Agenda Item #: 3-C-21

PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS AGENDA ITEM SUMMARY

Meeting Date: Aug	ust 15, 2006	[x] []	Consent Workshop	[] []	Regular Public Hearing
Submitted By: Submitted For:	Engineering & Pu Roadway Produc			nent	

Project No. : 2004513

EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Supplemental Agreement No. 1 to Project Agreement (R2004-2323), in the amount of \$139,259.49, with Kimley-Horn and Associates, Inc. (KHA) for professional services.

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Summary: This Supplemental Agreement will provide the services necessary for the preparation of design plan revisions and to provide for additional geotechnical and survey services for Hypoluxo Road from west of Lyons Road to west of Hagen Ranch Road (Project).

District: 3 (PK)

Background and Justification: On November 16, 2004, the Board of County Commissioners (Board) approved an Agreement (R2004-2323) with KHA to provide professional services required to prepare design plans and construction bid documents for the Project. The County now desires KHA to revise the design plans and provide additional geotechnical and survey services for the Project, as detailed in Exhibit "A" of the attached Supplemental Agreement. The Small Business Enterprise (SBE) goal for the Project is 15%. The SBE participation committed for this Project was 18%. KHA has achieved 14.86% for this supplement and KHA's SBE participation to date, including this supplement, is 27.48% overall. The fee, as detailed in Exhibit "A" of the attached Supplemental Agreement, has been negotiated as just and reasonable compensation as follows:

Basic Services (Lump Sum)	\$121,546.99	(Design and survey)
Reimbursable Expenses (Not to Exceed)	\$ 13,712.50	(Geotechnical)
Optional Services (Not to Exceed)	<u>\$ 4,000.00</u>	(Legals and sketches)
Total:	<u>\$139,259.49</u>	

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

Attachments:

- 1. Location Map
- 2. Supplemental Agreement with Exhibits and Certificate of Insurance (2)
- 3. Project Work Schedule

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Recommended by:	24 Cmiles	G Fumanda	7/12/06 Mille
	Division Director	Date	
Approved By:	J. W. J. L.	7/24/06	
J	County Engineer	/ Date	1

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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)	2006 <u>\$200,260</u> 0- < <u>\$200,260</u> > 0- <u>\$-0-</u> \$-0-	2007 0- 0- 0- 0- -0- -0-	2008 0- 0- 0- -0- -0- -0-	2009 -0- -0- -0- -0- -0- -0- -0-	2010 0- 0- 0- 0- 0- 0-
POSITIONS (Cumulative) Is Item Included in Current Budget Acct No.: Fund 350 Progr B. Recommended Sources Road Impact Fee Fund Hypoluxo Rd/W of Lyons)4_Dept.<u>361</u> ram s of Funds/S o - Zone 4	ummary of			

Supplement # 1 - Basic Services \$121,546.99 - Reimbursables \$ 13,712.50 - Optional Services 4,000.00 \$ Consultant Authorization \$139,259.49 Contingency 7,000.51 \$ Staff Costs - Roadway \$ 28,000.00 7,000.00 - ROW \$ - Eng Services \$ 7,000.00 - Traffic \$ 12,000.00 Project Cost \$200,260.00 Funded <<u>\$200,260.00</u>> Fiscal Impact Ś -0-

C. Departmental Fiscal Review: _

III. <u>REVIEW COMMENTS</u>

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

B. Approved as to Form and Legal Sufficiency:

Assistant County Attorney

C. Other Department Review:

Department Director

Contract Dev. and

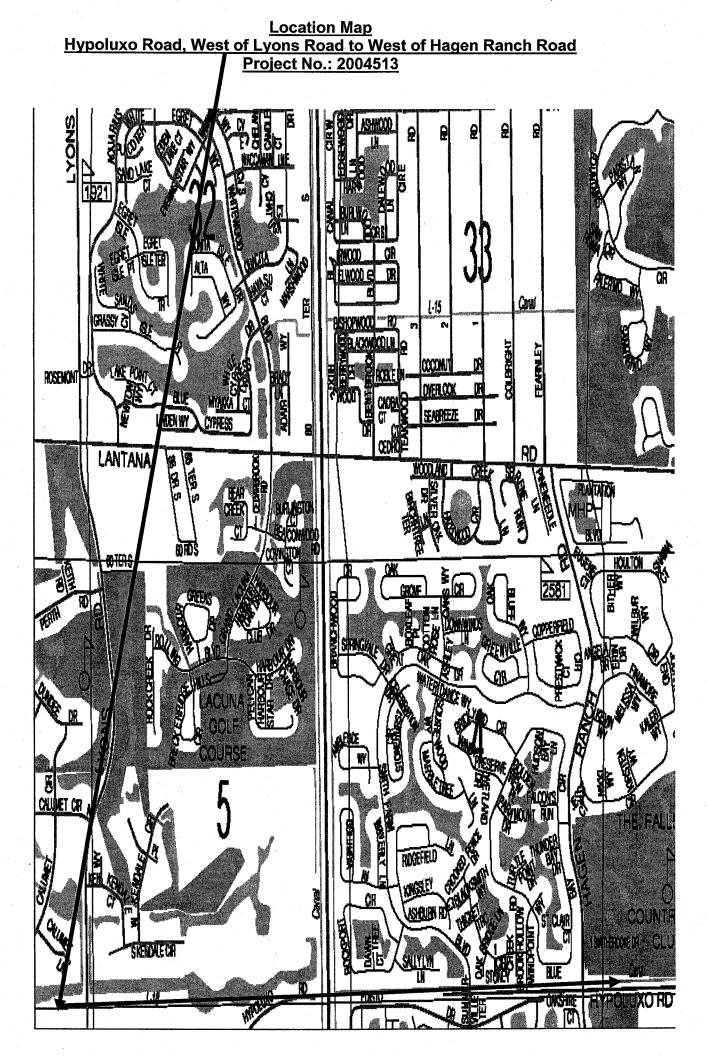
7/12/06

This amendment complies with our review requirements.

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

Attachment 1



ATTACHMENT 2



SUPPLEMENTAL AGREEMENT BETWEEN

PALM BEACH COUNTY AND KIMLEY-HORN AND ASSOCIATES, INC. FOR PROFESSIONAL ENGINEERING SERVICES ON

HYPOLUXO ROAD FROM W. OF LYONS ROAD TO W. OF HAGEN RANCH ROAD PROJECT NO.: 2004513

PALM BEACH COUNTY, FLORIDA

THIS SUPPLEMENTAL AGREEMENT No. 1, made and entered into this day of ______ 2006 by and between Palm Beach County, hereinafter COUNTY, and, Kimley-Horn and Associates, Inc., a Florida Corporation with an address of 5100 N.W. 33rd Avenue, Suite 157, Ft. Lauderdale, Florida 33309, hereinafter CONSULTANT.

WITNESSETH

WHEREAS, the COUNTY and CONSULTANT entered into a Project Agreement dated November 16, 2004 (R2004-2323), to provide professional engineering services for the design of Hypoluxo Road from W. of Lyons Road to W. of Hagen Ranch Road, Palm Beach County, Florida (hereinafter **PROJECT**); and

WHEREAS, the COUNTY now desires for the CONSULTANT to prepare design plan revisions and provide additional geotechnical and survey services for the **PROJECT**; and *RE:* Hypoluxo Road from W. of Lyons Road to W. of Hagen Ranch Road *Project No.* 2004513

WHEREAS, the following fee has been negotiated as just and reasonable compensation for

these professional services to be performed by the CONSULTANT:

Basic Services in a lump sum fee of \$121,546.99; Reimbursable Expense (Not to Exceed) \$13,712.50; Optional Services (Not to Exceed) \$4,000.00 Totaling \$139,259.49

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 a Letter of Intent to perform as an SBE as described in Exhibit "D" of the Agreement.
- 5. The **COUNTY** agrees to pay the **CONSULTANT** a fee of One Hundred Thirty Nine Thousand Two Hundred Fifty Nine Dollars and Forty-Nine Cents (\$139,259.49).
- 6. The **CONSULTANT** agrees to indemnify, defend and hold harmless the **COUNTY** against all claims that may arise as a result of negligence, wrongdoing, misconduct or want of care by the **CONSULTANT**.

