	1				f	<u> </u>	275
6	Drainage Analysis	302				1	1	1	1	+				<u> </u>	302
7	Utilities						1		1	+				<u>†</u>	
8	Env. Permits, Compliance & Clearances				1		<b></b>		1	+	1	+		┼───	<u> </u>
9	Structures - Summary, Misc. Tasks, Dwgs.			1			1	1		+	1			+	<u> </u>
10	BDR				1		f	1	· · · · · ·	+	+			<u> </u>	
11	Temporary Bridge					1			1		+			<u> </u>	<u> </u>
12	Short Span Concrete Bridge				-				f						
13	Medium Span Concrete Bridge			1	1		<u> </u>								
14	Structural Steel Bridge			1								<u>├</u>			
15	Segmental Concrete Bridge			1	1			1		<u> </u>	<u> </u>				
16	Movable Span			1	1			1	t		+	┼───┤			
17	Retaining Walls				1		<u> </u>		<u> </u>						
18	Miscellaneous Structures				1			1				<u> </u>			
19	Signing & Pavement Marking Analysis	44		1								<del>  </del>			44
20	Signing & Pavement Marking Plans	27			1							├───┤			27
21	Signalization Analysis			1								<u>├</u>			
22	Signalization Plans		·····												
23	Lighting Analysis		•••••••••••••••••••••••••••••••••••••••		1							<u>├</u>			· · · · · ·
24	.ighting Plans		<u> </u>		1							<u> </u>			
25	andscape Architecture Analysis		·									+			
26 I	andscape Architecture Plans		•••••												
27 5	Survey - Field and Office Support														
28 F	Photogrammetry														
29	Mapping		·····									└─── <b>├</b>			
30 0	Geotechnical														
31 /	Architecture Development														
32	loise Barriers Impact Design Assessment														
	TS Analysis														
34 1	TS Plans														
	Project Total	966			162322		1992 (M	3.574287-0	A States	-04907				ं बहु हुन्हु है	965
27 5	Survey Field Crew Days			an Calandaria	<u>a 2006 - Galan</u> i	100000		an dan san S		4 <u></u>	신도 관람들이 것	nete filosofikeret	an teachtai	1122-222	

Notes: 1. Staff hours for prime consultant come directly from each discipline's worksheet. 2. Staff hours for subconsultants are to be entered manually into columns D through O. 3. For workbooks prepared by subconsultants, their project hours will be totaled in column C.

Fee Estimate.xlsx Summary

6/18/2013

Exhibit "A" – Page 5 of 24

## Project Activity 3: Project Common and Project General Tasks

Estim Updated	ator: d 080818					Silver Beach Rd from Congress Avenue to Old Dixie Hwy Supplement No. 1 2003514
Task No.	( Task	Units	No of Units	Hours/ Unit	Total Hours	
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1			
3.1.2	Notifications	LS	1			
3.1.3	Prepare Mailing Lists	LS	1			
3.1.4	Median Modification Letters	LS	1			
3.1.5	Driveway Modification Letters	LS	1			
3.1.6	Newsletters	LS	1			
3.1.7	Renderings and Fly Throughs	LS	1			
3.1.8	PowerPoint Presentation	LS	1			
3.1.9	Public Meeting Preparations	LS	1			
3.1.10	Public Meeting Attendance/Followup	LS	1			
3.1.11	Meetings with municipalities	LS	1	12	12	2 meetings x 2 people x 3 hours (Lake Park + Riviera Beach)
3.1.12	Web Site	LS	1	1		
	3.1 Public Involvement Su	btotal			<b>√</b> 12	
3.2	Joint Project Agreements	EA				N/A
3.3	Specifications Package Preparation	LS	1			
3.4	Contract Maintenance	LS	1			
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1			N/A
3.6	Submittal review meetings with PBC (65%, 96%, R/W)	LS	1	20	20	2 additional meetings x 5 hours each x 2 people
3.7	Plans Update	LS	1			

Fee Estimate.xlsx 3. Project General Task

6/18/2013

Exhibit "A" – Page 6 of 24

### Project Activity 3: Project Common and Project General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1			
3.9	Electronic Delivery	LS	1			
3.10	Other Project General Tasks	LS	1			
	3. Project Common and Pro	ject Ge	neral Tas	sks Total	<b>∖</b> 32	

#### 3.6 - List of Project Manager Meetings

Roadway Analysis	EA
Drainage	EA
Utilities	EA
Environmental	EA
Structures	EA
Signing & Pavement Marking	EA
Signalization	EA
Lighting	EA
Landscape Architecture	EA
Survey	EA
Photogrammetry	EA
ROW & Mapping	EA
Geotechnical	EA
Architecture	EA
Noise Barriers	EA
ITS Analysis	EA
Other meetings with involved agencies	EA
Progress Meetings	EA
Phase Reviews	EA
Field Reviews	EA

Total Project Manager Meetings

#### Notes:

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.

2. Do not double count agency meetings between permitting agencies.

3. Project manager meetings are calculated in each discipline sheet and brought forward to column D except for Photogrammetry.

