

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2006	2007	2008	2009	2010
Capital Expenditures	\$200,260	-0-	-0-	-0-	-0-
Operating Costs	-0-	-0-	-0-	-0-	-0-
External Revenues	-0-	-0-	-0-	-0-	-0-
Program Income (County)	<\$200,260>	-0-	-0-	-0-	-0-
In-Kind Match (County)	-0-	-0-	-0-	-0-	-0-
NET FISCAL IMPACT	\$ -0-	-0-	-0-	-0-	-0-

ADDITIONAL FTE
POSITIONS (Cumulative) _____

Is Item Included in Current Budget? Yes X No _____
Budget Acct No.: Fund 3504 Dept. 361 Unit 1091 Object 6505
Program

B. Recommended Sources of Funds/Summary of Fiscal Impact:

Road Impact Fee Fund - Zone 4
Hypoluxo Rd/W of Lyons to W of Hagen Ranch

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
- ROW	\$ 7,000.00
- Eng Services	\$ 7,000.00
- Traffic	\$ 12,000.00
Project Cost	\$200,260.00
Funded	<\$200,260.00>
Fiscal Impact	\$ -0-

C. Departmental Fiscal Review: R.D. Ward 7/12/06

III. REVIEW COMMENTS

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

Jim Bond 7/25/06
OFMB

John P. Roberts 7/26/06
Contract Dev. and Control

This amendment complies with
our review requirements.

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

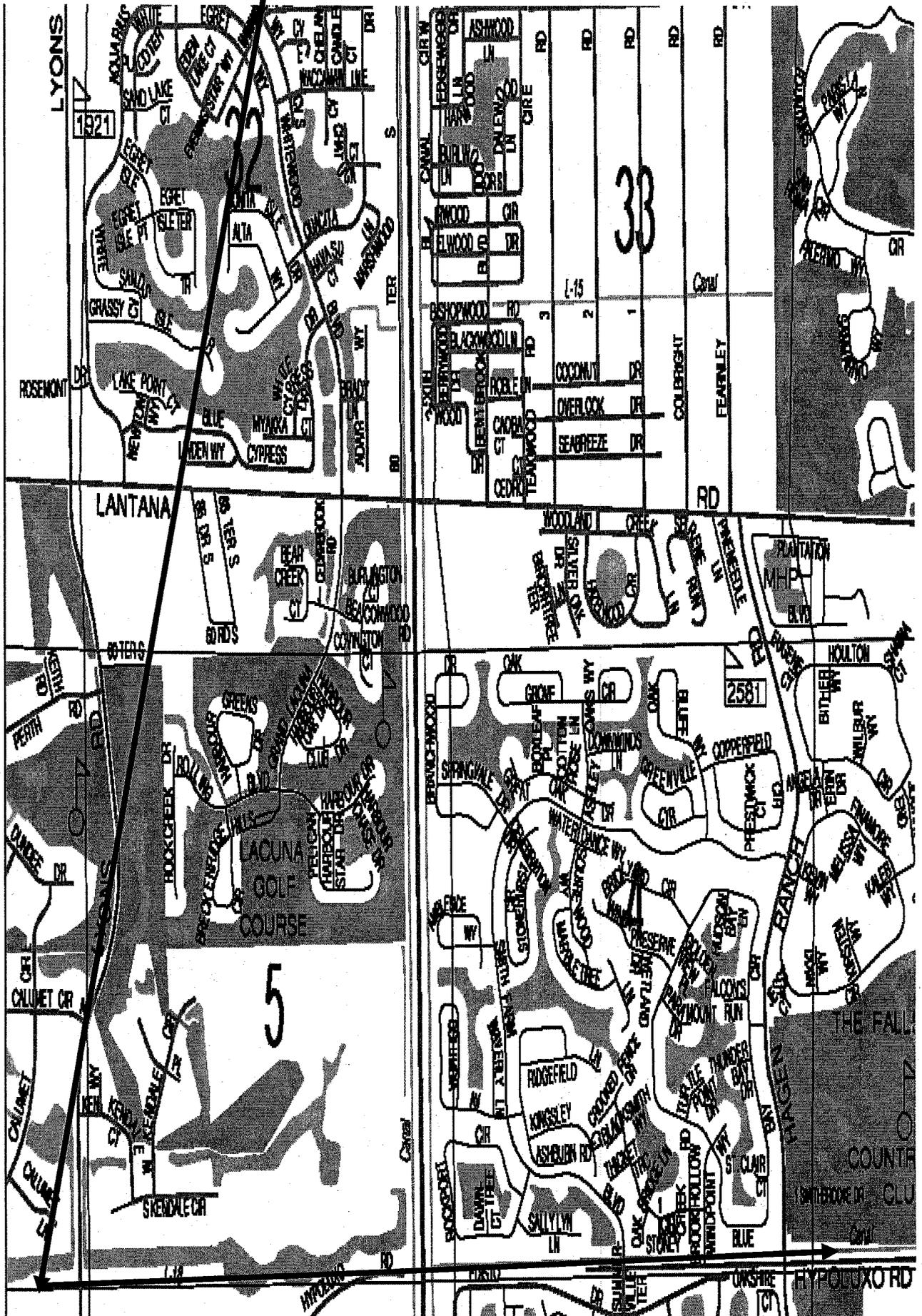
Paul F. J. 7/27/06
Assistant County Attorney