Except as hereby amended, changed or modified, all other terms and conditions of the original Agreement dated November 16, 2004 (R2004-2323), and;

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

RE: Hypoluxo Road from W. of Lyons Road to W. of Hagen Ranch Road *Project No.* 2004513

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

OWNER:

CONSULTANT:

a Florida Corporation

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

BOARD OF COUNTY COMMISSIONERS

BY:

Tony Masillotti, Chairman

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

BY:

Deputy Clerk

SEAL

APPROVED AS TO TERMS AND CONDITIONS:

BY: Nh Department Head Division

APPROVED AS TO FORM & LEGAL SUFFICIENCY:

County Attorney

BY: NANDE Senior Vice President Murray D. Thorn NC WITNESS: BY:

Kimley-Horn and Associates, Inc.

(Printed Name)

B

MEGAFFICK DINE L (Printed Name)

Page 3 of 3

EXHIBIT "A"

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HYPOLUXO ROAD WEST OF LYONS ROAD TO WEST OF HAGEN RANCH ROAD SCOPE OF SERVICES SUPPLEMENTAL AGREEMENT NO.1

I. Description

After the 65% phase submittal, the County has requested the following changes / additions to the scope of services which is to be included under this supplemental agreement.

pls process

- 1. Redesign drainage to eliminate stormwater gutter spread in the inside lane of superelevated sections.
- 2. Redo the layout of Lyons Road intersection and the intersection plateau a second time to provide wider median and eliminate striped out sections of the pavement.
- 3. Provide signal design services for the intersection of Smith Farms Boulevard.
- 4. Provide wetland mitigation services.
- 5. Provide additional services for additional meetings and coordination with Lake Worth Drainage District (LWDD) regarding canal right-of-way issues and agreements between the County and LWDD.
- 6. Provide interconnect conduit plans.
- 7. Provide additional geotechnical services.
- 8. Provide 10 additional parcel sketches.
- 9. Change the typical section from flush shoulder to curb and gutter which would provide more opportunities for landscaping.
- 10. Widen the median shoulders adjacent to barrier walls and along the bridge from 2.5' to 4' shoulders.

II. Scope of Service

- 1. The Consultant shall redesign the drainage system to eliminate stormwater gutter spread in the inside lane of superelevated sections. This task includes calculation of spread and placement of drainage structures and paved shoulders as necessary to eliminate gutter spread from the inside lane. Inlets for spread purposes need only be shown in the plan view of the plan and profile sheets. They do not need to be included in the hydraulic analysis of the storm sewer system, nor do they need to be shown in the drainage maps or the profile views. The revisions shall be reflected on the plan, cross section and signing and marking plan sheets.
- 2. The Consultant shall redesign Lyons Road intersection to provide a wider median. This task includes redesign of the horizontal and vertical geometry

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along Hypoluxo Road, revision of the cross sections and signing and marking plans

- 3. The Consultant shall provide signal plans for the Smith Farm intersection
- 4. The consultant shall provide additional permitting services to handle the increased size of the wetland and to include mitigation services and survey services. The mitigation service is based on providing mitigation (credits) within an already approved mitigation site.
- 5. The consultant shall provide additional services for additional meetings with LWDD to coordinate the right-of-way impacts to the canals and the proposed exchange of right-of-way between LWDD and the County.
- 6. The consultant shall provide interconnect conduit and pull box design through out the entire project as requested by the Traffic Division. The information shall be shown in the plan views.
- 7. Provide additional geotechnical services for MSE walls.
- 8. Provide 10 additional parcel sketches for right-of-way or easement acquisition.
- 9. The consultant shall revise the roadway typical section to provide curb and gutter on the outside in lieu of the flush shoulders. This revision shall be reflected on the typical section, plan, cross section and signing and marking sheets through out the entire project.
- 10. The consultant shall redesign to widen the median shoulders adjacent to barrier walls along and near the bridge from 2.5' to 4' shoulders. This revision will include redesign of the horizontal geometry transitions including horizontal transitions and compound curves and revisions to the signing and marking plans. The PGL shall remain unchanged regardless of the new location of the median lane lines. The outside edge of pavement shall remain unchanged and does not have to be parallel to the median. This task does not include any revisions to drainage or to the bridge design.

HYPOLUXO ROAD WEST OF LYONS ROAD TO WEST OF HAGEN RANCH ROAD SUPPLEMENTAL AGREEMENT NO.1

FEE SUMMARY

Tasks 1 through 8

Lump sum \$71,292.71 Geotechnical services (reimbursable) \$13,712.50 Parcel sketches (additional services) \$4,000.00 Subtotal \$89,005.21

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Task 9

Lump sum \$41,771.46 Subtotal \$41,771.46

Task 10 Lump sum \$8,482.82 Subtotal \$8,482.82

Total Fee \$139,259.49

Total fee breakdown: Lump sum \$121,546.99 V Reimbursable \$13,712.50 Additional services \$4,000.00

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			ummary -										•	
PBC Project No.: 2004513											Subconsultant Date Prepared		rn and Associates, Inc. 2006	
Job Description: Hypoluxo Road											Date Prepared From		2000	
SA #1A provide superelvation shoulders/inlets	& Lyons Rd expan	led inters	ection	*							T -			
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			+	-	Hourly Rate		<u> </u>	Hours	<u> </u>			1	Salary Cost By Ad	
	26 \$38.50		\$36.75	52	\$41.70	78	\$31.50	104	\$21.00		\$26.25	260	\$7,810.40	
B. DRAINAGE PLANS & PERMITTING	4 \$38.50		\$36.75	31	\$41.70	:43	\$31.50	46	\$21.00		\$26.25	124	\$3,767.20	
C. SIGNING & MARKING PLANS	1 \$38.50		\$36.75	6	\$41.70	20	\$31.50	13	\$21.00	in a	\$26.25	40	\$1,191.70	
D. SIGNAL PLANS	5 \$38.50		\$36.75	42	\$41.70	66	\$31.50	53	\$21.00	~~	\$26.25	166	\$5,135.90	
E. ENVIRONMENTAL SERVICES	5 \$38.50	64	\$36.75	0	\$41.70	0	\$31.50	16	\$21.00	75	\$26.25	160	\$4,849.25	4
Totals	41 \$1,578.50	64	\$2,352.00	131	\$5,462.70	207	\$6,520.50	232	\$4,872.00	75	\$1,968.75	750	\$22,754.45	4
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Total Burdened Salary C A. ROADWAY PLANS							ontract Fee Co		tions				100 754 45	
B. DRAINAGE PLANS & PERMITTING	\$23,443 \$11,307						ctivity Salary Co rhead Additives						\$22,754.45	
C. SIGNING & MARKING PLANS	\$3,577.	ท่					mbined Adminis	strative a				•		1
D. SIGNAL PLANS E. ENVIRONMENTAL SERVICES	\$15,415.			· ·			& Fringe Be	enefits C	ost (limited to F			168.00%	\$38,227.48	v
E. ENVIRONMENTAL SERVICES	\$14,565. \$68,299.			1.1							7	: ON		
1044	400,200.	•				Subtot	al (Salaries + C	`omhine	d Overhead)	n	nuchip	por	\$60,981.93	./
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Survey - wetland	\$2,99	2.95				2.) Oper	rating Margin C	ost (Fix	ed Fee)		ND	12%	\$7,317.83	× .
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							Brown & Phillip	os (Surv	ey - wetland)				\$2,992.95 \$0.00	
Additional Services													\$0.00	
Parcel sketches (10 @ \$400) - Brown & Phillips	****					TOTAL	LUMP SUM	eee					\$71,292.71	1
Parcel sketches (10 @ \$400) - Brown &Philips	\$4,00	0.00				TUTAL	LUMP SUM	FEE	······					
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Reimbursable				· ·		Geotect	nnical Service (MSE wa	ll) (Tierra)				\$13,712.50	
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Geotechnical Services - Tierra	\$13,7	2.50	•	1							· · ·		\$0.00	
						Reprod	uction						\$0.00	
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Staff Hour Estimate

Kimley-Horn and Associates, Inc.

