

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2013	2014	2015	2016	2017
Capital Expenditures	\$200,618	-0-	-0-	-0-	-0-
Operating Costs	-0-	-0-	-0-	-0-	-0-
External Revenues	(\$100,000)	-0-	-0-	-0-	-0-
Program Income (County)	-0-	-0-	-0-	-0-	-0-
In-Kind Match (County)	-0-	-0-	-0-	-0-	-0-
NET FISCAL IMPACT	\$100,618	-0-	-0-	-0-	-0-
# ADDITIONAL FTE POSITIONS (Cumulative)					

Is Item Included in Current Budget? Yes X No

Budget Account No:

Fund 3501 Dept 361 Unit 1348-001 Object 6505

Recommended Sources of Funds/Summary of Fiscal Impact:

Road Impact Fees - Zone 1
Northlake Blvd and Military Trail Intersection Improvements

New Task Authorization	
Basic Services	\$124,361.47
Optional Services	\$ 12,278.48
Reimbursables	\$ 17,667.25
Total Authorization	\$154,307.20
Staff Costs - Traffic	\$ 15,440.00
Roadway Production	\$ 30,870.00
Total Costs	\$200,617.20
Less: FDOT Revenue CIGP	(\$100,000.00)
Fiscal Impact	\$100,617.20

Note: The Board approved a CIGP grant from FDOT, FM#431645-1-38-01 on October 2, 2012, (R2012-1445), which will cover 50% of the design costs up to \$100,000.

C. Departmental Fiscal Review: Alice Kovalainen

III. REVIEW COMMENTS

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

 [Signature]
OFMB 2/17 2/17

 [Signature]
Contract Dev. and Control 2/21/13
2-11-13 B Wheeler

B. Approved as to Form and Legal Sufficiency:

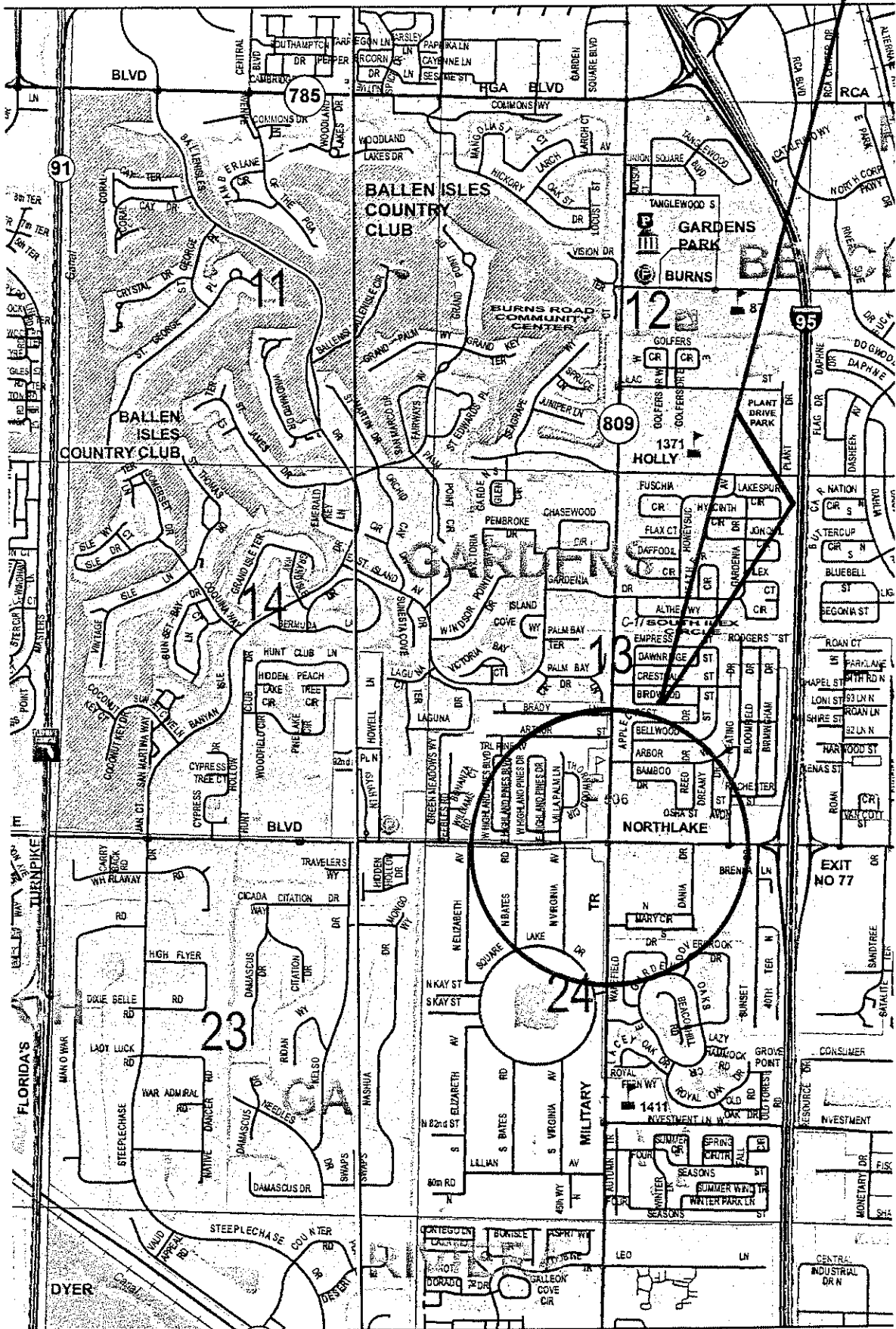
 [Signature] 2/25/13
Assistant County Attorney

C. Other Department Review:

Department Director

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

NORTHLAKE BOULEVARD AND MILITARY TRAIL
INTERSECTION IMPROVEMENTS
PROJECT NO. 2013519



LOCATION SKETCH

ATTACHMENT 2

WORK TASK ORDER TO ANNUAL AGREEMENT BETWEEN

**PALM BEACH COUNTY
AND
ARCADIS U.S., INC.**

FOR PROFESSIONAL ENGINEERING SERVICES ON

**NORTHLAKE BOULEVARD AND MILITARY TRAIL
INTERSECTION IMPROVEMENTS**

**PROJECT NO.: 2013519
PALM BEACH COUNTY, FLORIDA**

THIS WORK TASK ORDER TO THE ANNUAL AGREEMENT, made and entered into this day of _____ 2013 by and between Palm Beach County, hereinafter called the **COUNTY**, and Arcadis U.S., Inc., a Florida Corporation with an address of 2081 Vista Parkway, West Palm Beach, Florida 33411, hereinafter called the **CONSULTANT**.

WITNESSETH

WHEREAS, the **COUNTY** and **CONSULTANT** entered into an Annual Agreement for intersection improvements on a task order basis on May 17, 2011 (R2011-0703).