Fee Estimate.xlsx

3. Project General Task

Page 4 of 14

Exhibit "A" – Page 7 of 24

## Project Activity 4: Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	8	8	Modifications per final configuration.
4.2	Pavement Design Package	LS	1			
4.3	Access Management	LS	1			
4.4	Horizontal/Vertical Master Design Files	LS	1	120	120	Revise alignment and typical section.
4.5	Cross Section Design Files	LS	1	48	48	Revise cross sections based on new alignment and typical section
4.6	Traffic Control Analysis	LS	1			
4.7	Master TCP Design Files	LS	1			
4.8	Design Variations and Exceptions	LS	1		-	
4.9	Design Report	LS	1			
4.10	Computation Book & Quantities	LS	1	36	36	Updating to latest design.
4.11	Cost Estimate	LS	1	8	8	
4.12	Technical Special Provisions	LS	1			
4.13	Other Roadway Analysis	LS	1			
	Roadway Ana	lysis Te	chnical S	Subtotal	220	

Estimator:

Silver Beach Rd from Congress Avenue to Old Dixie Hwy Supplement No. 11

Exhibit "A" – Page 8 of 24

Fee Estimate.xlsx 4. Roadway Analysis

6/18/2013

#### Project Activity 4: Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.14	Field Reviews	LS	1	54	54	3 reviews x 6 hours x 3 people
4.15	Technical Meetings	LS	1	12	12	1 additional meetings x 6 hours each x 2 people
4.16	Quality Assurance/Quality Control	LS	%			· · · · · · · · · · · · · · · · · · ·
4.17	Independent Peer Review	LS	%			
4.18	Supervision	LS	%			
	Roadway Analysi	s Nonte	chnical	Subtotal	× 66	
4.19	Coordination	LS	%			
	4.	Roadwa	ay Analy	sis Total	¥286	

#### Technical Meetings

Typical Section	EA
Pavement	EA
Access Management	EA
15% Line and Grade	EA
Driveways	EA
Local Governments (cities, counties,	
MPO)	EA
Work Zone Traffic Control	EA
30/60/90/100% Comment Review Meeting:	EA
Other Meetings	EA
Subtotal Technical Meetings	
Progress Meetings (if required by FDOT)	EA
Phase Review Meetings	EA
Total Meetings	

Carries to 4.15

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

Fee Estimate xlsx 4. Roadway Analysis

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Exhibit "A" – Page 9 of 24

## Project Activity 5: Roadway Plans

Estimator:

Silver Beach Rd from Congress Avenue to Old Dixie Hwy Supplement No. 11 2003514

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hou <i>r</i> s	Comments
5.1	Key Sheet		Sheet	1	2	1	2	
5.2	Summary of Pay Items Including Quantity Input		Sheet	1	12	1	12	
5.3	Drainage Map		Sheet	3	4	3	12	
5.4	Interchange Drainage Map		Sheet					
5.5	Typical Section Sheets		Sheet					· · · · · · · · · · · · · · · · · · ·
5.6	General Notes/Pay Item Notes		Sheet	1	4	1	4	Update to latest.
5.7	Summary of Quantities		Sheet	1	12	1	12	Modify per changes.
5.8	Box Culvert Data Sheet		Sheet	1				
5.9	Bridge Hydraulics Recommendation Sheets		Sheet		1			
5.10	Summary of Drainage Structures		Sheet	1	12	1	12	and an
5.11	Optional Pipe/Culvert Material		Sheet					
5.12	Project Layout		Sheet					
5.13	Plan/Profile Sheet		Sheet	13	6	13	78	Modifications to latest plan and profiles.
5.14	Profile Sheet		Sheet					

Exhibit "A" – Page 10 of 24

Fee Estimate xlsx 5. Roadway Plans

Page 7 of 14

6/18/2013

## Project Activity 5: Roadway Plans

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
5.15	Plan Sheet		Sheet					
5.16	Special Profile		Sheet					
5.17	Back of Sidewalk Profile Sheet		Sheet				ha	
5.18	Interchange Layout Sheet		Sheet					
5.19	Ramp Terminal Details (Plan View)		Sheet					
5.20	Intersection Layout Details		LS	1	10	1	10	Silver Beach and Ave S
5.21	Miscellaneous Detail Sheets		Sheet					
5.22	Drainage Structure Sheet (Per Structure)	-	EA	47	1.5			Revise dr str location and system due to change in typical section, alignment and pond location.
5.23	Miscellaneous Drainage Detail Sheets		Sheet	1	6	1	6	New bleeder connecttion
5.24	Lateral Ditch Plan/Profile		Sheet					
5.25	Lateral Ditch Cross Sections		EA					
5.26	Retention/Detention Ponds Detail Sheet		Sheet	1	24	1	24	
5.27	Retention Pond Cross Sections	·	EA	10	1.5		15	
5.28	Cross-Section Pattern Sheet		Sheet					
5.29	Roadway Soil Survey Sheet		Sheet					
5.30	Cross Sections		EA	56	0.3			Revise Silver Beach xs due to change in alignment and typical section
5.31	Traffic Control Plan Sheets		Sheet					
5.32	Traffic Control Cross Section Sheets		EA				-	
5.33	Traffic Control Detail Sheets		Sheet					
5.34	Utility Adjustment Sheets		Sheet					

Fee Estimate.xlsx 5. Roadway Plans

6/18/2013

## Project Activity 5: Roadway Plans

Task No.	Task	I Scale I Units I		s No. of Hours/ Units Unit	No. of Sheets	Total Hours	Comments	
5.35	Selective Clearing and Grubbing		Sheet					
5.36	Erosion Control Plan		Sheet		-		1	
5.37	SWPPP		Sheet				1	
5.38	Project Control Network Sheet		Sheet					
5.39	Environmental Detail Sheets		LS					
5.40	Utility Verification Sheet (SUE Data)		Sheet					
		Roadwa	y Plans 1	<b>Fechnical</b>	Subtotal	24	× 275	
5.41	Quality Assurance/Quality Control	ΙΙΙ	LS	%		<u> </u>		
5.42	Supervision		LS	%				
			5. Ro	adway Pla	ans Total	24	¥ 275	

Exhibit "A" – Page 12 of 24

Fee Estimate.xlsx 5. Roadway Plans

Page 9 of 14

6/18/2013

## Project Activity 6: Drainage Analysis

Estimator:

Silver Beach Rd from Congress Avenue to Old Dixie Hwy Supplement No. 11 2003514

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6.1	Determine Base Clearance Water Elevation	Per Location		1		
6.2	Pond Siting Analysis and Report	Per Basin				
6.3	Design of Cross Drains	EA	1			
6.4	Design of Roadway Ditches	LS	1	32	32	Existing Silver Beach Frontage Road
6.5	Design of Outfalls	EA	2	20	40	Due to new pond location
6.6	Design of Stormwater Management Facility (Offsite Pond)	LS				Due to new pond location, size pond, check against Congress Ave roadway elevations
6.7	Design of Stormwater Management Facility (Roadside Ditch as Linear Pond or Infield Pond)	Per System	1	64	80	Due to new pond location, size pond, check against Congress Ave roadway elevations
6.8	Design of Flood Plain Compensation Area	Per Encroachment				
6.9	Design of Storm Drains	EA	47	2.5		Structures to be modified per drainage modifications and change in typical section and alignment.
6.10	Optional Culvert Material	LS				
6.11	Analysis/Design of Drainage	Per 1000 Feet of French Drain				· · · · · · · · · · · · · · · · · · ·
6.12	Drainage Wells	EA				
6.13	Drainage Design Documentation Report	LS	1	32		Revise report due to change in pond location, typical section and alignment
6.14	Bridge Hydraulic Report	EA				
6.15	Temporary Drainage Analysis	LS				
6.16	Cost Estimate	LS				
6.17	Technical Special Provisions	LS				

Fee Estimate.xlsx 6. Drainage Analysis

6/18/2013

Exhibit "A" – Page 13 of 24

## Project Activity 6: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6.18	Other Drainage Analysis	LS	1			
		Drainage Analysis	Technical	Subtotal	302	
6.19	Field Reviews	LS				
6.20	Technical Meetings	LS				
6.21	Quality Assurance/Quality Control	LS	%			
6.22	Independent Peer Review	LS	%			
6.23	Supervision	LS	%			
	D	rainage Analysis Nor	ntechnical	Subtotal		
6.24	Coordination	LS	%			
		6. Drain	age Analy	sis Total	¥ 302	

Technical Meetings

Base Clearance Water Elevation	EA
Pond Siting	EA
Agency	EA
Local Governments (cities, counties)	EA
FDOT Drainage	EA
Other Meetings	EA
Subtotal Technical Meetings	
Progress Meetings (if required by FDOT)	EA
Phase Review Meetings	EA
-	
Total Meetings	
	Carries to 6.20

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

Fee Estimate.xlsx 6. Drainage Analysis

6/18/2013

Exhibit "A" - Page 14 of 24

#### Project Activity 19: Signing and Pavement Marking Analysis

Estimator:

2003514 Task No. of Hours/ Total Task Units Comments Units No. Units Hours Traffic Data Analysis LS 19,1 1 No Passing Zone Study LS 19.2 1 Reference and Master Design File LS 19.3 1 32 32 Modify final design per latest modifications. 19.4 Multi-Post Sign Support Calculations EΑ 19.5 Sign Panel Design Analysis EΑ EA 19.6 Sign Lighting/Electrical Calculations 1 19.7 Quantities LS 2 2 1 Computation Book 19.8 LS 1 2 2 Cost Estimate LS 1 2 2 19.9 Technical Special Provisions LS 19.10 1 19.11 Other Signing and Pavement Marking LS 1 × 38 Signing and Pavement Marking Analysis Technical Subtotal 19.12 Field Reviews LS 6 6 1 visit x 1 people x 6 hours for remaining field reviews. 1 Technical Meetings LS 19.13 1 Quality Assurance/Quality Control LS % 19.14 LS % Independent Peer Review 19.15 LS 19.16 Supervision % Signing and Pavement Marking Analysis Nontechnical Subtotal V 6 LS % 19.17 Coordination V 44 19. Signing and Pavement Marking Analysis Total

Silver Beach Rd from Congress Avenue to Old Dixie Hwy Supplement No. 11

Exhibit "A" – Page 15 of 24

Fee Estimate.xlsx 19. Signing & Marking Analysis

6/18/2013

## Project Activity 19: Signing and Pavement Marking Analysis

Technical Meetings	
Sign Panel Design	EA
Queue Length Analysis	EA
Local Governments (cities, counties)	EA
Other Meetings	EA
Subtotal Technical Meetings	
Progress Meetings	EA
Phase Review Meetings	EA

Total Meetings Carries to 19.13

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

Fee Estimate.xlsx 19. Signing & Marking Analysis

Page 13 of 14

6/18/2013

Exhibit "A" - Page 16 of 24

## Project Activity 20: Signing and Pavement Marking Plans

Estimator:

Silver Beach Rd from Congress Avenue to Old Dixie Hwy Supplement No. 11 2003514

20.2 5	n den senain a stade state de la senaine de la constance de la situation de la senaine de la senaine de la sena La s	15 19 44 19 19	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Key Sheet		Sheet	1	1	1	1	
20.3 7	Summary of Pay Items Including CES Input		LS	1				
	Tabulation of Quantities		Sheet	1	6	1	4	Revise and update latest quantities
20.4	General Notes/Pay item Notes		Sheet	1	4	1	2	
20.5 F	Project Layout		Sheet					
20.6 F	Plan Sheet		Sheet	13	1.5	13	20	To update labeling per latest design modifications.
20.7 T	Typical Details		EA					
20.8	Guide Sign Worksheet(s)		EA					
20.9 T	Traffic Monitoring Site		EA					
20.10 C	Cross Sections		EA					
20.11 S	Special Service Point Details		EA					
20.12 S	Special Details		LS	1				
20.13 lr	nterim Standards		LS	1				
	Signing and Pavement Ma	rking Pl	ans Teo	chnical	Subtotal	16	27	
20.14 0	Quality Assurance/Quality Control		LS	%				
20.15 S	Supervision		LS	%		,		

Exhibit "A" I Page 17 of 24

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Fee Estimate.xlsx 20. Signing & Marking Plans

Page 14 of 14

6/18/2013

Exhibit "A" – Page 18 of 24

## BROWN & PHILLIPS, Inc.

August 21, 2013

Mr. Manuel A. Sauleda, P.E. Metric Engineering 13940 SW 136<sup>th</sup> Street, Suite 200 Miami, FL 33186

### Re: Silver Beach Road Supplemental Survey to Enlarge Existing Pond

Dear Manny,

Thank you for the opportunity to provide you with the following services for the subject site. This proposal is based on documentation and information provided by your office. The scope of services is as follows:

#### **SCOPE OF SERVICES**

#### I. CONTROL

Utilizing the survey previously prepared by this office (Project 04-018), we will re-establish horizontal and vertical control. The limits of the survey are shown on Attachment 'B'.