Date: 3/17/2006 PBC No: 2004513

A. ROADWAY PLANS

	Scale	Basis of Estimate	No. of Units/Sheets	Manhours/ Unit/Sheet	Total Manhours	Comments
ROADWAY PLANS & ANALYSIS						
	:					For superelevation areas, recalculate curb breaks, sta/offset/El. For Lyons Rd intersection, redesign all
1 Horizontal Vertical Geometric Analysis	<u></u>	LS	1	36	36	horizontal transitions.
2 Typical Sections and Notes		SHT	1	8	8	New section with shoulders at superelevated areas
3 Summary of Quantities		SHT			0	
4 Plan Sheets	-	SHT	11	6	66	7 shts for superelevation areas, plus 4 shts for Lyons Rd intersection area
5 Profile Sheets		SHT	2	8	16	
6 Side Road Profiles		SHT	······		. 0	
7 Intersection Layout and Grading	· · ·	SHT	1	24	24	Redo intersection plateau sheet
8 Back of Sidewalk Profiles		SHT			. 0	
9 Miscellaneous Construction Details		LS	*		0	
10 Cross Sections		EA	50	2	100	30 along curve alignment and 20 in the Lyons Rd intersection vicinity
11 Driveway Half-Sections		EA			0	
MISCELLANEOUS TASKS		•				
1 Quantities/Computation Books		LS		· · · ·	0 ·	······································
2 Cost Estimates	- 1	EA			0	
3 Design Documentation		LS	1	4	4	· · · · · · · · · · · · · · · · · · ·
4 Field Reviews		ĒA			0	· · · · · · · · · · · · · · · · · · ·
COORDINATION		•				
1 Coordination with PBC Engineering		LS	1	6	6	
2 Coordinate Access Management with PBC		LS	······································	~~	0	
3 Coordination with Other Agency		LS			0	· · · · · · · · · · · · · · · · · · ·
4 Coordination with Utility Companies		LS	·····	· · ·	0	
5		LS	· · · · · · · · · · · · · · · · · · ·		0	

ROADWAY PHASE TOTAL

260

Staff Hour Estimate

Kimley-Horn and Associates, Inc.

Date: 3/17/2006 PBC No: 2004513

B. DRAINAGE PLANS/DESIGN AND PERMITTING

	Scale	Basis of Estimate	No. of Units/Sheets	Manhours/ Unit/Sheet	Total Manhours	Comments
DRAINAGE ANALYSIS AND DESIGN						
1 Determination of Existing Conditions		LS	с. 		0	
2 Design of Storm Sewers		EA	37	1.5	55.5	37 additional structures in superelevated areas, no need to redo computer run.
3 Spread Analysis		EA	<u> </u>	20	20	37 structures Spread analysis table
4 Analysis of Riverwalk Stormwater System		LS	.	20	0	
5 Design of Special Drainage Systems/Features		LS	······		0	
6 Drainage Design Report/Documentation		LS	1	8	8	Revise drainage report and documentation
7 Field Reviews		LS			0	Notice dramage report and dedamanation
DRAINAGE PLANS						
1 Drainage Map		SHT	1	0	0	Revisions will not be shown in drainage map.
2 Drainage Structure Sheets		EA			0	
3 Summary of Drainage Structures		SHT	2	20	40	for add'l 37 structures
4 Stormwater Detention/Retention Facilities		SHT			0	
5 Stormwater Detention/Retention Facilities Cross Sections		EA			0	
6 Special Drainage Details		SHT			0	
PERMITTING	÷.,			· · · · ·		
1 SFWMD Permit Application & Coordination		LS			0	
			e de la composition d			
						•
2 LWDD Permit		ĻS			0	-
3 PBC ERM Permit Application & Coordination		LS			0	
4 NPBCID Permit Application & Coordination		LS			0	
5 Agency Meetings		LS			0	
6 Prepare Erosion Control Plan and NPDES NOI and NOT		LS			0	
DRAINAGE PLANS/DESIGN AND PERMITTING PH	ASE TOT	AL			124]

Staff Hour Estimate

Kimley-Horn and Associates, Inc.

Date: 3/17/2006 PBC No: 2004513

C. SIGNING AND MARKING PLANS

	Scale	Basis of Estimate	No. of Units/Sheets	Manhours/ Unit/Sheet	Total Manhours	Comments
SIGNING AND MARKING PLANS						
1 Key Sheet	1	SHT			0	
2 General Notes Sheet/Pay Items		SHT			0	
3 Tabulation of Quantities		SHT			0	
4 Plan Sheets		SHT	4	10	40	Redo 4 sheets east & west of Lyons Rd due to layout change
5 Signalized Intersection Special Sign Design		SHT			. 0	
6 Quantities		LS			0	·
7 Cost Estimates	1	LS			0	· · · · · · · · · · · · · · · · · · ·
· · ·						

SIGNING AND MARKING PLANS TOTAL

40

HYPOLUXO ROAD

SA #1A provide superelvation shoulders/inlets & Lyons Rd expanded intersection

Staff Hour Estimate

Kimley-Horn and Associates, Inc.

Date: 3/17/2006 PBC No: 2004513

166

D. SIGNAL PLANS

	Scale	Basis of Estimate	No. of Units/Sheets	Manhours/ Unit/Sheet	Total Manhours	Comments
SIGNAL PLANS						
1 Key Sheet		SHT	•		0	
2 Lyons Rd Signal	:	SHT	1	16	16	Revise Lyons Rd signal due to layout changes
3 Tabulation of Quantities		SHT	· · · 1	8	. 8	
4 Plan Sheets		SHT	1	68	68	New add'l. signal at Smith Farms Blvd.
						Requested by traffic but was not included in original contract. Show on plan-profile
5 Interconnect Plans*		SHT	29	2	58	sheets.
6 Street Name Sign Details		EA	1	4	4	
7 Mast Arm Detail Sheets		EA	0	0	0	e
8 Service Special Point Detail		EA			0	
9 Mast Arm Tabulation Sheets		PI	. 1	6	6	
10 Field Review		EA	1	2	2	
11 Engineering Estimate		EA	1	2	2	
12 Meetings		EA	1	2	2	

SIGNAL PLANS TOTAL

* Was not included in original contract

Staff Hour Estimate

Kimley-Horn and Associates, Inc.

Date: 3/17/2006 PBC No: 2004513

E. ENVIRONMENTAL SERVICES

	Basis of Estimate	No. of Units/Sheets	Manhours/ Unit/Sheet	Total Manhours	Comments
ENVIRONMENTAL SERVICES					
1 LWDD ROW/Easement coord./negotiations	LS	1	80	80	5 mtgs regarding ROW, encroachment, bridge, Board approval. Includes preparation & documentation 5 mtg @ 6 hrs plus drawing colored exhibits of sections of exist & proposed canais and bridge bents for ROW/e'smt negotiations which was not included in original contract
2 Data Collection	LS			0	
3 Increase scope of Wetland*	LS	1	80	80	Original contract was based on a small low quality wetland that is 0.5 acre which would not require mitigation. The wetland area has increased over time and has been determined by the agencies to be 3.2 acres and requires mitigation
4 Agency Verification of Wetlands	LS			0	
5 Wetland Assessment	LS			0	
6 Listed Species Surveys ENVIRONMENTAL PERMITTING	LS			0	
1 ERP Application	LS			0	
2 USACE Section 404 permit	LS			0	
3 Mitigation Plan	LS			0	
4 Mitigation Coordination and Meetings	LS			0	
5 Prepare Biological Assessment and Biological Opinion for USFWS	LS			0	
6 NBCID	LS			0	
7 Tree Removal Permits	LS			0	
		•			
1 Technical Meetings	LS	•		0	· · · · · · · · · · · · · · · · · · ·

ENVIRONMENTAL SERVICES TOTAL

160

ATTACHMENT 'A'

Wetlands Survey at Hypoluxo Road (04-064)

Brown & Phillips, Inc. Project No: Description: Size: 3.7 ac +/-Date of Proposal: September 12, 2005

TASK	3 MAN FIELD	CADD TECH	SURVEY TECH	PLS	COMMENTS
Wetland Locations	20	7	4	2	Wetland survey Cut line
		:			
Total Hours	20	7	4	2	
Rate/Hour	\$108.00	\$59.25	\$59.25	\$90.60	
Sub-total	\$2,160.00	\$414.75	\$237.00	\$181.20	
Total Price			\$2,992.9	<u> </u> 95	

C:33

WINDERY HORNW



March 15, 2006

Kimley-Horn & Associates, Inc. 4431 Embarcadero Drive West Palm Beach, FL. 33407

Attn: Mr. Marwan Mufleh, P.E., Project Manager

Re: Proposal for Geotechnical Services - Additional Borings for MSE Walls Hypoluxo Road From West of Lyons Road to West of Hagen Ranch Road Palm Beach County, Florida Tierra Proposal No.: 0503-109 (revised)

Dear Marwan:

As requested, Tierra, Inc. is pleased to submit this proposal for additional soil borings for MSE Walls in the above-referenced project. The proposal is based on our understanding that about 1000 feet (2000 feet total length) of bridge approach on the east side to the proposed bridge over Turnpike will be supported by MSE walls.