WHEREAS, the **COUNTY** desires the **CONSULTANT** to perform intersection improvement services for Northlake Boulevard and Military Trail, Palm Beach County, Florida (hereinafter called the **PROJECT**); and,

WHEREAS, the **CONSULTANT** agrees to perform the intersection improvement services required for preparing design plans and construction bid documents, including related documents for the **PROJECT**; and,

**Re: Northlake Boulevard and Military Trail Intersection Improvements
Project No.: 2013519**

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

Basic Services in a lump sum fee of \$124,361.47;

Reimbursable Expenses capped at \$17,667.25;

Optional Services capped at \$12,278.48

Totaling \$154,307.20

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 Work Task Order known as "SCOPE OF WORK & FEE".
2. The **CONSULTANT** agrees to "CERTIFICATION" statements as described in Exhibit "B" of the Work Task Order.
3. The **CONSULTANT** agrees to Small Business Enterprise (SBE) Participation, described in Exhibit "C" of the Work Task Order.
4. The **CONSULTANT** has provided sub-consultant Letters of Intent to perform as an SBE as described in Exhibit "D" of the Work Task Order.
5. The **COUNTY** agrees to pay the **CONSULTANT** a fee of One Hundred Fifty Four Thousand Three Hundred Seven Dollars and Twenty Cents (\$154,307.20).
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**.
7. The **CONSULTANT** shall indemnify, save and hold harmless the Florida Department of Transportation (FDOT) from all claims, demands, liabilities, and suits of any nature including reasonable attorneys fees and court costs arising out of, because of or due to any intentional and/or negligent act or occurrence, omission or commission of the **CONSULTANT**. It is specifically understood and agreed that this indemnification clause does not cover or indemnify the FDOT for its own negligence.

Except as hereby amended, changed or modified, all other terms, conditions and obligations of the Agreement dated **May 17, 2011 (R2011-0703)**, shall remain in full force and effect.

Re: Northlake Boulevard and Military Trail Intersection Improvements
Project No.: 2013519

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

OWNER:

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

BOARD OF COUNTY COMMISSIONERS

BY: _____
Steven L. Abrams, ~~Chairman~~
Mayor

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

BY: _____
Deputy Clerk

SEAL

APPROVED AS TO TERMS
AND CONDITIONS:

BY: *Donna A. Fernandez*

APPROVED AS TO FORM & LEGAL
SUFFICIENCY:

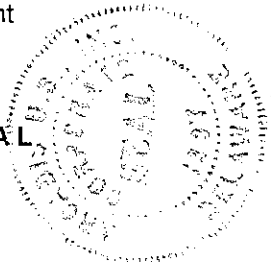
COUNTY ATTORNEY

CONSULTANT:

Arcadis U.S., Inc.
a Florida Corporation

BY: *[Signature]*
Robert W. Lawson
Vice President

CORPORATE SEAL



WITNESS:

BY: *[Signature]*

Henry W. Deibel Jr
(Printed Name)

BY: *[Signature]*

Donnie Fazio
(Printed Name)

EXHIBIT "A"

Scope + Fee OK
824



Mr. David Young, PE
Palm Beach County
Roadway Production Division
2300 N. Jog Road
West Palm Beach, FL 33411

ARCADIS U.S., Inc.
2081 Vista Parkway
West Palm Beach
Florida 33411
Tel 561.697.7000
Fax 561.697.7751
www.arcadis-us.com

Transportation

Subject:
Northlake Boulevard & Military Trail
Intersection Improvements
PBCo. Project No. 2013519

Date:
January 15, 2013

Dear Mr. Young:

Contact:
Henry Deibel

We are pleased to submit this proposal for professional services for the above referenced project.

Phone:
(561) 697-7075

The scope of services for this project will consist of engineering design and permitting for the construction of an exclusive right turn lane on the east approach of Northlake Boulevard at Military Trail. Survey services for the preparation of a right of way map and sketch and legal descriptions for the proposed right of way and temporary construction easements will be provided. A phase II environmental assessment of the Valero gas station property that will be acquired will be performed. Soil test borings for the roadway improvements will be obtained.

Email:
Hank.deibel@arcadis-us.com

Our ref:
WF100000

The design speed for the project will be 45 mph. The proposed roadway configuration for westbound traffic on the east approach will be as follows:

Florida License Numbers

Engineering
EB00007917

Geology
GB564

Landscape Architecture
LC26000269

Surveying
LB7062

- 3-11 foot wide thru lanes
- 3 foot wide paved outside shoulder
- 2-10 foot wide left turn lanes
- 1-10 foot wide right turn lane
- 8 foot wide border area (2 foot wide curb and gutter and 6 foot wide concrete sidewalk)

Imagine the result

ARCADIS

Dave Young, PE
January 15, 2013

The existing east bound roadway and the existing traffic separator will remain. The inside left turn lane will be located 1' from the face of the existing traffic separator.

Right of way will be acquired for an expanded corner clip at the northeast corner. Temporary construction easements will be acquired along the north side of Northlake Boulevard within the project limits.

The following plan sheets will be provided:

- Cover Sheet
- Estimate of Quantities
- Typical Sections
- Roadway Plans
- Cross Sections
- Maintenance and Protection of Traffic Plans
- Pavement Marking and Signage Plans
- Traffic Signalization Plans

A field survey of the project area was performed for use during the study phase of the project. This field survey will be utilized for the roadway design. Right of way mapping services will consist of the following:

- Preparation of a baseline survey for submittal to and approval by the FDOT. Following completion of the baseline survey we will meet with the FDOT survey department to review the work.
- Preparation of a control survey drawing for the project. Following completion of the baseline survey we will meet with the FDOT survey department to review the work.
- Preparation of a preliminary right of way map for the project. Following completion of the preliminary right of way map we will meet with the FDOT survey department to review the work.

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January 15, 2013

- Preparation of a final right of way map for the project. Following completion of the final right of way map we will meet with the FDOT survey department to review the work.
- Preparation of sketch and legal descriptions for the right of way and temporary construction easements.

Traffic signalization plans will be prepared by Simmons & White Inc. for the project in accordance with the attached proposal. The traffic signal design services will include the preparation of a feasibility study to review the capacity of the existing strain pole system as well as the feasibility of constructing a new mast arm system, the preparation of structural calculations for a mast arm and a strain pole system, and the preparation of final traffic signal plans. Soil test borings will be prepared by Tierra South Florida in accordance with the attached proposal. Underground utility locating services as required for the traffic signal design will be performed by InfraMap in accordance with the attached proposal.

The Phase II environmental assessment will consist of the following three tasks:

Task 1: Project-Specific Health and Safety Plan and Site Access Agreement

A project-specific Health and Safety Plan (HASP) will be prepared and maintained throughout all field work for this project. The HASP will identify potential hazards (such as underground/overhead utilities and automotive traffic within the proposed sampling areas) and evaluate protective equipment necessary to mitigate the hazards. A Maintenance of Traffic (MOT) Plan will be prepared if deemed necessary, and right-of-way (ROW) permits will be obtained. Florida Sunshine One-Call will be contacted at least 72 hours in advance of field work to mark the locations of underground utilities. A site access agreement and/or ROW permits with the current landowner(s) will also be obtained. No field activities will be scheduled until site access and ROW permits have been approved.