#### II. TOPOGRAPHY

A complete topographic survey will be done at the site tying in all above ground features. This will include but not be limited to buildings, pavement, walks, utilities, trees, lakes, canals and drainage structures.

### III. CROSS SECTIONS

We will obtain elevations on the site on a one hundred (100) foot grid. We will locate sufficient points to give an accurate representation of the lay of the land. No soundings are proposed.

### IV. PARCEL SKETCHES AND LEGAL DESCRIPTIONS

We will prepare a legal description and sketch for the pond parcel. This sketch will be based on record ownership data and record plats provided by Palm Beach County. The sketch will be consistent with the requirements of Palm Beach County and Florida Minimum Technical Standards. We have estimated one (1) parcel for this project at \$450.00.

1860 Old Okeechobee Road • Suite 509 • West Palm Beach, Florida 33409 (561) 615-3988 • Fax (561) 615-3991

M:\PROPOSALS\BY COMPANY/METRIC ENGINEERING\Silver Beach Road Supplement to enlarge existing poind topographic survey dorx

Exhibit "A" - Page 19 of 24

Sauleda August 21, 2013 Page 2

#### IV. CLOSURE

A drawing will be produced which will show all the features located. We propose to provide Metric Engineering with six (6) hard copies and an AutoCAD file in the version requested. Any additional work will be done of an hourly basis as approved by you. We will perform the scope of services for a **lump sum fee of \$6,821.00** (\$6,371.00 for survey and \$450.00 for legal description & sketch), see Attachment A for an hourly breakdown. Please do not hesitate to call me with any sum field to be a service of the second sec questions you might have regarding this proposal. We look forward to working with you on this project.

Sincerely,

Brown & Phillips, Inc.

John E. Phillips III, P.L.S.

Principal

Attachment

JEP/mb

Accepted This \_\_\_\_\_ Day Of \_\_\_\_\_, 2013.

Metric Engineering

By: \_\_\_\_

Print Name:

Exhibit "A" - Page 20 of 24

# PROFESSIONAL SURVEYING SERVICES

ATTACHMENT 'A'

## Silver Beach Road Supplemental Survey to Enlarge Existing Pond

Type of Survey: Topographic Size: 800' x 450' ± Date: August 21, 2013

	TECH	TECH		
3		6	2	Set traverse points - establish boundary lines
4				Establish onsite benchmarks
20		3	1	Locate above ground features including trees
8		6	2	100' cross sections & spot elevation shots - prepare TIN
1				Obtain asbuilt data
	12	3	2	Prepare topographic survey with trees
▶ 36	12	18	√ 7	
\$98.00	<b>≈ \$66.00</b>	\$70.00	\$113.00	······································
\$3,528.00	\$792.00	\$1,260.00	V\$791.00	
	4 20 8 1 1 × 36 × \$98.00	4 20 8 1 12 36 ↓ 12 ¥98.00 ¥\$66.00	4 20 3 8 6 1 12 3 4 1 12 3 4 5 6 1 12 12 18 5 5 5 6 10 5 5 5 5 5 5 5 5 5 5 5 5 5	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

Other Direct Costs:	quantity	unit	cost/unit	total	
Legal Description & Sketch	1	each	\$450.00	\$450.00	
Prints		sheet	\$1.50	\$0.00	
Shipping	cost>	markup	1.20	\$0.00	
Other	<u> </u>			\$0.00	<b>`</b>
Total Other Direct Costs:	10	.744	mith	plies	\$450.00
Subcontractor Costs:				•	
	Utility Locating	Services		\$0.00	
Total Subcontractor Costs:					<u>\$0.00</u>
TOTAL PRICE					\$6.821.00

∖ \$6,821.00

M PROPOSALSUBY COMPANYMETRIC ENGINEERINGISilver Beach Road Supplement to enlarge existing pond topographic survey worksteet



Exhibit "A" – Page 21 of 24

August 16, 2013

Metric Engineering, Inc. 13940 SW 136<sup>th</sup> Street, Suite 200 Miami, FL 33186

Attn: Mr. Manuel A. Sauleda, PE Chief Engineer

### Re: Proposal for Additional Geotechnical Services – Pond Borings Proposed Silver Beach Road from East of Congress Avenue to Old Dixie Highway Palm Beach County, Florida TSF Proposal No.: 1308-341

Dear Manny:

As requested, TIERRA SOUTH FLORIDA, INC. (TSF) is pleased to submit this proposal for the above-referenced project. The proposal is based on a new proposed pond. This proposal includes an outline of our proposed scope of work, an estimate of the total fees, and our anticipated schedule for completion of the work.

## **PROPOSED SCOPE OF WORK**

All work performed by TSF will be in general accordance with Palm Beach County and FDOT standards. We understand the proposed pond is expected to be about 5 acres in size (approximately  $300' \times 650'$ ) and the site is currently wooded. We understand that the proposed pond will be a wet pond and percolation tests are not required.

To explore the subsurface conditions at the proposed pond location we propose to drill a total 10 Standard Penetration Test (SPT) borings to a depth 25 feet below existing grades.

Boring locations will be approximately located in the field by our personnel by measuring distances with a tape from known reference points. Elevations at boring locations can be interpreted from topographic plans if furnished by others.

## Exhibit "A" - Page 22 of 24

2

#### Metric Engineering, Inc. TSF Proposal No. 1308-341

Prior to drilling at the project site, TSF will notify the local utility companies and request that underground utilities be marked. Our experience, however, is that the utility companies will not mark privately owned utilities. Our proposal assumes that private utility lines will be located in the field by others prior to mobilization of the drill rig.