C. Other Department Review:

Department Director

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

Location Map
Hypoluxo Road, West of Lyons Road to West of Hagen Ranch Road
Project No.: 2004513





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:

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

CONSULTANT:

Kimley-Horn and Associates, Inc.
a Florida Corporation

BOARD OF COUNTY COMMISSIONERS

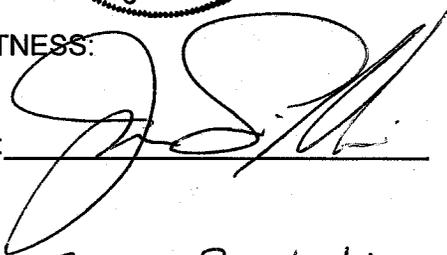
BY: _____
Tony Masillotti, Chairman

BY: 
Murray D. Thornburg, Senior Vice President

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

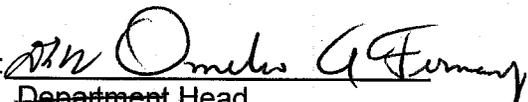


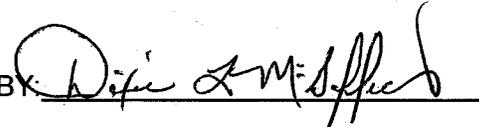
BY: _____
Deputy Clerk

WITNESS:
BY: 
James Suistaski
(Printed Name)

SEAL

**APPROVED AS TO TERMS
AND CONDITIONS:**

BY: 
Department Head
Division

BY: 

**APPROVED AS TO FORM & LEGAL
SUFFICIENCY:**

DIXIE L. MEGAFFICK
(Printed Name)

County Attorney

EXHIBIT "A"

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

David Y.
pls process
OK as to scope
& fee
S-O
4/7/06

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.

OK per
KJP
4/7/06

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

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

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 ✓

Reimbursable \$13,712.50 ✓

Additional services \$4,000.00 ✓

Master Summary - Estimate of Work Effort & Fee Proposal

PBC Project No.: 2004513

Subconsultant: Kimley-Horn and Associates, Inc.