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January 15, 2013

Task 2: Sampling and Analysis

Three (3) soil borings/shallow temporary monitor wells will be installed within the proposed turning lane area using a direct-push technology (DPT) Geoprobe™ rig. A polyethylene sleeve will be inserted into the direct-push rod for collection of a soil core sample. Soil samples will be collected at approximate 2-foot depth intervals to the water table and field-screened with an organic vapor analyzer (OVA) equipped with a flame-ionization detector for the presence of volatile organic vapors during well installation. One soil sample from each boring will be collected for laboratory analysis of volatile organic aromatic hydrocarbons (VOAs) and volatile organic halocarbons (VOHs) using U. S. Environmental Protection Agency (EPA) Test Method 8260, polynuclear aromatic hydrocarbon (PAH) compounds using EPA Test Method 8270, total recoverable petroleum hydrocarbons (TRPHs) using the Florida Petroleum Range Organics (FL-PRO) method, the eight (8) Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, mercury, lead selenium and silver), organochlorine pesticides using EPA Test Method 8081A, and polychlorinated biphenyls (PCBs) using EPA Test Method EPA 8082.

Each soil boring will be converted into a temporary monitor well utilizing a 10-foot long polyvinyl chloride (PVC) well screen for collection of shallow groundwater samples. A water sample will be collected from each location using dedicated tubing and a peristaltic pump. The water samples will be collected for analysis of the same parameters as listed above for the soil samples. Additionally, a contingency field-filtered water sample from each location will be collected and held at the laboratory. If any total metal analysis (from the unfiltered sample) exceeds a Groundwater Cleanup Target Level (GCTL), the laboratory will be instructed to analyze the field-filtered sample for that/those metal(s). Upon completion, the soil borings/temporary wells will be removed and the borehole sealed with grout.

The soil and water samples will be collected by ARCADIS in accordance with the Florida Department of Environmental Protection (FDEP) Standard Operation Procedures (SOP-01). The samples will be delivered under chain of custody in sealed coolers with ice to

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January 15, 2013

Jupiter Environmental Laboratory, Inc., (JEL), a Palm Beach County based National Environmental Laboratory Accreditation Program (NELAP)-certified laboratory.

Task 3: Data Evaluation and Reporting

The field and laboratory data collected from this investigation will be validated and evaluated. A letter report describing the methods, findings, and conclusions will be prepared by ARCADIS. The report will contain a figure showing the sampling locations and tables summarizing the analytical data. A draft of the report will be submitted for PBCRP review and comment. Upon approval from PBCRP, the final report will be prepared, signed, and submitted.

Groundwater samples will be obtained and tested for the presence of Hex Chrome, pH, mercury, TOC, Copper, Zinc, Cadmium, and Lead to determine if the discharge of dewatering effluent will be acceptable. A report on the results of our findings will be provided to the County.

Attached is a copy of our fee breakdown for this work. We thank you for the opportunity to work with you on this project and look forward to the successful completion of this work. Please feel free to contact our office if you have any questions or require any additional information.

Sincerely,

ARCADIS U.S., Inc.



Henry W. Deibel, Jr., PE
Associate Vice President

Copies:
Maroun Azzi, PE

Fee Summary

Northlake Boulevard & Military Trail
 Intersection Improvements
 Palm Beach County Project No. 2013519

Basic Services

Roadway Plans (Lump Sum) (ARCADIS)	✓	\$ 89,809.43
Traffic Signalization Plans (Lump Sum) (Simmons & White, Inc.)	✓	\$ 12,837.26
Right of Way Mapping (Lump Sum) (ARCADIS)	✓	\$ 16,586.08
Phase II Environmental Investigation (NTE) (ARCADIS)	✓	\$ 5,128.70

Total Basic Services ✓ \$ 124,361.47

Reimbursable Expenses

Geotechnical Engineering (NTE) (Tierra South Florida)	✓	\$ 3,080.00
Drilling Contractor (NTE)	✓	\$ 1,690.00
Laboratory Plus (NTE)	✓	\$ 3,655.00
Subcontractor Markup for Laboratory & Driller (NTE)	✓	\$ 267.25
Sketch & Legal Descriptions (5 @ \$400/each) (NTE)	✓	\$ 2,000.00
Title Searches (assume 4 @ \$750 each) (NTE)	✓	\$ 3,000.00
Utility Locating Field Services (InfraMap) (NTE)	✓	\$ 3,975.00

Total Reimbursable Expenses ✓ \$ 17,667.25

Optional Services

Traffic Signalization Plans (NTE) (Simmins & White, Inc.)	✓	\$ 7,108.48
Geotechnical Engineering (NTE) (Tierra South Florida)	✓	\$ 5,170.00

Total Optional Services ✓ \$ 12,278.48

Total Fee ✓ \$ 154,307.20

ARCADIS US, INC.
ESTIMATE OF WORK EFFORT FOR ENGINEERING
 Northlake Boulevard & Military Trail
 INTERSECTION IMPROVEMENTS
 PBCo. Project No 2013519

Total Contract Cost Computations	\$	30,259.24
Total Activity Salary Costs		
(a) Overhead Additives:		
(a1) Combined OH Percent		✓ 165.00%
(a2) Combined OH Cost	\$	✓ 49,927.75
Subtotal (Salary + Overhead)	\$	✓ 80,186.99
(b) Operating Margin Percent		✓ 12.00%
(b) Operating Margin Cost	\$	✓ 9,622.44
Subtotal (Salary Related Cost)	\$	89,809.43
Subtotal (Cost Elements of Basic Activities)	\$	✓ 89,809.43

TOTAL BASIC SERVICES \$ ✓ 89,809.43

Optional Services

TOTAL OPTIONAL SERVICES \$

Reimbursable Expenses

TOTAL REIMBURSABLE ITEMS \$

LUMP SUM =	\$ ✓ 89,809.43
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✓ 2.96 multiplier

Exhibit "A" - Page 7 of 51

ARCADIS US, INC.
 ESTIMATE OF WORK EFFORT FOR ENGINEERING
 Northlake Boulevard & Military Trail
 Intersection Improvements
 PBCo. Project No 2013519

	PROJECT MANAGER		PROJECT ENGINEER		CADD/DRAFTSMAN		ACTIVITY TOTAL MAN HOURS
	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	
DESIGN ANALYSIS	✓ 106.0	\$ ✓ 49.54	✓ 4.0	\$ ✓ 37.06	✓ 22.0	\$ ✓ 19.22	✓ 132.0
DRAINAGE ANALYSIS	✓ 32.0	\$ 49.54	-	\$ 37.06	-	\$ 19.22	✓ 32.0
ROADWAY PLANS	✓ 162.0	\$ 49.54	-	\$ 37.06	✓ 188.0	\$ 19.22	✓ 350.0
UTILITIES	✓ 50.0	\$ 49.54	-	\$ 37.06	✓ 34.0	\$ 19.22	✓ 84.0
PERMITTING	✓ 136.0	\$ 49.54	-	\$ 37.06	-	\$ 19.22	✓ 136.0
SIGNING & PAVEMENT MARKING PLANS	✓ 19.0	\$ 49.54	-	\$ 37.06	✓ 21.0	\$ 19.22	✓ 40.0
TOTALS	✓ 505.0		✓ 4.0		✓ 265.0		✓ 774.0