Upon completion of the field exploration, laboratory testing will be performed on selected samples. The study will be summarized in accordance with the FDOT's Soil and Foundation Manual.

A geotechnical engineer will evaluate the results of all drilling and laboratory testing. A report will be issued that contains the exploration data, a discussion of the site and subsurface conditions and a discussion of some construction considerations.

#### ESTIMATED FEES

It is proposed that the fee for the performance of the services outlined above be determined on a unit price basis in accordance with the attached Fee Schedule and that the work be performed pursuant to TSF's General Conditions enclosed herewith and incorporated into this proposal. The estimated fees for the project are attached.

Our estimate covers the work needed to present our findings and recommendations in a formal report. Not included are reviews of drawings, preparation of construction specifications, special conferences and any other work requested after submittal of our report.

## SCHEDULE AND AUTHORIZATION

TSF will proceed with the work after receipt of a signed copy of this proposal. With our present schedule, we can commence work within several days of project approval (weather permitting and permit approval). The fieldwork will take about one week to complete. The written report can be submitted about one week after completion of the field exploration, depending on the extent of the laboratory-testing program. Verbal preliminary recommendations can be made to appropriate parties prior to submittal of the written report.

Exhibit "A" – Page 23 of 24

3

Metric Engineering, Inc. TSF Proposal No. 1308-341

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We at TSF appreciate the opportunity to submit this proposal and look forward to working with you on this project. If you should have any questions concerning our proposal, please contact our office.

Respectfully submitted,

TIERRA SOUTH FLORIDA, INC.

Raj Krishnasamy, P.E. Principal Geotechnical Engineer/President

Attachments: 1. Fee Estimate

	AUTHORIZED BY:	INVOICE TO:
Name:		Firm:
Title:		Name:
Date:		Address:

## Exhibit "A" – Page 24 of 24

Ŀ.	FIELD INVESTIGATION	Unit	# of Units		Unit Price		Total			
	Mobilization of Men and Equipment Truck-Mounted Equipment	Trip	1	\$	∽ 350.00	\$	`∽ 350.00			
	SPT Borings 0 - 50 ft depth	L.F.	250	\$	12.00	\$	∕ > 3,000.00			
	Grout Boreholes 0 - 50 ft depth	L.F.	250	\$	→ 5.50	\$	<b>\</b> 1,375.00			
	Casing Allowance 0 - 50 ft depth	L.F.	0	\$	`≁ 7.00	\$	0.00			
	Borehole Permeability Test	Each	0	\$	↘ 275.00	\$	0.00			
	Site Clearing	Day	2	\$	1200.00	\$	∕∽ 2,400.00			
IJ.	LABORATORY TESTING									
	Visual Examination by Staff Engineer	Hour	2	\$	> 85.00	\$	√ 170.00			
	Natural Moisture Content Tests	Test	4	\$	10.00	\$	<b>\ 40.00</b>			
	Grain-Size Analysis - Full Gradation	Test	8	\$	× 60.00	\$	y 480.00			
	Corrosion Test	Test	0	\$	185.00	\$	0.00			
	Organic Content Tests	Test	4	\$	V 45.00	\$	∕∽ 180.00			
	FIELD ENGINEERING AND TECHNICAL SERVIC Site Recon./Utility & site Clearing Coordination Sr. Engineering Technician	CES Hour	12	\$	√ 65.00	\$	▶ 780.00			
IIIA.	ENGINEERING AND TECHNICAL SERVICES	, loui	12	Ψ	V 00.00	Ψ	• 700.00			
	LIGHTLEHING AND TEOHINGAE SERVICES									
	Principal Engineer	Hour	0	\$	∨ 145.00	\$	0.00			
	Senior Geotechnical Engineer	Hour	2	\$	~ 125.00	\$	∕ 250.00			
	Project Engineer	Hour	8	\$	<ul><li>► 115.00</li></ul>	\$	<b>920.00</b>			
	Draftperson	Hour	4	\$	<b>∖</b> 60.00	\$	× 240.00			
	TOTAL FEE FOR GEOTECHNICAL SERVICES-Pond									

TIERRA SOUTH FLORIDA, INC.

- 2.45 miles per:

# EXHIBIT "B"

Exhibit "B" – Page 1 of 2

### **CERTIFICATION STATEMENTS**

## Project: Silver Beach Road from E. of Congress Avenue to Old Dixie Highway

Project No.: 2003514

Consultant/Annual Consultant: Metric Engineering, Inc.

#### **TRUTH-IN-NEGOTIATION STATEMENT**

By entering into this Agreement, the **CONSULTANT/ANNUAL CONSULTANT** certifies that the wage rates and costs used to determine the lump sum fees contained in herein are accurate, complete and current as of the date of this Agreement.

The said lump sum fees shall be adjusted to exclude any significant sums should the **COUNTY** determine that the lump sum fees were increased due to inaccurate, incomplete or non-current wage rates or due to inaccurate representations of fees paid to outside consultants.

The COUNTY shall exercise its right under this "Certificate" within one year following final payment.

## **PROHIBITION AGAINST CONTINGENT FEES STATEMENT**

By entering into this Agreement the **CONSULTANT/ANNUAL CONSULTANT** warrants that they have not employed or retained any company or person other than a bonafide employee working solely for the **CONSULTANT/ANNUAL CONSULTANT** to solicit or secure this Agreement and that they have not paid or agreed to pay any person, company, corporation, individual or firm other than a bonafide employee working solely for the **CONSULTANT/ANNUAL CONSULTANT**, any fee, commission, percentage, gift or other consideration contingent upon or resulting from the award of making of this agreement.