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 Tierra, Inc. will be in general accordance with FDOT standards. A total ten (10) SPT borings will be drilled to a depth of 20 to 40 feet depth with an average depth of about 30 feet below the existing grade. The borings will be spaced at 150 feet interval along the wall alignment. Due to the presence of dense vegetation, some site clearance will be required to access most of the boring locations.

Kimley Horn & Associates, Inc. Tierra Proposal No. 0503-109

Within the borings, undisturbed sample collection will be performed in general accordance with the requirements of ASTM D 1587, respectively. Borings will be approximately located in the field by our personnel by measuring distances with a tape from known reference points. We assume that others will identify any underground utilities existing in the exploratory area. Elevations at boring locations can be interpreted from topographic plans if furnished by others.

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, 2000.

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, recommendations for MSE Wall design, and a discussion of some construction considerations.

ESTIMATED FEES

It is proposed that the fee for the performance of the services outlined above is determined on a unit price basis in accordance with the attached Fee Schedule and that the work be performed pursuant to Tierra's General Conditions enclosed herewith and incorporated into this proposal. On the basis of the proposed quantities, it is estimated that the total fee will be approximately \$13,712.50.

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

Boring, sampling, and testing requirements are a function of the subsurface conditions encountered. Therefore, the estimated fee previously indicated is approximate, and compensation for the exploration will be based on the actual work and tests performed. We will endeavor to keep the exploration cost at a minimum consisting with good engineering practice.

SCHEDULE AND AUTHORIZATION

2

Kimley Horn & Associates, Inc. Tierra Proposal No. 0503-109

Tierra 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 fieldwork will take about 7 days to complete. The written report can be submitted about 4 to 5 weeks 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.

We at Tierra, Inc. 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, INC.

Raj Krishnasamy, P.E.

Vice President

Attachments: 1. Fee Estimate

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

TIERRA, INC. ATTACHMENT 1 - FEE ESTIMATE GEOTECHNICAL SERVICES – MSE WALL HYPOLUXO ROAD PALM BEACH COUNTY, FLORIDA

	UNITS	UNIT RATE	COST
I. FIELD EXPLORATION – MOBILIZATION			
A. Mobilization of Drill Rig and Equipment			
1. Truck Rig			
a. 0 - 50 mile radius	0 Each	\$250.00	\$0.00
b. 50-100 mile radius	0 Each	\$350.00	\$0.00
2. Mud Bug	1 Each	\$600.00	\$600.00
3. Daily Crew Travel (2 Men)	0 Days	\$45.00	\$0.00
4. Per Diem (2-Men Crew)	0 Days	\$100.00	\$0.00
B. Stake Borings, Utilities Clearance, site clearing coordination	16 Hours	\$45.00	\$720.00
C. Flagmen	······································		
1. 1-Man Crew (including Safety Equipment)	0 Days	\$790.00	\$0.00
2. 2-Man Crew	0 Hours	\$45.00	\$0.00
D. Dozer Rental for Site Clearance	1 Day	\$1,000.00	\$1,000.00
IIA. FIELD EXPLORATION - ROADWAY		I	
A. Auger Borings	0 Feet	\$8.00	\$0.00
B. Borehole Permeability Tests (Includes 10 feet deep auger borings)	0 Tests	\$250.00	\$0.00
C. Double Ring Infiltration Test	0 Tests	\$500.00	\$0.00
D. Borehole Logging & Sampling by Sr. Eng. Technician	8 Hours	\$45.00	\$360.00
E. Muck Evaluation/Probes	0 Days	\$850.00	\$0.00
F. Pavement Cores	0 Cores	\$75.00	\$0.00

TIERRA, INC. ATTACHMENT 1 - FEE ESTIMATE GEOTECHNICAL SERVICES – MSE WALL HYPOLUXO ROAD PALM BEACH COUNTY, FLORIDA

	UNITS	UNIT RATE	COST
G. Coring Machine Rental	0 Day	\$200.00	\$0.00
IIA. FIELD EXPLORATION – BRIDGE/WALL/MAST ARMS			
H. Wash Boring (0-50 feet deep) (10 borings to Average depth of 30 feet)	300 Feet	\$11.50	\$3,450.00
I. Wash Boring (50-100 feet deep)	0 Feet	\$14.00	\$0.00
J. Grouting Boreholes (0 – 50 feet)	300 Feet	\$4.50	\$1,350.00
K. Grouting Boreholes (50 – 100 feet)	0 Feet	\$5.50	\$0.00
L. Casing $(0 - 50 \text{ feet})$	200 Feet	\$6.00	\$1,200.00
J. Casing (50 – 100 feet)	0 Feet	\$8.00	\$0.00
III. LABORATORY TESTING		••	
A. Visual Examination/Stratification by Project Eng.	7.5 Hours	\$65.00	\$487.50
B. Laboratory Tests			, <u>, , , , , , , , , , , , , , , , , , </u>
1. Organic Content	5 Each	\$30.00	\$150.00
2. Natural Moisture Content	5 Each	\$10.00	\$50.00
3. Full Sieve Analysis	5 Each	\$60.00	\$300.00
4. #200 Sieve Wash	0 Each	\$25.00	\$0.00
5. Atterberg Limits (includes #200 wash)	0 Each	\$75.00	\$0.00
6. Hydrometer	0 Each	\$109.00	\$0.00
7. Permeability	0 Each	\$240.70	\$0.00

TIERRA, INC. ATTACHMENT 1 - FEE ESTIMATE GEOTECHNICAL SERVICES – MSE WALL HYPOLUXO ROAD PALM BEACH COUNTY, FLORIDA

	UNITS	UNIT RATE	COST
8. Unit Weight	0 Each	\$36.00	\$0.00
9. Specific Gravity	0 Each	\$75.00	\$0.00
10. Corrosion (pH, sulfate, resistivity & chloride)	2 Each	\$185.00	\$370.00
11. Limerock Bearing Ratio (LBR)	0 Each	\$250.00	\$0.00
12. Unconfined Compression	0 Each	\$100.00	\$0.00
13. Split Tensile Strength	0 Each	\$100.00	\$0.00
14. Triaxial Shear Strength (single point)	0 Each	\$306.00	\$0.00
15. Consolidation	0 Each	\$357.00	\$0.00
IV. ENGINEERING AND TECHNICAL SERVICES	· · · · · · · · · · · · · · · · · · ·		
1. Project Manager	2 Hours	\$120.00	\$240.00
2. Senior Project Engineer	10 Hours	\$95.00	\$950.00
3. Project Engineer	25 Hours	\$85.00	\$2,125.00
4. Senior Engineering Technician	0 Hours	\$52.65	\$0.00
5. Engineering Technician I	0 Hours	\$28.19	\$0.00
6. CADD or Engineering Technician II	8 Hours	\$45.00	\$360.00
7. Clerical	0 Hours	\$30.00	\$0.00
TOTAL FEES	· · · ·	<u>.</u>	\$13,712.50