DESIGN ANALYSIS		\$ 5,251.24		\$ 148.24		\$ 422.84
DRAINAGE ANALYSIS		\$ 1,585.28		\$ -		\$ -
ROADWAY PLANS		\$ 8,025.48		\$ -		\$ 3,613.36
UTILITIES		\$ 2,477.00		\$ -		\$ 653.48
PERMITTING		\$ 6,737.44		\$ -		\$ -
SIGNING & PAVEMENT MARKING PLANS		\$ 941.26		\$ -		\$ 403.62
TOTALS		\$ 25,017.70		\$ ✓ 148.24		\$ ✓ 5,093.30 \$ ✓ 30,259.24

	BY ACTIVITY	COST FOR ACTIVITY	HOURLY RATE
DESIGN ANALYSIS	132.0	\$ 5,822.32	44.11
DRAINAGE ANALYSIS	32.0	\$ 1,585.28	49.54
ROADWAY PLANS	350.0	\$ 11,638.84	33.25
UTILITIES	84.0	\$ 3,130.48	37.27
PERMITTING	136.0	\$ 8,737.44	49.54
SIGNING & PAVEMENT MARKING PLANS	40.0	\$ 1,344.88	33.62
TOTALS	774.0	\$ 30,259.24	\$39.09

Average per hour

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 2 - DRAINAGE DESIGN & ANALYSIS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	PROJECT MANAGER	PROJECT ENGINEER	CADD / DRAFTSMAN	REMARKS
1. Design of Cross Drains	Ea.				0				
2. Drainage Maps	Sheet				0				
3. Design of Outfall Ditches	Ea.				0				
4. Interchange Drainage Design	Ea.				0				
5. Design of Storm Sewers	Ea.				0				
6. Drainage Design	Ea.	1	24		24	24.0			
7. FDOT Drainage Report	L.S.	1	8		8	8.0			
8. Preparation of Bridge Hydraulics Report	Ea.				0				
9.					0				
10					0				
11					0				
SUBTOTAL THIS SHEET					✓ 32	✓ 32	0	0	

Exhibit "A" - Page 10 of 51

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 3 - ROADWAY PLANS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	PROJECT MANAGER	PROJECT ENGINEER	CADD / DRAFTSMAN	REMARKS
1. Key Map	Sheet	1	4	1	4	1.0		3.0	
2. Typical Section & Notes	Sheet	1	8	1	8	2.0		6.0	
3. Summary of Quantities	Each	1	8	1	8	4.0		4.0	
4. Plan & Profiles	Sheet	2	80	2	160	64.0		96.0	
5. Intersection Details (Grading Sheet)	Each	1	16	1	16	8.0		8.0	
6. Conceptual Traffic Control Plans	Sheet	1	6	4	24	8.0		16.0	
7. Traffic Warrants	L.S.				0				
8. Computation Booklet	L.S.	1	24		24	24.0			
9. Miscellaneous Construction Details	L.S.	1	8	1	8	2.0		6.0	
10. Drainage Structure Sheets	Sheet	1	10	1	10	3.0		7.0	
11. Cross-Sections	Ea.	8	8		64	26.0		38.0	
12. Baseline Control	Sheet	1	6	1	6	2.0		4.0	
13. Cost Estimates	Each	3	4		18	18.0			
SUBTOTAL THIS SHEET					✓ 350	✓ 162	0	✓ 188	

Exhibit "A" - Page 11 of 51

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 4- UTILITIES / RAILROADS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	PROJECT MANAGER	PROJECT ENGINEER	CADD / DRAFTSMAN	REMARKS
1. Initial Contact	Ea.	1	2		2	2.0			
2. Prepare Utility Adjustment Sheets	Sheet	2	8	2	16	6.0		10.0	
3. Coordination with Utility Companies	Ea.	1	22		22	14.0		8.0	
4. Utility Pothole Meeting	Ea.	1	14		14	6.0		8.0	
5. Final Utility Meeting	Ea.	1	10		10	6.0		4.0	
6. Pre Work Meeting	Ea.	1	4		4	4.0			
7. Utility Relocation Schedules & Agreements	L.S.	1	8		8	8.0			
8. Plotting utility pothole data	L.S.	1	8		8	4		4	
					0				
TOTAL					✓ 84	✓ 50.0	0	✓ 34.0	

Exhibit "A" - Page 12 of 51

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 5 - ENV. SERVICES / PERMITS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	PROJECT MANAGER	PROJECT ENGINEER	CADD / DRAFTSMAN	REMARKS
1. Preliminary Field Review	L.S.		2		0				
2. Agency Coordination (Includes all Phases)	L.S.		4		0				
3. Establish Wetland Jurisdictional Lines	L.S.		0		0				
4. Agency Field Review	L.S.		8		0				
5. Prepare Wetland Resource / Dredge & Fill Permit Application	L.S.		16		0				
6. Prepare Stormwater Mgmt. & Surface Water Permit Application (SFWMD)	L.S.	1	24		24	24.0			
7. FPL / FDOT / PBCo. Traffic Signal Meetings	L.S.	1	8		8	8.0			
8. Prepare FDOT Permit Application	L.S.	1	24		24	24.0			
9. Address FDOT comments	L.S.	1	80		80	80.0			
10.	L.S.		16		0				
11 Mitigation Coordination and Meetings	L.S.		24		0				
SUBTOTAL THIS SHEET					✓ 136	✓ 136	0	0	

Exhibit "A" - Page 13 of 51

HIGHWAY TASK LIST

ACTIVITY: B, SIGNING & PAVEMENT MARKINGS

SUBACTIVITY: NONE

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	PROJECT MANAGER	PROJECT ENGINEER	CADD / DRAFTSMAN	REMARKS
1. Key Sheet	Sheet	1	4	1	4	1		3	
2. General Notes	Sheet		4		0				
3. Tabulation of Quantities	Sheet	1	8		8	8			
4. Plan Sheets	Sheet	2	8	2	16	4		12	
5. Guide Sign Worksheet	EA	1	8	1	8	2		6	
6. Quantity Computation booklet	EA	1	4		4	4			
7. Special Marking Details	EA	1	1		0				
8. Sign Details	Sheet		0		0				
9. Metal / Concrete Pole Details	EA		0		0				
10. Service Point Details	EA		0		0				
11. C.E.S. / Summary of Pay Items	L.S.		0		0				
12. Special Provisions	L.S.		0		0				
SUBTOTAL					✓ 40	✓ 19	0	✓ 21	

Exhibit "A" - Page 14 of 51

ARCADIS US, INC.
ESTIMATE OF WORK EFFORT FOR ENGINEERING
 Northlake Boulevard & Military Trail
INTERSECTION IMPROVEMENTS
 PBCo. Project No 2013519
 Right of Way Survey

Total Contract Cost Computations	\$	5,588.30
Total Activity Salary Costs		
(a) Overhead Additives:		
(a1) Combined OH Percent	✓	165.00%
(a2) Combined OH Cost	\$	✓ 9,220.70
Subtotal (Salary + Overhead)	\$	✓ 14,809.00
(b) Operating Margin Percent	✓	12.00%
(b) Operating Margin Cost	\$	✓ 1,777.08
Subtotal (Salary Related Cost)	\$	16,586.08
Subtotal (Cost Elements of Basic Activities)	\$	16,586.08