#### PUBLIC ENTITY CRIMES STATEMENT

As provided in F.S. 287.132-133, by entering this Agreement or performing any work in furtherance hereof, the **CONSULTANT/ANNUAL CONSULTANT** certifies that it, its affiliates, suppliers, sub-contractors and consultants who will perform hereunder, have not been placed on the convicted vendor list maintained by the State of Florida Department of Management Services within the 36 months immediately preceding the date hereof. This notice is required by F.S. 287.133 (3) (a).

#### NON-DISCRIMINATION STATEMENT

The **CONSULTANT/ANNUAL CONSULTANT** warrants and represents that all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, marital status, familial status sexual orientation, gender identity and expression.

Roberto A. Linares, Senior Vice President

F:\ROADWAY\CCNA\2003\2003514S\Project\Supp11\Affidavit.doc

Exhibit "B" – Page 2 of 2

## **CONFLICT OF INTEREST DISCLOSURE FORM**

## Project:Silver Beach Road from E. of Congress Avenue to Old Dixie HighwayProject No.:2003514

CONSULTANT/ANNUAL CONSULTANT represents that it presently has no interest, either direct or indirect, which would or could conflict in any manner with the performance of services for the County, except as follows:

(Attach additional sheets as needed.)

CONSULTANT/ANNUAL CONSULTANT further represents that no person having any interest shall be employed for said performance. By signing below, CONSULTANT/ANNUAL CONSULTANT certifies that the information contained herein is true and correct and constitutes all current potential conflicts of interest which may influence or appear to influence CONSULTANT'S/ANNUAL CONSULTANT'S judgment or quality of services being provided to the County.

CONSULTANT/ANNUAL CONSULTANT shall promptly notify the COUNTY in writing by certified mail of all potential conflicts of interest that may arise in the future through any prospective business association, interest or other circumstance which may influence or appear to influence CONSULTANT'S/ANNUAL CONSULTANT'S judgment or quality of services being provided to the County. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that CONSULTANT/ANNUAL CONSULTANT may undertake and request an opinion of the COUNTY as to whether the association, interest or circumstance would, in the opinion of the COUNTY, constitute an unacceptable conflict of interest if entered into by the CONSULTANT/ANNUAL CONSULTANT.

If, in the sole opinion of the COUNTY, the prospective business association, interest or circumstance of CONSULTANT/ANNUAL CONSULTANT would constitute an unacceptable conflict of interest to the COUNTY, the COUNTY shall so state in the notification and the CONSULTANT/ANNUAL CONSULTANT shall not enter into said association, interest or circumstance.

<b>THIS DISCLOSURE</b> is	submitted by <u>Roberto A. Linares</u> , as
	(Name of Individual)
Senior Vice President	of Metric Engineering Inc.
(Title/Position)	(Firm Name of CONSULTANT/ANNUAL CONSULTANT)

who hereby certifies that the information stated above is true and correct. Further, it is hereby acknowledged that any misrepresentation by the CONSULTANT/ANNUAL CONSULTANT on this Disclosure is considered an unethical business practice and is grounds for sanctions against future County business with the CONSULTANT/ANNUAL CONSULTANT.

<u> 8/23/13</u> (Date) (Signature)

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## EXHIBIT "C"

Palm Beach County Engineering & Public Works Roadway Production

Exhibit "C" – Page 1 of 2

## PARTICIPATION FOR MWBE/SBE CONSULTANTS

## Supplement Number 11 Date

 Project Name:
 Silver Beach Rd. - E. of Congress Ave. to Old Dixie Hwy.
 Project Number:
 2003514S

 Prime Vendor:
 Metric Engineering, Inc.
 Resolution Number:
 2003514S

 Telephone:
 (305) 235-5098
 Resolution Date:
 Contact:
 Department:
 Engineering & Public Works

#### Total Supplement Amount \$137,709.21

Minority	Type of Work		Contract Do	llar Amount	for Sub-Co	nsultant					
Sub-Consultant	Performed	Black	Hispanic	Women	Other	White Male	Pct				
Brown & Phillips, Inc.	e met have tilled for the Foreign of the end of the base and an end of the second second second second second s				T THE CONTRACT OF A DESIGN OF A DESIGN OF A DESIGN OF						
1860 OLD OKEECHOBEE ROAD, SUI	MWBE	0.00	0.00	0.00	0.00		0.0%				
WEST PALM BEACH, FL 33409 (561) 615-3988	SBE	6,821.00	0.00	0.00	0.00	0.00	5.0%				
Tierra South Florida, Inc.	a d'Annound a' ann anns a' fair anns an an anns a' fair an an an an anns an ann an anns anns a		1000 N. 1018 ALAS 10344 N. 1010								
2765 VISTA PKY STE 10	MWBE	0.00	0.00	0.00	0.00		0.0%				
WEST PALM BEACH, FL 33411 (561) 687-8536	SBE	0.00	0.00	0.00	10,185.00	0.00	7.4%				
		A contra c			a a a a sua anti a de su a su	na an a					
	Total MWBE	0.00	0.00	0.00	0.00		0.0%				
	Percentage	0.00%	0.00%	0.00%	0.00%						
	Total SBE	6,821.00	0.00	0.00	10,185.00	0.00	12.3%				
	Percentage	4.95%	0.00%	0.00%	7.40%	0.00%					

#### SCHEDULE 1

#### LIST OF PROPOSED SBE-M/WBE PRIME AND/OR SUBCONTRACTOR PARTICIPATION

PROJECT NAME OR BID NAME: Silver Beach RdE. of Congress Ave. to Old Di	xie Hwy. PROJECT NO. OR E	BID NO.: 2003514
NAME OF PRIME BIDDER: Metric Engineering, Inc	ADDRESS:13940 SW 136 S	St., Suite 200, Miami, FL 33186
CONTACT PERSON: Robert Linares, PE PHONE NO.:	305-235-5098	FAX NO.: 305-251-5894
BID OPENING DATE:	USER DEPARTMENT:	Engineering & Public Works

THIS DOCUMENT IS TO BE COMPLETED BY THE PRIME CONTRACTOR AND SUMBITTED WITH BID PACKET. PLEASE LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SBE -M/WBE SUBCONTRACTORS ON THIS PROJECT. IF THE PRIME IS AN SBE-M/WBE, PLEASE ALSO LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME ON THIS PROJECT.