Date Prepared: March 17, 2006

Job Description: Hypoluxo Road
SA #1A provide superlevation shoulders/inlets & Lyons Rd expanded intersection

From:

To:

Length:

Work Element / Activity	Project Manager		Senior Env. Scientist		Senior Engineer		Engineer		CADD Technician		Env. Scientist		Total Man Hours	Salary Cost By Activity
	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate		
A. ROADWAY PLANS	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		\$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
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

Total Burdened Salary Costs By Activity	
A. ROADWAY PLANS	\$23,443.69
B. DRAINAGE PLANS & PERMITTING	\$11,307.63
C. SIGNING & MARKING PLANS	\$3,577.01
D. SIGNAL PLANS	\$15,415.92
E. ENVIRONMENTAL SERVICES	\$14,555.51
Total	\$68,299.76

Survey - wetland	\$2,992.95
Additional Services	
Parcel sketches (10 @ \$400) - Brown & Phillips	\$4,000.00
Reimbursable	
Geotechnical Services - Tierra	\$13,712.50

Total Contract Fee Computations	
Total Activity Salary Costs	\$22,754.45
1.) Overhead Additives	
a.) Combined Administrative & General & Fringe Benefits Cost (limited to PBC maximum)	168.00% \$38,227.48
Subtotal (Salaries + Combined Overhead)	\$60,981.93
2.) Operating Margin Cost (Fixed Fee)	12% \$7,317.83
Subtotal (Burdened Salaries + Operating Margin)	\$68,299.76
BASIC LUMP SUM FEE	\$68,299.76
Subconsultants	
Brown & Phillips (Survey - wetland)	\$2,992.95
	\$0.00
	\$0.00
TOTAL LUMP SUM FEE	\$71,292.71

REIMBURSABLE EXPENSES	
Geotechnical Service (MSE wall) (Tierra)	\$13,712.50
	\$0.00
	\$0.00
	\$0.00
Reproduction	\$0.00
TOTAL REIMBURSABLE EXPENSES	\$13,712.50

ADDITIONAL SERVICES	\$4,000.00
----------------------------	-------------------

TOTAL MAXIMUM LIMITING FEE	\$89,005.21
-----------------------------------	--------------------

3/17/2006 , Printed Date

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

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	36	36	For superelevation areas, recalculate curb breaks, sta/offset/EI. For Lyons Rd intersection, redesign all 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		EA			0	
3 Design Documentation		LS	1	4	4	
4 Field Reviews		EA			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
----------------------------	------------

HYPOLUXO ROAD
SA #1A provide superelevation shoulders/inlets & Lyons Rd expanded intersection

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	37	1.5	55.5	37 additional structures in superelevated areas, no need to redo computer run.
3 Spread Analysis		EA	1	20	20	37 structures Spread analysis table
4 Analysis of Riverwalk Stormwater System		LS			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	
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	
2 LWDD Permit		LS			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 PHASE TOTAL					124	

HYPOLUXO ROAD
SA #1A provide superlevation shoulders/inlets & Lyons Rd expanded intersection

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	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		LS			0	

SIGNING AND MARKING PLANS TOTAL	40
--	-----------

HYPOLUXO ROAD
SA #1A provide superlevation shoulders/inlets & Lyons Rd expanded intersection

Staff Hour Estimate

Kimley-Horn and Associates, Inc.

Date: 3/17/2006
PBC No: 2004513

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 sheets.
5 Interconnect Plans*		SHT	29	2	58	
6 Street Name Sign Details		EA	1	4	4	
7 Mast Arm Detail Sheets		EA	0	0	0	
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	166
---------------------------	------------

* Was not included in original contract

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

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 @ 8 hrs plus drawing colored exhibits of sections of exist & proposed canals 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	LS			0	
ENVIRONMENTAL PERMITTING					
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					\$2,992.95



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.

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

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			
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 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			
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			\$13,712.50

Master Summary - Estimate of Work Effort & Fee Proposal

PBC Project No.: 2004513

Subconsultant: Kimley-Horn and Associates, Inc.