TOTAL BASIC SERVICES \$ ✓ 16,586.08

Optional Services

TOTAL OPTIONAL SERVICES \$

Reimbursable Expenses

TOTAL REIMBURSABLE ITEMS \$

LUMP SUM = \$ ✓ 16,586.08

✓ 2.96 multiplier

ARCADIS US, INC.
ESTIMATE OF WORK EFFORT FOR ENGINEERING
 Northlake Boulevard & Military Trail
 INTERSECTION IMPROVEMENTS
 Pcco, Project No. 2013519
 Right Of Way Survey

	Project Surveyor		Survey Crew		Designer		ACTIVITY TOTAL MAN HOURS
	MAN	HOURLY	MAN	HOURLY	MAN	HOURLY	
	HOURS	RATE	HOURS	RATE	HOURS	RATE	
DESIGN ANALYSIS	70.0	\$ 33.21	35.0	\$ 38.56	66.0	\$ 29.00	171.0
DRAINAGE ANALYSIS	-	\$ 33.21	-	\$ 38.56	-	\$ 29.00	-
ROADWAY PLANS	-	\$ 33.21	-	\$ 38.56	-	\$ 29.00	-
UTILITIES	-	\$ 33.21	-	\$ 38.56	-	\$ 29.00	-
PERMITTING	-	\$ 33.21	-	\$ 38.56	-	\$ 29.00	-
SIGNING & PAVEMENT MARKING PLANS	-	\$ 33.21	-	\$ 38.56	-	\$ 29.00	-
TOTALS	70.0		35.0		66.0		171.0

DESIGN ANALYSIS	\$ 2,324.70	\$ 1,349.60	\$ 1,914.00
DRAINAGE ANALYSIS	\$ -	\$ -	\$ -
ROADWAY PLANS	\$ -	\$ -	\$ -
UTILITIES	\$ -	\$ -	\$ -
PERMITTING	\$ -	\$ -	\$ -
SIGNING & PAVEMENT MARKING PLANS	\$ -	\$ -	\$ -
TOTALS	\$ 2,324.70	\$ 1,349.60	\$ 1,914.00

	BY ACTIVITY	COST FOR ACTIVITY	HOURLY RATE
DESIGN ANALYSIS	171.0	\$ 5,588.30	32.68
DRAINAGE ANALYSIS	-	\$ -	#DIV/0!
ROADWAY PLANS	-	\$ -	#DIV/0!
UTILITIES	-	\$ -	#DIV/0!
PERMITTING	-	\$ -	#DIV/0!
SIGNING & PAVEMENT MARKING PLANS	-	\$ -	#DIV/0!
TOTALS	171.0	\$ 5,588.30	\$32.68

Average per hour

HIGHWAY TASK LIST

ACTIVITY: A. RIGHT OF WAY SURVEY

SUBACTIVITY: 1 - Right of Way Survey

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/UNIT	NO. OF SHEETS	TOTAL HOURS	Project Surveyor	Survey Crew	Designer	REMARKS
1. Health & Safety Plan	L.S.	1	2		2	2.0			
2. Tailgate Meetings	L.S.	1	2		2		2.0		
3. Gather Reference Material	LS	1	3		3	3.0			
4. Baseline Control Survey	Ea	1	69		69	20.0	33.0	16.0	
5. Preliminary Right Of Way Map	L.S.	1	40		40	15.0		25.0	
6. Final Right Of Way Map	L.S.	1	29		29	12.0		17.0	
7. FDOT Meetings & Coordination	L.S.	1	8		8	8.0			
8. FDOT Baseline Submittal	L.S.	1	1		1	1.0			
9. FDOT Baseline Meeting	L.S.	1	4		4	4.0			
10. Control Survey Drawing	L.S.	1	8		8			8.0	
11. QA/QC	L.S.	1	5		5	5.0			
SUBTOTAL THIS SHEET					✓ 171	✓ 70	✓ 35	✓ 66	

Exhibit "A" - Page 17 of 51

ARCADIS
ESTIMATE OF WORK EFFORT FOR ENGINEERING
 Northlake Boulevard & Military Trail
 Intersection Improvements
 PALM BEACH COUNTY PROJECT NUMBER 2011501
 Phase II Environmental Assessment

Total Contract Cost Computations	\$	1,728.00
Total Activity Salary Costs		
(a) Overhead Additives:		
(a1) Combined OH Percent		✓ 165.00%
(a2) Combined OH Cost	\$	✓ 2,851.20
Subtotal (Salary + Overhead)	\$	✓ 4,579.20
(b) Operating Margin Percent		✓ 12.00%
(b) Operating Margin Cost	\$	✓ 549.50
Subtotal (Salary Related Cost)	\$	5,128.70
Subtotal (Cost Elements of Optional Services)	\$	✓ 5,128.70

TOTAL HOURLY NOT TO EXCEED AMOUNT \$ ✓ 5,128.70

Reimbursable Expenses

Drilling Contractor	\$	✓ 1,690.00
Laboratory Plus	\$	✓ 3,655.00
Subcontractor Markup (5%)	\$	✓ 267.25

2.96 multiplier

Hourly Not To Exceed =	\$	✓ 10,740.85
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ARCADIS
 ESTIMATE OF WORK EFFORT FOR ENGINEERING
 Northlake Boulevard & Military Trail
 Intersection Improvements
 PBCo Project 2011501
 Phase II Environmental Assessment

	Project Manager		Staff Scientist		Designer		MAN HOURS	HOURLY RATE	ACTIVITY TOTAL MAN HOURS
	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE			
HASP	2.0	\$ 49.50	6.0	\$ 28.00	0.5	\$ 29.00	-	-	8.5
Field Work	5.0	\$ 49.50	15.00	\$ 28.00	-	-	-	-	20.0
Report Preparation	8.0	\$ 49.50	6.00	\$ 28.00	4.0	\$ 29.00	-	-	18.0
Groundwater Testing & Review	2.0	\$ 49.50	-	-	-	-	-	-	2.0
TOTALS	17.0		27.0		4.5				48.5

	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	ACTIVITY TOTAL MAN HOURS
HASP		\$ 99.00		\$ 168.00		\$ 14.50		\$ -	
Field Work		\$ 247.50		\$ 420.00		\$ -		\$ -	
Report Preparation		\$ 396.00		\$ 168.00		\$ 116.00		\$ -	
Groundwater Testing & Review		\$ 99.00		-		\$ -		\$ -	
TOTALS		\$ 841.50		\$ 756.00		\$ 130.50		\$ -	1,728.00

	BY ACTIVITY	COST FOR ACTIVITY	HOURLY RATE
			#DIV/0!
HASP	8.5	\$ 281.50	
Field Work	20.0	\$ 687.50	
Report Preparation	18.0	\$ 680.00	
Groundwater Testing & Review	2.0	\$ 99.00	
TOTALS	48.5	\$ 1,728.00	\$35.63 Average per hour

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SIMMONS WHITE
ENGINEERING | PLANNING | CONSULTING | SINCE 1982

November 13, 2012
Revised 12/04/2012
Revised 12/18/2012
Revised 01/08/2013
Revised 01/11/2013

ARCADIS US, Inc.
2081 Vista Parkway, Suite 200
West Palm Beach, Florida 33411

Attention: Mr. Hank Deibel, P.E.