	(Check one or both <u>M/WBE</u>	n Categories) <u>SBE</u>	Ī	DOLLAR AMOUN	T OR PERCENT	AGE OF WORK	
Name, Address and Phone Number	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Asian)
<ol> <li>Tierra South Florida, Inc.</li> <li>2765 Vista Parkway, Suite 10</li> <li>West Palm Beach, FL 33411</li> <li>(561) 687-8536</li> </ol>	X	×					7.40%
2. Brown & Phillips, Inc. 901 Northpoint Parkway, Suite 305 West Palm Beach, FL 33407 (561) 615-3988	X	x	<u>4.95%</u>				
							·
						<u> </u>	·
lease use additional sheets if necessary)	То	tal	4.95%				7.40%
al Bid Price \$ <u>137,709.21</u>	То	tal SBE-M/WBE Pa	articipation Dollar	Amount or Percenta	ge of Work1	2.35%	

2. Firms may be certified by Palm Beach County as an SBE and/or and M/WBE. If firms are certified as both an SBE and N/WBE, please indicate the dollar amount or percentage under the appropriate category.

3. M/WBE information is being collected for tracking purposes only.

F:\ROADWAY\CCNA\2003\2003514S\Project\Supp11\ComplianceSchedule1.docx

Revised 03/15/2011

## EXHIBIT "D"

#### USDA SCHEUULE Z LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE SUBCONTRACTOR Exhibit "D" - Page 1 of 2

This document must be completed by the SBE-M/WBE Subcontractor and submitted with bid packet. Specify in detail, the particular work items to be performed and the dollar amount and/or percentage for each work item. SBE credit will only be given for items which the SBE-M/WBE Subcontractor is SBE certified to perform. Failure to properly complete Schedule 2 may result in your SBE participation not being counted.

PROJECT NUMBER: \_2003514 \_\_\_\_\_ PROJECT NAME: \_Silver Beach Road from E. of Congress Avenue to Old Dixie Highway

TO: <u>Metric Engineering, Inc.</u>	
(Name of Prime Bidder)	
The undersigned is certified by Palm Beach County as a - (check one or more, as applicable):	
Small Business Enterprise X Minority Business Enterprise X	
Black X Hispanic Women Caucasian Other (Please Specify)	

Date of Palm Beach County Certification: January 28, 2013 to January 27, 2016

The undersigned is prepared to perform the following described work in connection with the above project. Additional Sheets May Be Used As Necessary

Line Item/ Lot No. Item Description	054		Total Price,
Topographic Survey Legal Description & Sketch	1/	<u>LS \$6</u>	it Price Percentage 5,371.00 \$6,371.00 \$450.00 \$450.00
at the following price or percentage 4.95%	(\$6,821.00)		

(Subcontractor's quote)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to subcontract any portion of this job to a certified SBE or a non-SBE subcontractor, please list the name of the subcontractor and the amount below.

Price and/or Percentage \_

(Name of Subcontractor)

The Prime affirms that it will monitor the SBE's listed to ensure the SBE's perform the work with its own forces. The undersigned subcontractor affirms that it has the resources necessary to perform the work listed without subcontracting to non-certified SBE or any other certified SBE subcontractors except as noted above.

The undersigned subcontractor understands that the provision of this form to Prime Bidder does not prevent Subcontractor from providing quotations to other bidders.

	Metric Engineering, Inc.
	Print name of Prime Contractor
By:	TOm
	/ Signature
	Robert Cinares, Se. Vice President
	Print name/title of person executing on behalf

Prime Contractor

Brown & Phillips, Inc. Print name of SBE-M/WBE Subcontractor Inthis Brn Signature

Anthony Brown / CEO Print name/title of person executing on behalf of SBE/M/WBE Subcontractor

Revised 10/11/2011

Date: \_\_\_\_ August 22, 2013

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#### OSBA SCHEDULE 2 LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE SUBCONTRACTOR

Exhibit "D" – Page 2 of 2

This document must be completed by the SBE-M/WBE Subcontractor and submitted with bid packet. Specify in detail, the particular work items to be performed and the dollar amount and/or percentage for each work item. SBE credit will only be given for items which the SBE-M/WBE Subcontractor is SBE certified to perform. Failure to properly complete Schedule 2 may result in your SBE participation not being counted.

## PROJECT NUMBER: \_2003514 \_\_\_\_\_ PROJECT NAME: \_Silver Beach Road from E. of Congress Avenue to Old Dixie Highway

TO: Metric Engineering, Inc.			
(Name of Prime Bidd	er)	·····	
The undersigned is certified by Palm Beach County as a - (che	ck one or more, as appli	cable):	
Small Business Enterprise X Minority Busines	s Enterprise <u>X</u>		
Black Hispanic Women Caucasian 0	Other (Please Specify)	X (Asian)	
Date of Palm Beach County Certification: 2/15/2015		<u> </u>	
The undersigned is prepared to perform the following described wor Necessary	rk in connection with the a	bove project. Addi	tional Sheets May Be Used As
Line Item/			Total Price/
Lot No. Item Description	Qty/Units	Unit Price	Percentage
Field Investigation	· // - · · · ·		\$7125.00
Laboratory Testing			\$870.00
Field Engineering & Technical Services			\$780.00
Engineering & Technical Services		<u></u>	\$1410.00
	· · · · · · · · · · · · · · · · · · ·	· · · ·	
		·······	· · · · · · · · · · · · · · · · · · ·
at the following price or percentage	7.40%		\$10,185.00
(Subcontractor			<u> </u>

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to subcontract any portion of this job to a certified SBE or a non-SBE subcontractor, please list the name of the subcontractor and the amount below.