PBC Project No.: 2004513						nate of W				<u>pecu</u>		Date Prepared	: March 17,	rn and Associates, Inc. 2006
Job Description: Hypoluxo Road SA#1B Revise Typical Section; Add C & G on	Outside											From To Length		
	Senior Env. Project Manager Scientist				ingineer	CADD Technician			Env. Scientist					
Work Element / Activity	Man Hours	Hourly Rate	Man		Man	Hourly Rate	Man		Man	Hourly Rate			By Activity	Salary Cost By Activi
ROADWAY PLANS	40	\$38.50		\$36.75	80	\$41.70	119	\$31.50	158	\$21.00		\$26.25	397	\$11,942.50
DRAINAGE PLANS & PERMITTING	1	\$38.50		\$36.75	6	\$41.70	8	\$31.50	9	\$21,00		\$26.25	24	\$729.70
SIGNING & MARKING PLANS	1	\$38.50		\$36.75	6	\$41.70	21	\$31.50	14	\$21.00		\$26.25	42	\$1,244.20
SIGNAL PLANS	0	\$38.50		\$36.75	0	\$41.70	0	\$31.50	0	\$21.00		\$26.25	0	\$0.00
ENVIRONMENTAL SERVICES	0	\$38.50	0	\$36.75	0	\$41.70	0	\$31.50	0	\$21.00	0	\$26.25	0	\$0.00
Totals	42	\$1,617.00	0	\$0.00	92	\$3,836.40	148	\$4,662.00	181	\$3,801.00	0	\$0.00	463	\$13,916.40
<u></u>		2 - 1021		· · · · · · · · · · · · · · · · · · ·								· · · · · · · · · · · · · · · · · · ·		
Total Burdened Salary C ROADWAY PLANS DRAINAGE PLANS & PERMITTING	Costs By	<u>Activity</u> \$35,846.61 \$2,190.27		•			Total Ac	ontract Fee Co ctivity Salary Co thead Additives	osts	lons				\$13,916.40
SIGNING & MARKING PLANS SIGNAL PLANS ENVIRONMENTAL SERVICES		\$3,734.60 \$0.00						mbined Adminis	strative &	& General ost (limited to F	BC max	kimum)	168.00%	\$23,379.55
Total		\$0.00 \$41,771.48												
· · · · ·							Subtota	i (Salaries + C	Combine	d Overhead)				\$37,295.95
Survey - wetland				-			2.) Oper	ating Margin C	ost (Fixe	ed Fee)			12%	\$4,475.51
							Subtota	II (Burdened Sa	elaries +	Operating Man	gin)			\$41,771.46
							BASIC	LUMP SUM I	=EE					\$41,771.46
							Subcon	sultants						
Additional Services								Brown & Phillip	os (Survi	ey - wetland)				\$0.00 \$0.00 \$0.00
Parcel sketches (10 @ \$400) - Brown & Phillips	5						TOTAL	. LUMP SUM	FEE					\$41,771.46
							<u> </u>							
Reimbursable				•				URSABLE EX Inical Service (\$0.00
Geotechnical Services - Tierra		e ,												\$0.00 \$0.00 \$0.00
							Reprod	uction						\$0.00
								. REIMBURS	ABLE E	XPENSES				\$0.00
						÷.	ADDIT	IONAL SERV	ICES	<u> </u>				\$0.00
									1.1					
3/17/2006, Printed							TOTA	L MAXIMU	M LIM	ITING FEE				\$41,771.46

Master Summary - Estimate of Work Effort & Fee Proposal

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HYPOLUXO ROAD SA#1B Revise Typical Section; Add C & G on Outside

Staff Hour Estimate

Kimley-Horn and Associates, Inc.

Date: 3/17/2006 PBC No: 2004513

A. ROADWAY PLANS

	Scale	Basis of Estimate	No. of Units/Sheets	Manhours/ Unit/Sheet	Total Manhours	Comments
ROADWAY PLANS & ANALYSIS						
1 Horizontal Vertical Geometric Analysis		LS			0	
2 Typical Sections and Notes	•	SHT	3	12	36	
3 Summary of Quantities		SHT			. 0	
4 Plan Sheets		SHT	21	6	126	
5 Profile Sheets		SHT	1	32	32	Outside curb profile station 180+00 to 202+70
6 Side Road Profiles		SHT			0	
7 Intersection Layout and Grading		SHT			0	· · · · · · · · · · · · · · · · · · ·
8 Bridge Revisions		LS			0	
9 Miscellaneous Construction Details	· ·	LS			0	
10 Cross Sections		EA	115	1.5	173	
11 Driveway Half-Sections		EA	· · · · · · · · · · · · · · · · · · ·		0	······································
MISCELLANEOUS TASKS						
1 Quantities/Computation Books		LS	·····		0	
2 Cost Estimates		EA			0	
3 Design Documentation		LS	1	8	8	ý l
4 Field Reviews		EA		· · · ·	0	
COORDINATION						
1 Coordination with PBC Engineering		LS	1	6	6	
2 Coordinate Access Management with PBC		LS	1	16	16	· · · · · · · · · · · · · · · · · · ·
3 Coordination with Other Agency		LS			0	
4 Coordination with Utility Companies		LS			0	
5		LS			0	

ROADWAY PHASE TOTAL

397

HYPOLUXO ROAD SA#1B Revise Typical Section; Add C & G on Outside

Staff Hour Estimate

Kimley-Horn and Associates, Inc.

Date: 3/17/2006 PBC No: 2004513

B. DRAINAGE PLANS/DESIGN AND PERMITTING

	Scale	Basis of Estimate	No. of Units/Sheets	Manhours/ Unit/Sheet	Total Manhours	Comments
DRAINAGE ANALYSIS AND DESIGN						
1 Determination of Existing Conditions		LS			0	·····
2 Design of Storm Sewers		EA			0	
3 Spread Analysis		EA			0	· · · · ·
4 Analysis of Riverwalk Stormwater System		LS			0	
5 Design of Special Drainage Systems/Features		LS			0	
6 Drainage Design Report/Documentation		LS			0	
7 Field Reviews		LS	•		0	
DRAINAGE PLANS			-			
1 Drainage Map	• •	SHT			0	
2 Drainage Structure Sheets	·	EA			0	· · ·
3 Summary of Drainage Structures		SHT			0	
4 Stormwater Detention/Retention Facilities		SHT			0	······································
5 Stormwater Detention/Retention Facilities Cross Sect	ons	EA	······		0	
6 Miscellaneous Drainage Details		SHT	. 1	24	24	Flume details, etc.
PERMITTING						
1 SFWMD Permit Application & Coordination		LS			0	· · · ·
			-			
2 LWDD Permit		LS			0	
3 PBC ERM Permit Application & Coordination		LS			0	· · · · · · · · · · · · · · · · · · ·
4 NPBCID Permit Application & Coordination		LS			0	
5 Agency Meetings		LS		• •. a. · · • · .	0	· · ·
6 Prepare Erosion Control Plan and NPDES NOI and N	ОТ	LS			0	
					24	
DRAINAGE PLANS/DESIGN AND PERMITTING	PHASE TOT	AL			24	1

and the second second

HYPOLUXO ROAD SA#1B Revise Typical Section; Add C & G on Outside

Staff Hour Estimate

Kimley-Horn and Associates, Inc.

Date: 3/17/2006 PBC No: 2004513

C. SIGNING AND MARKING PLANS

	Scale	Basis of Estimate	No. of Units/Sheets	Manhours/ Unit/Sheet	Total Manhours	Comments
SIGNING AND MARKING PLANS	:					
1 Key Sheet		SHT			0	
2 General Notes Sheet/Pay Items		SHT			0	
3 Tabulation of Quantities	:	SHT			0	
4 Plan Sheets	:	SHT	21	2	42	<i>i</i>
5 Signalized Intersection Special Sign Design		SHT			0	
6 Quantities		LS			0	
7 Cost Estimates		LS			0	