Reference: Northlake Boulevard at Military Trail
Intersection Improvements
Palm Beach County, Florida

Dear Mr. Deibel:

We are pleased to submit the following proposal for professional services in connection with the determination of feasibility to modify the existing strain pole signal system to accommodate widening on the east approach for a right turn lane at the above referenced project and if not modify, then determine the feasibility to construct a mast arm signal system at the intersection. If feasibility is determined, the final construction plans will be provided. Simmons & White, Inc., hereinafter referred to as the Consultant, proposes to furnish professional services for ARCADIS US, Inc., hereinafter referred to as the Client of the scope outlined below for the fees stipulated herein.

Scope of Services

The Consultant will perform analysis and design of signalization improvements for the above referenced intersection:

Feasibility Study - A study will determine the feasibility of constructing a signal for the proposed widening of the east approach to the intersection. The study will be performed in two phases. Note: Preliminary roadway widening will be provided by ARCADIS. Subsurface utility exploration will be provided by Inframap as needed for each Phase.

_____ Int.

Mr. Henry Deibel, P.E.
November 13, 2012 – Page 2
Revised 12/04/2012
Revised 12/18/2012
Revised 01/08/2013
Revised 01/11/2013

Scope of Services (Continued)

BASIC SERVICES

1. **Feasibility Study Phase One** - The structural soundness and constructability of modifying the existing strain pole system will be analyzed. This will require preliminary design of the strain pole modifications. Structural calculations will be coordinated with FDOT Structures. Utility conflicts will be coordinated to determine the constructability of a strain pole system. Potential Right-of-Way takes for the corner clip on the northeast corner will be determined and analyzed. Note: Utility coordination is managed by Palm Beach County. The Consultant will provide all necessary plans for coordination with utilities and attend all meetings as coordinated by the County. Right-of-Way costs will be determined by others. Feasibility and costs will be provided for inclusion in the overall report created by Client on behalf of the County.

2. **Strain Pole Structural Analysis** – Structural analysis will be provided for a strain pole design during the Feasibility Phase One. This phase will include coordination with FDOT to determine their acceptance of proposed structures. Calculations will consider the loads placed on the poles and cables, which include the signal heads, signing, lighting and wind loads. These calculations will be included with the plans and submitted for approval during the permitting process.

NOTE: Structural analysis requires soils information to estimate foundation bearing pressure and to develop the appropriate support/foundation structure. Therefore, Item 2 assumes soils testing will be provided by the Client (see Items to be furnished by the Client at No Expense to the Consultant). The Client must provide a signed and sealed geotechnical report and appropriate FDOT soils sheets verifying the soil conditions as required by FDOT during the permitting process.

3. **Signalization Plans** – Prepare Signalization Plans in the standard plan format 11" x 17", and at a scale of 1" = 40'. For the purpose of this proposal, it is understood that the Client will provide all topographic survey and proposed roadway and pavement marking and signing improvements in electronic CADD file format that will be necessary to complete the signalization design as required by the permitting authority and maintaining agency.

_____ Int.

Mr. Henry Deibel, P.E.
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Revised 01/08/2013
Revised 01/11/2013

Scope of Services (Continued)

This includes horizontal and vertical features as they relate to the subject intersections, with minimal vertical data at the curb returns, pole locations and roadway crown, which is required to verify structural requirements for the Florida Department of Transportation.

The traffic signals will be designed in accordance with Florida Department of Transportation (FDOT) and Palm Beach County design criteria in conjunction with criteria established in the Manual of Uniform Traffic Control Devices (MUTCD). Detailed information will include signal head type and locations, signal phasing/sequencing diagram, preemption timing chart, vehicle detection chart, pedestrian actuation, signal pole locations, stop bars, pedestrian crosswalks, traffic lane lines and other appropriate details. The Consultant will coordinate with the maintaining agency to ensure that the signal hardware is compatible with other signals in their system.

The following sheets will comprise the Signalization Plan set:

- a. Key Sheet – A key sheet for the project will be prepared indicating the project number, County name, street name, Plan Index and other appropriate general construction data.
 - b. Quantities Sheet – The quantities sheet will include a tabulation of items, descriptions and quantities of materials and type of work.
 - c. General Notes – General notes referencing pay items or indicating special design information such as but not limited to controller operations or maintenance of traffic will be provided.
 - d. Signalization Plans – All items necessary to construct the proposed signal modifications.
 - e. Signalization Detail Sheets – Signalization detail sheets required by maintaining agency and FDOT for approval.
4. **FDOT Permit Approval Process** - We will meet or respond in writing with FDOT staff, to address the signal plans and resolve all comments.

_____ Int.

Mr. Henry Deibel, P.E.
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Revised 12/04/2012
Revised 12/18/2012
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Revised 01/11/2013

Scope of Services (Continued)

NOTE: This Item assumes that the signal plans will be part of a FDOT permit submittal prepared by the Client on behalf of Palm Beach County and the Consultant will only be required to participate in permitting as it relates to the signalization portion of the permit package.

OPTIONAL SERVICES

5. **Feasibility Study Phase Two** - If a strain pole is determined unfeasible the study will analyze the constructability of mast arms, including any potential Right-of-Way takes on all four corners that may be necessary to construct mast arms. This will require preliminary design of the mast arm signal system. The study will consider utility conflicts and all other constructability concerns. Feasibility and costs will be provided for inclusion in the overall report created by Client on behalf of the County.
6. **Mast Arm Structural Analysis** – Structural analysis will be provided for mast arms during feasibility Phase Two. These calculations will be included with the plans and submitted for approval during the permitting process.
7. Provide services during construction as required to certify the completed project to the governing agencies, in general accordance with Attachment "A".
8. Revisions to the above based on Site Plan and/or Roadway, Signing and Pavement Marking Plan changes, governing agencies requests for additional information, or items beyond the Control of the Consultant will be provided on an as-needed basis at our current hourly billing rates, with a maximum specified limit. Anything above the upset limit will be confirmed with the Client prior to work being completed by the Consultant.
9. Additional services requested by the Client and agreed to by the Consultant such as, but not limited to, preparation of preliminary cost estimates, assistance with bidding, additional meetings, utility relocation plan preparation, special mast arm or foundation designs or details, or traffic control plans.

_____ Int.

Mr. Henry Deibel, P.E.
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Revised 12/04/2012
Revised 12/18/2012
Revised 01/08/2013
Revised 01/11/2013

Items to be Furnished by the Client
at No Expense to the Consultant

Assist the Consultant by placing at his disposal all available pertinent information relative to the project.

Furnish at no cost to the Consultant:

1. Name and address of property owner and copy of the last recorded Warranty Deed.
2. All permit application and governmental fees.
3. Approved, workable and accurate Roadway, Signing and Pavement Marking Plans.
4. Complete Conditions of Approval imposed during the planning and zoning process.
5. Soil borings and analysis.
6. Construction testing.
7. Traffic counts, if required.
8. All surveying including, but not limited to, property, boundary, easement, right of way, topographic, permanent reference monuments, permanent control points, utility surveys, property descriptions and construction staking, As-built surveys of constructed improvements, and existing utility locations on and adjacent to the property including but not limited to FP&L, AT&T, Cable T.V. & Gas.
9. "Soft-dig" report showing horizontal and vertical location of existing utilities within off-site utility routed and connection locations.
10. Utility coordination management via the County's Utility coordinator.