Date Prepared: March 17, 2006

Job Description: Hypoluxo Road
SA#1B Revise Typical Section; Add C & G on Outside

From:

To:

Length:

Work Element / Activity	Project Manager		Senior Env. Scientist		Senior Engineer		Engineer		CADD Technician		Env. Scientist		Total Man Hours	Salary Cost By Activity
	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate			By Activity	
A. ROADWAY PLANS	40	\$38.50		\$36.75	80	\$41.70	119	\$31.50	158	\$21.00		\$26.25	397	\$11,942.50
B. DRAINAGE PLANS & PERMITTING	1	\$38.50		\$36.75	6	\$41.70	8	\$31.50	9	\$21.00		\$26.25	24	\$729.70
C. SIGNING & MARKING PLANS	1	\$38.50		\$36.75	6	\$41.70	21	\$31.50	14	\$21.00		\$26.25	42	\$1,244.20
D. 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	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
Total Burdened Salary Costs By Activity														
A. ROADWAY PLANS		\$35,846.61												
B. DRAINAGE PLANS & PERMITTING		\$2,190.27												
C. SIGNING & MARKING PLANS		\$3,734.80												
D. SIGNAL PLANS		\$0.00												
E. ENVIRONMENTAL SERVICES		\$0.00												
Total		\$41,771.48												
Total Contract Fee Computations														
Total Activity Salary Costs													\$13,916.40	
1.) Overhead Additives														
a.) Combined Administrative & General & Fringe Benefits Cost (limited to PBC maximum)													168.00% \$23,379.55	
Subtotal (Salaries + Combined Overhead)													\$37,295.95	
2.) Operating Margin Cost (Fixed Fee)													12% \$4,475.51	
Subtotal (Burdened Salaries + Operating Margin)													\$41,771.46	
BASIC LUMP SUM FEE													\$41,771.46	
Subconsultants														
Brown & Phillips (Survey - wetland)													\$0.00	
													\$0.00	
													\$0.00	
TOTAL LUMP SUM FEE													\$41,771.46	
REIMBURSABLE EXPENSES														
Geotechnical Service (MSE wall) (Tierra)													\$0.00	
													\$0.00	
													\$0.00	
													\$0.00	
Reproduction													\$0.00	
TOTAL REIMBURSABLE EXPENSES													\$0.00	
ADDITIONAL SERVICES													\$0.00	
TOTAL MAXIMUM LIMITING FEE													\$41,771.46	

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		LS			0	
2		SHT	3	12	36	
3		SHT			0	
4		SHT	21	6	126	
5		SHT	1	32	32	Outside curb profile station 180+00 to 202+70
6		SHT			0	
7		SHT			0	
8		LS			0	
9		LS			0	
10		EA	115	1.5	173	
11		EA			0	
MISCELLANEOUS TASKS						
1		LS			0	
2		EA			0	
3		LS	1	8	8	
4		EA			0	
COORDINATION						
1		LS	1	6	6	
2		LS	1	16	16	
3		LS			0	
4		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 Sections		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			0	
6 Prepare Erosion Control Plan and NPDES NOI and NOT		LS			0	
					24	
DRAINAGE PLANS/DESIGN AND PERMITTING PHASE TOTAL					24	

**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	
5 Signalized Intersection Special Sign Design		SHT			0	
6 Quantities		LS			0	
7 Cost Estimates		LS			0	
SIGNING AND MARKING PLANS TOTAL					42	

Master Summary - Estimate of Work Effort & Fee Proposal

PBC Project No.: 2004513

Subconsultant: Kimley-Horn and Associates, Inc.

Job Description: Hypoluxo Road
SA #1C Widen Median in Bridge Vicinity

Date Prepared: March 17, 2006

From:

To:

Length:

Work Element / Activity	Project Manager		Senior Env. Scientist		Senior Engineer		Engineer		CADD Technician		Env. Scientist		Total Man Hours	Salary Cost By Activity
	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate	Man Hours	Hourly Rate				
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	0	\$31.50	0	\$21.00		\$26.25	0	\$0.00
C. SIGNING & MARKING PLANS	1	\$38.50		\$36.75	5	\$41.70	15	\$31.50	9	\$21.00		\$26.25	30	\$908.50
D. 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	0	\$41.70	0	\$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
Total Burdened Salary Costs By Activity														
A. ROADWAY PLANS		\$5,755.87												
B. DRAINAGE PLANS & PERMITTING		\$0.00												
C. SIGNING & MARKING PLANS		\$2,726.95												
D. SIGNAL PLANS		\$0.00												
E. ENVIRONMENTAL SERVICES		\$0.00												
Total		\$8,482.82												
Total Contract Fee Computations														
Total Activity Salary Costs \$2,826.10														
1.) Overhead Additives														
a.) Combined Administrative & General & Fringe Benefits Cost (limited to PBC maximum) 168.00% \$4,747.85														
Subtotal (Salaries + Combined Overhead) \$7,573.95														
2.) Operating Margin Cost (Fixed Fee) 12% \$908.87														
Subtotal (Burdened Salaries + Operating Margin) \$8,482.82														
BASIC LUMP SUM FEE \$8,482.82														
Subconsultants														
Brown & Phillips (Survey - wetland) \$0.00														
\$0.00														
\$0.00														
TOTAL LUMP SUM FEE \$8,482.82														
REIMBURSABLE EXPENSES														
Geotechnical Service (MSE wall) (Tierra) \$0.00														
\$0.00														
\$0.00														
\$0.00														
Reproduction \$0.00														
TOTAL REIMBURSABLE EXPENSES \$0.00														
ADDITIONAL SERVICES \$0.00														
TOTAL MAXIMUM LIMITING 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

A. ROADWAY PLANS

	Scale	Basis of Estimate	No. of Units/Sheets	Manhours/ Unit/Sheet	Total Manhours	Comments
ROADWAY PLANS & ANALYSIS						
1		LS	1	32	32	Horizontal alignment & PG 6 transitions.
2		SHT	2	4	8	One section.
3		SHT			0	
4		SHT	5	2	10	Maintain same PGL. No drainage changes.
5		SHT	0	0	0	Maintain same PGL.
6		SHT			0	
7		SHT			0	
8		LS	1	4	4	Assumes bridge plans do not change.
9		LS			0	
10		EA	0	0	0	
11		EA			0	
MISCELLANEOUS TASKS						
1		LS			0	
2		EA			0	
3		LS	1	4	4	
4		EA			0	
COORDINATION						
1		LS	1	6	6	
2		LS	0	0	0	
3		LS			0	
4		LS			0	
5		LS			0	

ROADWAY PHASE TOTAL	64
----------------------------	-----------

**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: Hypoluxo Road from W. of Lyons Road to W. of Hagen Ranch Road

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

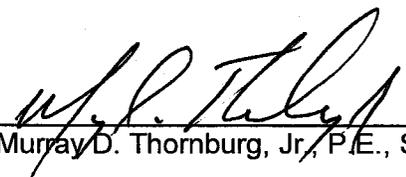
By entering into this Agreement the **CONSULTANT** warrants that they have not employed or retained any company or person other than a bonafide employee working solely for the **CONSULTANT** to solicit or secure this Agreement and that they have not paid or agreed to pay any person, company, corporation, 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"

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

Resolution Date: 11/16/2004

Res #: R2004-2323

Supplement date: 06/20/2006

Department: Engineering & Public Works

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

Total Supplement Amount: 139,259.49

EXHIBIT "D"

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

TO: Kimley Horn & Associates, Inc.
(NAME OF PRIME CONSULTANT)

4431 Embarcadero Drive, West Palm Beach, FL 33407
(ADDRESS)

Note: If Prime is an SBE or M/WBE, address Letter of Intent to "Palm Beach County".

CONTACT PERSON & TITLE: Mr. Marwan Mufleh, P.E., Project Manager

FROM: Brown & Phillips, Inc.
SUB-CONSULTANT (Prime if SBE or M/WBE)

901 Northpoint Parkway, Suite 305 West Palm Beach, FL 33407
(ADDRESS)

561-615-3988 561-615-3986
(TELEPHONE No.) (FAX No.)