SIGNING AND MARKING PLANS TOTAL

42

PBC Project No.: 2004513														rn and Associates, Inc.
Job Description: Hypoluxo Road SA #1C Widen Median in Bridge Vicinity	<i>.</i> .	· •										Date Prepared Fron To Length	r.):	2006
	Proie	ect Manager		enior Env. Scientist	Seni	Senior Engineer En		Engineer		CADD Technician		/. Scientist	Total Man Hours	
Work Element / Activity	Man Hours	Hourly Rate	Man		Man		Man	Hourly Rate	Man Hours	Hourly Rate				Salary Cost By Activit
A. ROADWAY PLANS	6	\$38.50		\$36.75	13	\$41.70	19	\$31.50	26	\$21.00		\$26.25	64	\$1,917.60
B. DRAINAGE PLANS & PERMITTING	0	\$38.50		\$36.75	0	\$41.70	ò	\$31.50	0	\$21.00		\$26.25	0	\$0.00
SIGNING & MARKING PLANS		\$38.50		\$36.75	. 5	\$41.70	15	\$31,50	9	\$21.00		\$26.25	30	\$908.50
. SIGNAL PLANS	0	\$38.50		\$36.75	0	\$41.70	0	\$31,50	0 -	\$21.00		\$26.25	0	\$0.00
E. ENVIRONMENTAL SERVICES	0	\$38.50	0	\$36.75	O	\$41.70	O	\$31.50	0	\$21.00	0	\$26.25	0	\$0.00
Totals	7	\$269.50	0	\$0.00	18	\$750.60	34	\$1,071.00	35	\$735.00	0	\$0.00	94	\$2,826.10
. ROADWAY PLANS	Costs By	<u>Activity</u> \$5,755.87						ontract Fee Co tivity Salary Co		ons		-		\$2,826.10
DRAINAGE PLANS & PERMITTING SIGNING & MARKING PLANS SIGNAL PLANS ENVIRONMENTAL SERVICES	· .	\$0.00 \$2,726.95 \$0.00 \$0.00						head Additives mbined Adminis & Fringe Be	trative &	General ost (limited to P	BC max	timum)	168.00%	\$4,747.85
Total		\$8,482.82					Subtota	II (Salaries + C	ombined	i Overhead)				\$7,573.95
Survey - wetland						•	2.) Oper	ating Margin C	ost (Fixe	d Fee)			12%	\$908.87
							Subtota	I (Burdened Sa	laries +	Operating Marg	gin)			\$8,482.82
			· .				BASIC Subcons	LUMP SUM F	'EE					\$8,482.82
Additional Services								Brown & Phillip	is (Surve	y - wetland)				\$0.00 \$0.00 \$0.00
Parcel sketches (10 @ \$400) - Brown & Phillip	s						TOTAL	LUMP SUM	FEE					\$8,482.82
Reimbursable								URSABLE EX nnical Service (I						\$0.00 \$0.00
Geotechnical Services - Tierra]									\$0.00 \$0.00
							Reprodu	REIMBURSA	BLE E	XPENSES				\$0.00 \$0.00
							ADDIT	ONAL SERVI	CES					\$0.00
							TOTA	L MAXIMU		TING FEE				\$8,482.82

HYPOLUXO ROAD SA #1C Widen Median in Bridge Vicinity

Staff Hour Estimate

Kimley-Horn and Associates, Inc.

Date: 3/17/2006 PBC No: 2004513

64

A. ROADWAY PLANS

	Scale	Basis of Estimate	No. of Units/Sheets	Manhours/ Unit/Sheet	Total Manhours	Comments
ROADWAY PLANS & ANALYSIS		•				
1 Horizontal Vertical Geometric Analysis		LS	1	32	32	Horizontal alignment & PG 6 transitions.
2 Typical Sections and Notes		SHT	2	4	8	One section.
3 Summary of Quantities		SHT			0	
4 Plan Sheets		SHT	5	2	10	Maintain same PGL. No drainage changes.
5 Profile Sheets	· ·	SHT	0	0	0	Maintain same PGL
6 Side Road Profiles		SHT			0	•
7 Intersection Layout and Grading		SHT			Ó	
8 Bridge Revisions		LS	1	4	4	Assumes bridge plans do not change.
9 Miscellaneous Construction Details	1	LS			0	·
10 Cross Sections		EA	0	0	0	
11 Driveway Half-Sections		EA			0	
MISCELLANEOUS TASKS						
1 Quantities/Computation Books		LS			0	
2 Cost Estimates		EA			0	
3 Design Documentation		LS	1	4	4	· .
4 Field Reviews		EA			0	
COORDINATION				•		
1 Coordination with PBC Engineering		LS		6	6	
2 Coordinate Access Management with PBC		LS	0	0	0	
3 Coordination with Other Agency		LS	<u>v</u>	0	0	
4 Coordination with Utility Companies						
5		LS LS	· · · · · · · · · · · · · · · · · · ·		0	· · · · · · · · · · · · · · · · · · ·
<u> </u>		<u>LS</u>			0	

ROADWAY PHASE TOTAL

HYPOLUXO ROAD SA #1C Widen Median in Bridge Vicinity

Staff Hour Estimate

Kimley-Horn and Associates, Inc.

Date: 3/17/2006 PBC No: 2004513

C. SIGNING AND MARKING PLANS

	Scale	Basis of Estimate	No. of Units/Sheets	Manhours/ Unit/Sheet	Total Manhours	Comments
SIGNING AND MARKING PLANS						
1 Key Sheet		SHT			0	
2 General Notes Sheet/Pay Items		SHT			0	· · · · · · · · · · · · · · · · · · ·
3 Tabulation of Quantities		SHT			0	
4 Plan Sheets		SHT	5	6	30	
5 Signalized Intersection Special Sign Design		SHT			0	
6 Quantities		LS			0	/
7 Cost Estimates	-	LS			0	

SIGNING AND MARKING PLANS TOTAL

30

EXHIBIT "B"

Project: <u>Hypoluxo Road from W. of Lyons Road to W. of Hagen Ranch Road</u>

Project No.: 2004513

CONSULTANT: Kimley-Horn and Associates, Inc.

TRUTH-IN-NEGOTIATION STATEMENT

By entering into this Agreement, the 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 warrants that they have not employed or retained any company or person other than a bonafide employee working solely for the 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, 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 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 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, or sexual orientation.

Murray D. Thornburg, Jr.

P.E., Senior Vice President

EXHIBIT "C"

Participation2 1272-1272

05/10/2006

Engineering & Public Works Roadway Production

PARTICIPATION FOR MWBE/SBE CONSULTANTS

Supplement Number 1

Project Name: Hypoluxo Rd. - W. of Lyons Rd. to W. of Hagen

Project No.: 2004513

Prime Consultant: Kimley-Horn & Associates, Inc.

Prime Contact Person: Blair Marsden, P.E., Vice Pres

Telephone No.: (561) 845-0665

Supplement date: 06/20/2006

 Resolution Date:
 11/16/2004
 Res #:
 R2004-2323

Department: Engineering & Public Works

	Type / Description of			Contract Dolla	r Amount for Sub-C	consultant	
Name / Address / Telephone of Minority Sub-Consultant	Work Performed by Sub-Consultant		Black	Hispanic	Other	Women	White Male
Brown & Phillips, Inc. 396990 NORTHPOINT PKY STE 305	Surveyor Engineer	MWBE	0.00	0.00	0.00	0.00	
WEST PALM BEACH, FL 33407 (561) 615-3988		SBE	6,992.95	0.00	0.00	0.00	0.00
Tierra, Inc. 2765 VISTA PKY STE 10	Geotechnical	MWBE	0.00	13,712.50	0.00	0.00	
WEST PALM BEACH, FL 33411 (561) 687-8536		SBE	0.00	0.00	0.00	0.00	0.00
	т. т	fotal MWBE	0.00	13,712.50	0.00	0.00	
		%	-	9.84			
		Total SBE	6,992.95	0.00	0.00	0.00	0.00
Total Supplement Amount:	139,259.49	%	5.02				

Exhibit C

Page 1

EXHIBIT "D"