_____ Int.

Mr. Henry Deibel, P.E.
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Revised 12/04/2012
Revised 12/18/2012
Revised 01/08/2013
Revised 01/11/2013

Items to be Furnished by the Client
at No Expense to the Consultant (Continued)

In addition to the above, other special data, all of which the Consultant will rely upon in performing services.

It is agreed and understood that the accuracy and veracity of said information and data may be relied upon by the Engineer without independent verification of the same.

Time of Performance

The Scope of Services will be completed within a time frame to be mutually agreed upon except for delays beyond the control of the Consultant.

Fees to be Paid

The Consultant shall be paid a lump sum fee for the following Items in the Scope of Services:

<u>Basis Services</u>		<u>Optional Services</u>	
Item 1	=	\$5,788.76	Item 5 = \$5,158.90
Item 2	=	\$2,099.55	Item 6 = \$1,949.58
Item 3	=	\$3,149.33	
Item 4	=	\$1,799.62	

For the purpose of this proposal, we are not anticipating projected costs for Items 7, 8 and 9.

_____ Int.

Mr. Henry Deibel, P.E.
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Revised 12/04/2012
Revised 12/18/2012
Revised 01/08/2013
Revised 01/11/2013

Fees to be Paid (Continued)

Payments shall be made upon monthly billing, payable within 21 days from the date of invoice. Any billing dispute or discrepancy shall be set forth in writing and delivered to Simmons & White, Inc. prior to the due date for payment. Any matter not set forth in writing and delivered prior to the due date shall be deemed waived and the invoice shall be deemed correct and due in full. Past due payments shall include interest from the date of invoice at a simple interest rate of 1-1/2 percent per month.

In the event any invoice or any portion thereof remains unpaid for more than forty-five (45) days following the invoice date, the Consultant may initiate legal proceedings to collect the same and recover, in addition to all amounts due and payable, including accrued interest, its reasonable attorney's fees and other expenses related to the proceeding. Such expenses shall include, but not be limited to the cost, determined by the Consultant's normal hourly billing rates, of the time devoted to such proceeding by its employees.

Termination

This Agreement may be terminated by either party by giving three (3) days advance written notice. The Consultant shall be paid for services rendered to the date of termination on the basis of a reasonable estimate of the portion of services completed prior to termination and shall be paid for all reasonable expenses resulting from such termination and for any unpaid reimbursable expenses.

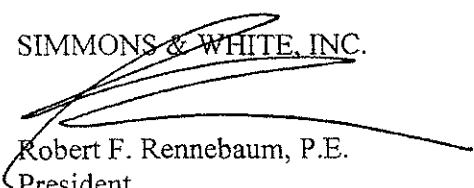
Mr. Henry Deibel, P.E.
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Revised 01/08/2013
Revised 01/11/2013

Acceptance

Acceptance of this proposal may be indicated by the signature of a duly authorized official of the Client in the space provided below. One signed copy of this proposal, along with Item I under "Items to be Furnished by the Client", returned to the Consultant will serve as an Agreement between the two parties and as Notice to Proceed. (By his signature, the Client certifies that he has sufficient funds reserved to pay for these professional services.) Should this proposal not be accepted within a period of 60 days from the above date, it shall become null and void.

Very truly yours,

SIMMONS & WHITE, INC.


Robert F. Rennebaum, P.E.
President

Accepted by:

ARCADIS US, Inc.

Signature: _____

Company/Individual: _____

Title: _____

Date: _____

Please fill in the following information and/or attach a business card when returning your signed proposal.

Client's Telephone: () _____

Client's Facsimile: () _____

Client's E-Mail Address: _____

SIMMONS and WHITE
ESTIMATE OF WORK EFFORT FOR ENGINEERING
Northlake and Military Feasibility
TRAFFIC SIGNAL DESIGN

	Senior Engineer				Senior Designer		ACTIVITY TOTAL
	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	MAN HOURS
FEASIBILITY REPORT	63.0	\$ 50.00		\$ 32.00	32.0	\$ 30.00	95.0
SIGNAL ANALYSIS	23.0	\$ 50.00	-	\$ 32.00	18.0	\$ 30.00	41.0
ROADWAY PLANS	-	\$ 50.00	-	\$ 32.00	-	\$ 30.00	-
UTILITIES	-	\$ 50.00	-	\$ 32.00	-	\$ 30.00	-
PERMITTING	-	\$ 50.00	-	\$ 32.00	-	\$ 30.00	-
SIGNAL PLANS	5.0	\$ 50.00	-	\$ 32.00	20.0	\$ 30.00	25.0
SIGNING & PAVEMENT MARKING PLANS	-	\$ 50.00	-	\$ 32.00	-	\$ 30.00	-
TOTALS	91.0				70.0		161.0

DESIGN ANALYSIS	\$ 3,150.00	\$ -	\$ 960.00	
DRAINAGE ANALYSIS	\$ 1,150.00	\$ -	\$ 540.00	
ROADWAY PLANS	\$ -	\$ -	\$ -	
UTILITIES	\$ -	\$ -	\$ -	
PERMITTING	\$ -	\$ -	\$ -	
SIGNAL PLANS	\$ 250.00	\$ -	\$ 600.00	
SIGNING & PAVEMENT MARKING PLANS	\$ -	\$ -	\$ -	
TOTALS	\$ 4,550.00	\$ -	\$ 2,100.00	\$ 6,650.00

	BY ACTIVITY	COST FOR ACTIVITY	HOURLY RATE
DESIGN ANALYSIS	95.0	\$ 4,110.00	43.26
DRAINAGE ANALYSIS	41.0	\$ 1,690.00	41.22
ROADWAY PLANS	-	\$ -	#DIV/0!
UTILITIES	-	\$ -	#DIV/0!
PERMITTING	-	\$ -	#DIV/0!
SIGNAL PLANS	25.0	\$ 850.00	34.00
SIGNING & PAVEMENT MARKING PLANS	-	\$ -	#DIV/0!
TOTALS	161.0	\$ 6,650.00	\$41.30

Average per hour

Exhibit "A" - Page 29 of 51

SIMMONS and WHITE
ESTIMATE OF WORK EFFORT FOR ENGINEERING
 Northlake and Military Feasibility
TRAFFIC SIGNAL DESIGN

Total Contract Cost Computations	\$	6,650.00
Total Activity Salary Costs		
(a) Overhead Additives:		
(a1) Combined OH Percent		167.80%
(a2) Combined OH Cost	\$	✓ 11,158.70
Subtotal (Salary + Overhead)	\$	✓ 17,808.70
(b) Operating Margin Percent		12.00%
(b) Operating Margin Cost	\$	✓ 2,137.04
Subtotal (Salary Related Cost)	\$	19,945.74
Subtotal (Cost Elements of Design Activities)	\$	✓ 19,945.74

TOTAL SERVICES \$ ✓ **19,945.74**

REIMBURSABLE ITEMS (Limiting Amount)