CONTACT PERSON: Anthony Borwn

TITLE: CEO EMAIL: brownphill@aol.com

The undersigned intend to perform work in connection with the above project as (check one):
an individual a corporation a partnership a joint venture

B. PALM BEACH COUNTY CERTIFIED SBE OR M/WBE*: XX YES NO **If YES, Check all that apply**

* MBE: X BL H WBE O(Other)

* SBE: X BL H WBE O(Other) White Male

* ATTACH APPLICABLE COPY OF NOTICE OF PALM BEACH COUNTY SBE OR M/WBE CERTIFICATION

The undersigned is prepared to perform the following described work in connection with the project (specify in detail, particular work items or parts thereof to be performed by the sub-consultant) or Prime is SBE or M/WBE:

1. Activity Provided : Land Surveying

2. **SUB-CONSULTANT'S "TOTAL PARTICIPATION" FOR THIS PROJECT : 5.02%
NOTE: Line 2 shall be the ACTUAL % of Total Project, NOT 100%.

The undersigned will enter into a formal agreement for the described work with the above-named prime consultant upon an executed agreement with Palm Beach County.

**Prime's information if an SBE or M/WBE.

PROJECT: Hypoluxo Road West of Lyons Road to West of Hagen Ranch Road

PROJECT #: 2004513

Brown & Phillips, Inc.

NAME OF SUB-CONSULTANT FIRM (Prime if SBE or M/WBE)

Anthony Brown CEO

(PRINT - NAME & TITLE OF AUTHORIZED REPRESENTATIVE)

BY: Anthony Borwn

(SIGNATURE OF AUTHORIZED REPRESENTATIVE)

5/24/06

(DATE)

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

TO: Kimley-Horn & Associates, Inc.
(NAME OF PRIME CONSULTANT)

4431 Embarcadero Drive, West Palm Beach, FL 33407
(ADDRESS)

Note: If Prime is an SBE or M/WBE, address Letter of Intent to "Palm Beach County."

CONTACT PERSON & TITLE: Mr. Marwan Mufleh, P.E., Project Manager

FROM: TIERRA
SUB-CONSULTANT (Prime if SBE or M/WBE)

2765 Vista Parkway, Suite 10, WPB, FL 33411
(ADDRESS)

561 687 8536 561 687 8570
(TELEPHONE No.) (FAX No.)

CONTACT PERSON: Raj Krishnasamy, P.E.

TITLE: Vice Presidenty EMAIL: Raj@Tierraeng.com

The undersigned intend to perform work in connection with the above project as (check one):
 an individual a corporation a partnership a joint venture

B. PALM BEACH COUNTY CERTIFIED SBE OR M/WBE * : YES NO *If YES, Check all that apply:*

* MBE: BL H WBE O(Other)

* SBE: BL H WBE O(Other) White Male

* ATTACH APPLICABLE COPY OF NOTICE OF PALM BEACH COUNTY SBE OR M/WBE CERTIFICATION

The undersigned is prepared to perform the following described work in connection with the project (specify in detail, particular work items or parts thereof to be performed by the sub-consultant) or Prime if SBE or M/WBE:

1. Activity Provided: Geotechnical Services

2. ** SUB-CONSULTANT'S "TOTAL PARTICIPATION" FOR THIS PROJECT : 9.84 %

NOTE: Line 2 shall be the ACTUAL % of Total Project, NOT 100%.

The undersigned will enter into a formal agreement for the described work with the above-named prime consultant upon an executed agreement with Palm Beach County.

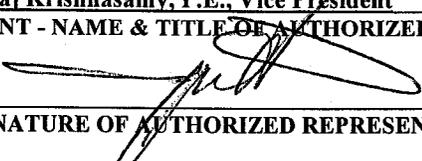
** Prime's information if an SBE or M/WBE

Project: Hypoluxo Road from W. of Lyons Road to W. of Hagen Ranch Road

Project No.: 2004513

TIERRA, INC.
NAME OF SUB-CONSULTANT FIRM (PRIME if SBE or M/WBE)

Raj Krishnasamy, P.E., Vice President
(PRINT - NAME & TITLE OF AUTHORIZED REPRESENTATIVE)