Price and/or Percentage

(Name of Subcontractor)

8/22/2013

Date:

The Prime affirms that it will monitor the SBE's listed to ensure the SBE's perform the work with its own forces. The undersigned subcontractor affirms that it has the resources necessary to perform the work listed without subcontracting to non-certified SBE or any other certified SBE subcontractors except as noted above.

The undersigned subcontractor understands that the provision of this form to Prime Bidder does not prevent Subcontractor from providing quotations to other bidders.

Metric Engineering, Inc.	
Print name of Prime Cont	ractor
7111 -	
By:	
Signature	
Pohantlinne	en D'IL
LODERT LIATES.	Sp. Vice President
Print name/title of person executiv	ne on hehalf

Print name of SBE-M/WBP Subcontractor	
ву:	
Signature	
Raj Krishnasamy P.E. / President	
Print name/title of person executing on behalf of SBE/M/WBE Subcontractor	-

Tierra South Florida, Inc. A

Revised 10/11/2011

Prime Contractor

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Full Prior Acts       03001/2013       C3001/2014       Ea Claim       1,000,000         ESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, If more space is required)       Aggregate       2,000,000         af: For all projects Metric Engineering has with Palm Beach County Palm       Beach County Palm       Beach County Palm         ach County Board of County Commissioners, a Political Subdivision of the tate of Florida, its officers, Employees and Agents are named as       Siditional insured on the General & Auto liability         ERTIFICATE HOLDER       CANCELLATION       SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE
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2300 N. Jog Road AUTHORIZED REPRESENTATIVE
West Palm Beach, FL 33411-2745
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ACORD 25 (2010/05)

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0	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Aug		Oct N	lov Dec	2014 Jan	Feb M	ar Apr	Мау	Jun	Jul	Aug	Sep	Oct I
		NTP	1 day	Mon 9/16/13	Mon 9/16/13			η					4						
		Develop Phase II (65% Plans)	131 days	Tue 9/17/13	Tue 3/18/14			1		البريين فتستجاه مغيرهم			<b>V</b>						
-	2	Prepare 65% Roadway, S&PM and Signal Plans	100 days	Tue 9/17/13	Mon 2/3/14	1		C C C C C C C C C C C C C C C C C C C	9-04-04 Personal			ካ							
	四) 二)	Meeting to Discuss proposed R/W needs	1 day	Tue 10/29/13	Tue 10/29/13	3\$\$+30 days			— <b>→</b> 1										
			20 days	Wed 10/30/13	Tue 11/26/13	4													
		PBCPW Review ofLegal and Sketches	20 days	Wed 11/27/13	Tue 12/24/13	5													
		Drainage Analysis	45 days	Tue 10/8/13	Mon 12/9/13	3\$\$+15 days		L		ſ		1							
		QA/QC 65% Plans	10 days	Tue 2/4/14	Mon 2/17/14	3						<b>1</b>							
		Submit Phase II plans to PBCPW	1 day	Tue 2/18/14	Tue 2/18/14	8						5							
0		PBCPW Review of 65% Submittal	20 days	Wed 2/19/14	Tue 3/18/14	9				L			1						
1		Permitting/Utilities	131 days	Tue 12/10/13	Tue 6/10/14	7				- <u>1</u>									
2		-	20 days	Tue 12/10/13	Mon 1/6/14	7				and the second se		-							
3	<b>.</b>	-	90 days	Tue 1/7/14	Mon 5/12/14	12					about 2 parties								
1		Utility Pothole Meeting	5 days	Wed 2/12/14	Tue 2/18/14	10FS-25 days						Գ⊯_							
5		Utility Coordination	45 days		Tue 4/22/14							1.100	¥	·· ·					
6		RR Permitting	60 days		Tue 6/10/14	10						-			<b>H</b>				
7		Develop Phase III (96% Plans)	71 days	Wed 3/19/14	Wed 6/25/14								$\downarrow$						
8	<b></b>	Prepare 96% Roadway, S&PM and Signal Plans	40 days	Wed 3/19/14	Tue 5/13/14	10													
9	<b>**</b>	QA/QC 96% Plans	10 days		Tue 5/27/14														
20	<b>9</b>	Submit Phase III plans to PBCPW	1 day	Wed 5/28/14	Wed 5/28/14	19								1					
1	•	PBCPW Review of 96% Submittal	20 days	Thu 5/29/14	Wed 6/25/14	20								¥					
2	•	Develop Phase IV (100% Plans)	46 days	Thu 6/26/14	Thu 8/28/14		-								Ŧ		_		
23	•	Prepare 100% Roadway, S&PM and Signal Plan	20 days	Thu 6/26/14	Wed 7/23/14	21												· .	
24	<b>1</b>	QA/QC 100% Plans	5 days	Thu 7/24/14	Wed 7/30/14	23												1	
25	-	Submit Phase IV plans to PBCPW	1 day	Thu 7/31/14	Thu 7/31/14	24										1	,		
26	•	PBCPW Review of 100% Plans	20 days	Fri 8/1/14	Thu 8/28/14	25													
27		Develop Final Plans	21 days	Fri 8/29/14	Fri 9/26/14												Ţ		
28		Prepare Final Roadway, S&PM and Signal Plans	15 days	Fri 8/29/14	Thu 9/18/14	26											E. I.S.	Ĵ	
29	•	QA/QC Final Plans	5 days	Fri 9/19/14	Thu 9/25/14	28													
30		Submit Final Signed and Sealed Plans	1 day	Fri 9/26/14	Fri 9/26/14	29													
		Task	Proiect	Summary	,	Inactive Miles	tone	<u></u>		Manual S	ummary Ro	llup		Deadline	•	÷	·		
					And a fact of the state	Inactive Sum	nary	▽		Manual S	ummary	-		Progress		-		<u></u>	
oject: Silv ate: Mon 8	er Beach Ro 8/26/13	oad Spint Milestone ◆		Milestone	÷	Manual Task		-101010		Start-only	1	E							
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