LETTER OF INTENT TO PERFORM AS AN SBE, M/WBE AND/OR SUB-CONSULTANT

		· · ·
TO: Kimley Horn &	Associator Inc	
	& Associates, Inc. NAME OF PRIME CONSULTANT)	
<u>4431 Embarca</u>	dero Drive, West Palm Beach, FL 33407	
Nota: If Prima in a	(ADDRESS) n SBE or M/WBE, address <u>Letter of Intent</u> to "Palm Beach County".	
	n SDE OF NOW BE, address <u>Letter of Intent</u> to Paim Beach County.	
CONTACT PERSON & TITLE:	Mr. Marwan Mufleh, P.E., Project Manager	
FROM: <u>Brown & Phill</u>		
SUB-C	ONSULTANT (Prime if SBE or M/WBE)	
901 Northpoint	t Parkway, Suite 305 West Palm Beach, FL 33407 (ADDRESS)	
561-615-3988		
(TELEPHONE N	Io.) (FAX No.)	
CONTACT PERSON: Anthony Bo	rwn	
TITLE OFO		
TITLE: <u>CEO</u>	EMAIL: <u>brownphill@aol.com</u>	
The undersigned intend to perform w an individual XX	ork in connection with the above project as (check one): a corporationa partnershipa joint venture	
B. PALM BEACH COUNTY CE	RTIFIED SBE OR M/WBE*: <u>XX</u> YES	NO If YES, Check all that apply
* MBE: <u>X</u> BL	H WBE O(Other)	
* SBE: <u>X</u> BL	<u> </u>	White Male
	E OF PALM BEACH COUNTY SBE OR M/WBE CERTIFICATION	
The undersigned is prepared to per	form the following described work in connection with the p	project (specify in detail,
particular work items or parts ther	eof to be performed by the sub-consultant) or Prime is SBR	C or M/WBE:
1. Activity Provided : Land St	urveying	
2. **SUB-CONSULTANT'S NOTE: 1	"TOTAL PARTICIPATION" FOR THIS PROJECT : <u>5.0</u> ine 2 shall be the ACTUAL % of Total Project, NOT 100%.	<u>2</u> %
The undersigned will enter into a forr agreement with Palm Beach County.	nal agreement for the described work with the above-named pr	ime consultant upon an executed
**Prime's information if an SBE or M/WBE.		
یوی پی بنی این جب مید کار دیویی می وی کاری در در در در این می این در در این در در این در در در می ماند به در م	، عن من حوال الله الله بعد المحكم فارتبة الله عن عن عن من حوال الله عن من من عن المتعرب من إلا الله عن من مسط فل الل والله الله	ـــــــــــــــــــــــــــــــــــــ
PROJECT: Hypoluxo Road West of	Lyons Road to West of Hagen Ranch Road P	којест #: <u>200451</u> 3
Ducar	n & Phillips, Inc.	
	E OF SUB-CONSULTANT FIRM (Prime if SBE or M/WBE)	
λ		_
<u>An</u>	thony Brown CEC	
(PRIN	T - NAME & TITLE OF AUTHORIZED REPRESENTATIVE)	
BY: Unit	thom bron 5/2	106
(SIGN	ATURE OF AUTHORIZED REPRESENTATIVE) (D	- <u>4 [UU</u> ATE)
Rev Dec03	()	<i>-</i> ,
F:\ROADWAY\CCNA/2004\2004513\RFP\Form_LC	NI dog	

LETTER OF INTENT TO PER	RFORM AS AN
SBE, M/WBE AND/OR SUB-C	ONSULTANT

	TO: <u>Kimley-Horn & Associates, Inc.</u> (NAME OF PRIME CONSULTANT)
	4431 Embarcadero Drive, West Palm Beach, FL 33407
	(ADDRESS)
	Note: If Prime is an SBE or M/WBE, address <u>Letter of Intent</u> to "Palm Beach County."
	CONTACT PERSON & TITLE: <u>Mr. Marwan Mufleh, P.E., Project Mamager</u>
	FROM: <u>TIERRA</u>
	SUB-CONSULTANT (Prime if SBE or M/WBE)
	2765 Vista Parkway, Suite 10, WPB, FL 33411 (ADDRESS)
	<u>561 687 8536</u> (TELEPHONE No.) (FAX No.)
	CONTACT PERSON: <u>Raj Krishnasamy, P.E.</u>
	TITLE: Vice Presidenty EMAIL: Raj@Tierraeng.com
	The undersigned intend to perform work in connection with the above project as (check one): an individualXa corporationa partnershipa joint venture
<u>В.</u>	PALM BEACH COUNTY CERTIFIED SBE OR M/WBE * :X YES NO If YES, Check all that apply:
	* MBE:BLX_HWBEO(Other)
	* SBE :BLHWBEO(Other) White Male
* A	ITACH APPLICABLE COPY OF NOTICE OF PALM BEACH COUNTY SBE OR M/WBE CERTIFICATION
Th	
The	e undersigned is prepared to perform the following described work in connection with the project (specify in detail ticular work items or parts thereof to be performed by the sub-consultant) or Prime if SBE or M/WBE: 1. Activity Provided:
The par	e undersigned is prepared to perform the following described work in connection with the project (specify in detail ticular work items or parts thereof to be performed by the sub-consultant) or Prime if SBE or M/WBE: 1. Activity Provided:
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Rev.Dec03

ProjectHistory1 0

Engineering & Public Works Roadway Production

PROJECT HISTORY

05/10/2006

PROJECT NAME:Hypoluxo Rd. - W. of Lyons Rd. to W. of Hagen Ranch Rd.PROJECT NO.2004513RESOLUTION DATE / NO.11/16/2004R2004-2323AGREEMENT AMOUNT

AGREEMENT AMOUNT: \$ 786,932.42

SUPP #	DATE	DESCRIPTION	LEAD	CRC	BCC
	11		0.00	0.00	0.00
		TOTALS	0.00	0.00	0.00

Page 1

A		FICATE OF LIABI	LITY INS	URANC	EUG 3 1 2005	DATE 09/01/2005
PRODI		· · · · · · · · · · · · · · · · · · ·	THIS CERT ONLY ANI	IFICATE IS ISSUED CONFERS NO	JED AS A MATTER O D RIGHTS UPON TH TE DOES NOT AMEN FORDED BY THE POLI	E CERTIFICATE
)				INSURERS	AFFORDING COVERAG	E
JAC	KSONVILLE FL	32247-5857			·	
INSUR				PAUL TRAVE	LERS INSURANCE (A.M. BEST RA	
	LEY-HORN AND ASSOCIA O. BOX 33068	TES, INC.	INSURER B:		A.M. DEDI M.	
E.	C. BOX 55000		INSURER D:		· · ·	
RAL	EIGH NC	27636-3068	INSURER E:	•		
	ERAGES					
REQ THE	UREMENT TERM OR CONDITION (BELOW HAVE BEEN ISSUED TO THE INS OF ANY CONTRACT OR OTHER DOCUME POLICIES DESCRIBED HEREIN IS SUI EBEEN REDUCED BY PAID CLAIMS.	INT WITH RESPECT BJECT TO ALL TH	E TERMS, EXCLUS	ERTIFICATE MAY BE ISSUE	D OR MAY PERIAIN,
INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMIT	
	GENERAL LIABILITY		11		EACH OCCURRENCE	\$ 1,000,000
Ļ	X COMMERCIAL GENERAL LIABILITY		· · ·		FIRE DAMAGE (Any one fire)	\$ 500,000
-		P-630-315X3476-TIL-05	09/01/2005	09/01/2006	MED EXP (Any one person)	\$
-	X CONTRACTUAL LIAB			, ,	PERSONAL & ADV INJURY	\$ 2,000,000
-					GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	\$ 2,000,000
-	GEN'L AGGREGATE LIMIT APPLIES PER:		1 1		PRODUCTS-COMPONING	
A	AUTOMOBILE LIABILITY X ANY AUTO		11	1 1	COMBINED SINGLE LIMIT (Ea accident)	s 1,000,000
	ALL OWNED AUTOS	P-810-171L6115-TIL-05	09/01/2005	09/01/2006	BODILY INJURY (Per person)	\$
-	X HIRED AUTOS X NON-OWNED AUTOS		11		BODILY INJURY (Per accident)	\$
\sum			11		PROPERTY DAMAGE (Per accident)	\$
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	\$
	ANY AUTO		/ /	/ /	OTHER THAN EA ACC AUTO ONLY: AGG	\$\$
					EACH OCCURRENCE	\$
-					AGGREGATE	\$
-			11			\$ \$ [?]
-	DEDUCTIBLE RETENTION \$					s
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		11	11	X WC STATU- TORY LIMITS ER	
	EMPLOTERS LIADILITY				E.L. EACH ACCIDENT	\$ 500,000
		836G878-3-05	09/01/2005	09/01/2006	E.L. DISEASE - EA EMPLOYEE	
	:				E.L. DISEASE - POLICY LIMIT	\$ 500,000
	OTHER		11	11		
DESC		I EHICLES/EXCLUSIONS ADDED BY ENDORSEME) NS	<u>I</u>	
PROJ	VECT: #2004513 - HYPOLUXO TTY BOARD OF COUNTY COMMI	ROAD, WEST OF LYONS ROAD TO SSIONERS, A POLITICAL SUBDIVI R GENERAL & AUTO LIABILITY ON	HAGAN RANCH R ISION OF THE S	OAD. KHA PROJI TATE OF FLORII	ECT MGR: MARWAN MUF DA, ITS OFFICERS, E	LEH. PALM BEACH MPLOYEES AND
CFP		ITIONAL INSURED; INSURER LETTER: A	CANCELLAT			
~ mi /		HORAL MOULD, MOURER LETTER: A	VANVELEAL		and the second	