BY:  May 23, 2006
(SIGNATURE OF AUTHORIZED REPRESENTATIVE) (DATE)

PROJECT HISTORY

05/10/2006

Page 1

PROJECT NAME: Hypoluxo Rd. - W. of Lyons Rd. to W. of Hagen Ranch Rd.**PROJECT NO.** 2004513**RESOLUTION DATE / NO.** 11/16/2004 R2004-2323 **AGREEMENT AMOUNT: \$** 786,932.42

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

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	Gantt Chart																									
					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	Ja
1	Notice To Proceed	1 day?	Thu 12/16/04	Thu 12/16/04	Notice To Proceed																									
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	Submit to LWDD Exist Canal Section																									
5	Re-submit to LWDD Exist Canal Section	18 days	Tue 2/8/05	Thu 3/3/05	Re-submit to LWDD Exist Canal Section																									
6	Receive LWDD Proposed Canal Section	100 days	Mon 2/14/05	Fri 7/1/05	Receive LWDD Proposed Canal Section																									
7	Re-submit Utility Contact Plans	8 days	Fri 4/8/05	Tue 4/19/05	Re-submit Utility Contact Plans																									
8	County Transmittal of Utility Plans	44 days	Fri 4/8/05	Wed 6/8/05	County Transmittal of Utility Plans																									
9	BDR	36 days	Mon 3/14/05	Mon 5/2/05	BDR																									
10	Alignment & Master Plan	30 days	Mon 3/14/05	Fri 4/22/05	Alignment & Master Plan																									
11	County Review	35 days	Mon 4/25/05	Fri 6/10/05	County Review																									
12	Receive Utility Plans	28 days	Thu 6/9/05	Mon 7/18/05	Receive Utility Plans																									
13	Initial Roadway Plans - 30%	42 days	Tue 6/14/05	Wed 8/10/05	Initial Roadway Plans - 30%																									
14	County Review	43 days	Thu 8/11/05	Mon 10/10/05	County Review																									
15	Drainage Analysis	20 days	Thu 8/11/05	Wed 9/7/05	Drainage Analysis																									
16	Roadway Plans - 65%	55 days	Tue 10/11/05	Mon 12/26/05	Roadway Plans - 65%																									
17	Bridge Plans - 50%	35 days	Tue 11/8/05	Mon 12/26/05	Bridge Plans - 50%																									
18	County Review 65% Roadway	30 days	Tue 12/27/05	Mon 2/6/06	County Review 65% Roadway																									
19	County Review 50% Bridge	54 days	Tue 12/27/05	Fri 3/10/06	County Review 50% Bridge																									
20	County Review 65% Signing & Marking	70 days	Tue 12/27/05	Mon 4/3/06	County Review 65% Signing & Ma																									
21	Utility Coordination Meeting	1 day	Wed 2/8/06	Wed 2/8/06	Utility Coordination Meeting																									
22	Permit submittal- Environmental	120 days	Tue 3/28/06	Mon 9/11/06	Permit submitt																									
23	Permit submittal/Review- TPK 50%	38 days	Thu 3/9/06	Mon 5/1/06	Permit submittal/Review- TPK																									
24	Utility Locations	40 days	Thu 2/9/06	Wed 4/5/06	Utility Locations																									
25	Roadway Plans - 96%	100 days	Tue 2/7/06	Mon 6/26/06	Roadway Plans - 96%																									
26	Bridge Plans - 90%	40 days	Tue 5/2/06	Mon 6/26/06	Bridge Plans - 90%																									
27	County Review	15 days	Tue 6/27/06	Mon 7/17/06	County Review																									
28	TPK Permit	60 days	Tue 6/27/06	Mon 9/18/06	TPK Permit																									
29	Roadway Plans - 100%	30 days	Tue 7/18/06	Mon 8/28/06	Roadway Plans -																									
30	Bridge Plans - 100%	30 days	Tue 8/22/06	Mon 10/2/06	Bridge Plans																									