	0 101 (111	ADDITIONAL INCOMED, MOONEN LETTEN.	VAIIVELEATION
			SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE
			EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL XNOR XXX MAIL
	1		30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, MAXX
		PALM BEACH COUNTY BCC	XPANXAK XX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
l			XNGOREEXXSCADENESXNCREGRESSENTACTIVES
Ì		160 AUSTRALIAN AVE, SUITE 503	AUTHORIZED REPRESENTATIVE
		WEST PALM BEACH FL 33406-	Ames C. Do here bis, all
	ACORD	25-S (7/97)	© ACORD CORPORATION 1988
	ିମ୍ବ _ଲ - INS	025S (9910).01 ELECTRONIC LASER FC	DRMS, INC (800)327-0545 Page 1 of 2

ELECTRONIC LASER FORMS, INC. - (800)327-0545

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RODUCER	<u>DRD</u> [™] CERTIFI	CATE OF LIA				DATE (MM/DD/YYYY 12/07/05	
3B&T Ins	surance Services, Inc. onal Service Road r		ONLY AND HOLDER. 1	CONFERS NO RI	D AS A MATTER OF INF GHTS UPON THE CERTI E DOES NOT AMEND, EX FORDED BY THE POLICI	FICATE (TEND OR	
	oro, NC 27419		INSURERS A	FFORDING COVE	RAGE	NAIC #	
NSURED	Kimley-Horn and Assoc	iates, Inc.	INSURER A: L.C.	exington Insurar	ce Company	19437	
	3001 Weston Parkway	•	INSURER C:	······			
	PO Box 33068		INSURER D:				
	Raleigh, NC 27636		INSURER E:	· .			
OVERAG				······			
ANY REQI	UIREMENT, TERM OR CONDITION TAIN, THE INSURANCE AFFORDED	OW HAVE BEEN ISSUED TO THE INS OF ANY CONTRACT OR OTHER DO D BY THE POLICIES DESCRIBED HE Y HAVE BEEN REDUCED BY PAID C	CUMENT WITH RESI REIN IS SUBJECT TO	PECT TO WHICH THI	S CERTIFICATE MAY BE ISS	UED OR	
ISR ADD'L TR INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS		
	ENERAL LIABILITY				EACH OCCURRENCE	\$	
		· · · ·			DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	
	CLAIMS MADE OCCUR	· · · · · · · · ·			MED EXP (Any one person)	\$	
[, í			PERSONAL & ADV INJURY	\$	
					GENERAL AGGREGATE	\$	
					PRODUCTS - COMP/OP AGG	\$	
	POLICY PRO- JECT LOC						
					COMBINED SINGLE LIMIT (Ea accident)	\$	
	ALL OWNED AUTOS					· · · · · · · · · · · · · · · · · · ·	
	SCHEDULED AUTOS				BODILY INJURY (Per person)	\$	
	HIRED AUTOS		•			\$	
	NON-OWNED AUTOS				(Per accident)	- ,	
					PROPERTY DAMAGE (Per accident)	\$	
			.		AUTO ONLY - EA ACCIDENT	\$	
-	ANY AUTO		ļ		OTHER THAN EA ACC		
	XCESS/UMBRELLA LIABILITY		-		AGG	•	
						\$	
		·			AGGREGATE	<u>\$</u> \$	
	DEDUCTIBLE					\$	
	RETENTION \$		<u> </u>			\$	
	RS COMPENSATION AND YERS' LIABILITY				WC STATU- TORY LIMITS ER		
ANY PR	OPRIETOR/PARTNER/EXECUTIVE				E.L. EACH ACCIDENT	\$	
If yes, do	R/MEMBER EXCLUDED? escribe under				E.L. DISEASE - EA EMPLOYEE		
SPECIA	L PROVISIONS below Professional	0404470	40/00/07	40/00/00	E.L. DISEASE - POLICY LIMIT		
		0481178	12/09/05	12/09/06	\$1,000,000 Per Clain \$1,000,000 Aggregat		
SCRIPTION	OF OPERATIONS / LOCATIONS / VEHIC	I	EMENT / SPECIAL PRO	I VISIONS	·		
ypoluxo	Road, West of Lyons Road	d to Hagan Ranch Road					
-	0.: 2004513						
-	gr: Marwan Mufleh		· ·				
erro Dat	e: 2/10/67						
RTIFIC	TE HOLDER		CANCELLAT			,	
					D POLICIES BE CANCELLED BE		
	Palm Beach County BCC	2					
	Attn: Joseph Totino				WILL RUDEWORXO MAIL NAMED TO THE LEFT, SURRAI A		
	160 Australian Avenue						
			INNARARAR	NACERNEZENER NEW STARKER XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
	Suite 503		REPRESENTATION	EXX	1.	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	
•		3406	REPRESENCES				

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

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

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

ID	Task Name	Duration	Start	Finish	De Ja Fe Ma Ap Ma Ju Jul Au Se Oc No De Ja Fe Ma Ap Ma Ju Jul Au Se Oc No De J 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 2
1	Notice To Proceed	1 day?	Thu 12/16/04	Thu 12/16/04	
2	Design Survey (Complete)	78 days	Tue 12/21/04	Thu 4/7/05	Design Survey (Complete)
3	Geotechnical Investigation	20 days	Fri 12/17/04	Thu 1/13/05	Geotechnical Investigation
4	Submit to LWDD Exist Canal Section	1 day	Mon 2/7/05	Mon 2/7/05	190% Submit to LWDD Exist Canal Section
5	Re-submit to LWDD Exist Canal Section	18 days	Tue 2/8/05	Thu 3/3/05	100% Re-submit to LWDD Exist Canal Section
6	Receive LWDD Proposed Canal Section	100 days	Mon 2/14/05	Fri 7/1/05	100%
7	Re-submit Utility Contact Plans	8 days	Fri 4/8/05	Tue 4/19/05	100% Re-submit Utility Contact Plans
8	County Transmittal of Utility Plans	44 days	Fri 4/8/05	Wed 6/8/05	100%
9	BDR	36 days	Mon 3/14/05	Mon 5/2/05	
10	Alignment & Master Plan	30 days	Mon 3/14/05	Fri 4/22/05	100%
11	County Review	35 days	Mon 4/25/05	Fri 6/10/05	100% County Review
12	Receive Utility Plans	28 days	Thu 6/9/05	Mon 7/18/05	100% Receive Utility Plans
13	Initial Roadway Plans - 30%	42 days	Tue 6/14/05	Wed 8/10/05	100%
14	County Review	43 days	Thu 8/11/05	Mon 10/10/05	100% County Review
15	Drainage Analysis	20 days	Thu 8/11/05	Wed 9/7/05	100% Drainage Analysis
16	Roadway Plans - 65%	55 days	Tue 10/11/05	Mon 12/26/05	100% Roadway Plans - 65%
17	Bridge Plans - 50%	35 days	Tue 11/8/05	Mon 12/26/05	100% Bridge Plans - 50%
18	County Review 65% Roadway	30 days	Tue 12/27/05	Mon 2/6/06	100% County Review 65% Roadway
19	County Review 50% Bridge	54 days	Tue 12/27/05	Fri 3/10/06	100% County Review 50% Bridge
20	County Review 65% Signing & Marking	70 days	Tue 12/27/05	Mon 4/3/06	0% County Review 65% Signing & Ma
21	Utility Coordination Meeting	1 day	Wed 2/8/06	Wed 2/8/06	100% Utility Coordination Meeting
22	Permit submittal- Environmental	120 days	Tue 3/28/06	Mon 9/11/06	Permit submit
23	Permit submittal/Review- TPK 50%	38 days	Thu 3/9/06	Mon 5/1/06	TPK
24	Utility Locations	40 days	Thu 2/9/06	Wed 4/5/06	0% 475 Utility Locations
25	Roadway Plans - 96%	100 days	Tue 2/7/06	Mon 6/26/06	0% 6/26 Roadway Plans - 96%
26	Bridge Plans - 90%	40 days	Tue 5/2/06	Mon 6/26/06	6/26 Bridge Plans - 90%
27	County Review	15 days	Tue 6/27/06	Mon 7/17/06	0% <mark>Г₋Се</mark> µnty Review
28	TPK Permit	60 days	Tue 6/27/06	Mon 9/18/06	9/18 TRK Permit
29	Roadway Pians - 100%	30 days	Tue 7/18/06	Mon 8/28/06	0% 8/2 Roadway Plans
30	Bridge Plans - 100%	30 days	Tue 8/22/06	Mon 10/2/06	100 4 Bridge Plan

Hypo sch 032306.mpp Mon 3/27/06