TOTAL REIMBURSABLE ITEMS \$

LUMP SUM=	\$	✓ 19,945.74
------------------	-----------	--------------------

✓ 3.0 multiplier

nd Militar

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 1 - SIGNAL FEASIBILITY ANALYSIS

TASK NO.	TASK	UNITS	NO. OF UNITS	HOURS/ UNITS	TOTAL HOURS	COMMENTS
1	Traffic Data Collection	LS	0	0	0	assume traffic data provided
2	Intersection Field Data Collection	PI	1	3	3	
3	Utilities Coordination	LS	1	8	8	feasibility of strain and mast arms meetings, assumes PBC lead on utility coordination
4	System Timings	LS	0	0	0	no timings in scope
5	Reference and Master Signalization Design File	PI	1	12	12	1 - 35% Strain pole design & 1 - 35% mast arm design
6	Reference and Master Interconnect Communication Design File	LS	1	0	0	
7	Overhead Street Name Design	EA	1	0	0	
8	Pole Elevation/Structural Analysis	EA	1	20	20	atlas run for entire system and mast arm prelim analysis
9	Traffic Signal Operation Report	LS	1	12	12	feasibility report
10	Quantities	LS	1	0	0	
11	Cost Estimate	LS	2	2	4	1-strain pole and 1-mast arm prelim est
12	Technical Special Provisions	LS	0	0	0	
Signalization Analysis Technical Subtotal					59	

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HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 1. SIGNAL FEASIBILITY ANALYSIS

TASK NO.	TASK	UNITS	NO. OF UNITS	HOURS/ UNITS	TOTAL HOURS	COMMENTS
13	Field Reviews	LS	1	2	2	Design reviews with Utilities
14	Technical Meetings	LS	1	3	3	Meetings with PBC/FDOT/FPL
15	Quality Assurance/Quality Control	LS	0	0	0	
16	Independent Peer Review	LS	0	0	0	
17	Supervision	LS	1	4	4	
Signalization Analysis Nontechnical Subtotal					✓ 9	
18	Coordination/FDOT/Permitting	LS	1	12	12	Coordination with SUE, ARCADIS, PBC, FDOT Structures, FDOT JPA, FDOT ROW
Signalization Analysis Total					✓ 80	

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HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 2 - SIGNAL FEASIBILITY PLANS

TASK NO.	TASK	UNITS	NO. OF UNITS	HOURS/ UNITS	NO. OF SHEETS	TOTAL HOURS	COMMENTS
1.	Key Sheet	Sheet	1	1	1	1	location map for report
2.	Summary of Pay Items	Sheet	0	0	0	0	
3.	Tabulation of Quantities	Sheet	1	0	0	0	
4.	General Notes/Pay Item Notes	Sheet	1	0	0	0	
5.	Plan Sheet	Sheet	2	2	2	4	1 strain/1 mast arm
6.	Interconnect Plans	Sheet	0	0	0	0	0
7.	Traffic Monitoring Site	EA	0	0	0	0	
8.	Guide Sign Work Sheet	EA	1	0	0	0	
9.	Special Details	Sheet	1	0	0	0	
10.	Special Service Point Details	EA	0	0	0	0	
11.	Mast Arm Details Sheet	PI	1	2	0	2	
12.	Strain Pole Schedule	PI	1	2	0	2	
SUBTOTAL THIS SHEET						9	

Exhibit "A" - Page 33 of 51

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 2 - SIGNAL FEASIBILITY PLANS

TASK NO.	TASK	UNITS	NO. OF UNITS	HOURS/ UNITS	NO. OF SHEETS	TOTAL HOURS	COMMENTS
13	TCP Signal (Temporary)	EA	0	0	0	0	
14	Temporary Detection Sheet	PI	0	0	0	0	
15	Utility Conflict Sheets	Sheets	0	0	0	0	
16	Interim Standards	LS	0		0	0	
Signalization Plans Technical Subtotal						✓ 9	
17	Quality Assurance/Quality Control		0	0	0	0	
18	Supervision		1	6	0	6	
Signalization Plans Total						✓ 15	

Total of 95 80

Exhibit "A" - Page 34 of 51

Military I

HIGHWAY TASK LIST

ACTIVITY: A ROADWAY PLANS PACKAGE

SUBACTIVITY: 1 - SIGNALIZATION ANALYSIS

TASK NO.	TASK	UNITS	NO. OF UNITS	HOURS/ UNITS	TOTAL HOURS	COMMENTS
1	Traffic Data Collection	LS	0	0	0	assume traffic data provided
2	Intersection Field Data Collection	PI	1	1	1	
3	Utilities Coordination	LS	1	2	2	final design
4	System Timings	LS	0	0	0	no timings in scope
5	Reference and Master Signalization Design File	PI	1	8	8	
6	Reference and Master Interconnect Communication Design File	LS	1	2	2	placing interconnect in plans per Rod ITS markups
7	Overhead Street Name Design	EA	1	3	3	New signs for mast arms
8	Pole Elevation/Structural Analysis	EA	1	2	2	mast arm signal assumed, finalize from feasibility
9	Traffic Signal Operation Report	LS	0	0	0	
10	Quantities	LS	1	2	2	
11	Cost Estimate	LS	2	1	2	FDOT JPA Estimates
12	Technical Special Provisions	LS	0	0	0	
Signalization Analysis Technical Subtotal					✓ 22	

Exhibit "A" - Page 35 of 51

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 1 - SIGNALIZATION ANALYSIS

TASK NO.	TASK	UNITS	NO. OF UNITS	HOURS/ UNITS	TOTAL HOURS	COMMENTS
13	Field Reviews	LS	1	2	2	Design Field reviews + PS&E
14	Technical Meetings	LS	1	2	2	Meetings with PBC/FDOT
15	Quality Assurance/Quality Control	LS	0	0	0	
16	Independent Peer Review	LS	0	0	0	
17	Supervision	LS	1	3	3	
Signalization Analysis Nontechnical Subtotal					✓ 7	
18	Coordination/FDOT/Permitting	LS	1	12	12	Permit submitted by ARCADIS, our role is to answer comments and coordinate with FDOT
Signalization Analysis Total					✓ 41	

Exhibit "A" - Page 36 of 51

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 2 - SIGNALIZATION PLANS

TASK NO.	TASK	UNITS	NO. OF UNITS	HOURS/ UNITS	NO. OF SHEETS	TOTAL HOURS	COMMENTS
1.	Key Sheet	Sheet	1	2	1	2	
2.	Summary of Pay Items	Sheet	0	4	0	0	
3.	Tabulation of Quantities	Sheet	1	4	1	4	
4.	General Notes/Pay Item Notes	Sheet	1	3	1	3	
5.	Plan Sheet	Sheet	2	3	2	6	
6.	Interconnect Plans	Sheet	0	8	0	0	Part of plan sheet
7.	Traffic Monitoring Site	EA	0	0	0	0	
8.	Guide Sign Work Sheet	EA	1	2	0	2	
9.	Special Details	Sheet	1	2	0	2	PBC Typical
10.	Special Service Point Details	EA	0	0	0	0	
11.	Mast Arm Details Sheet	PI	1	3	1	3	
12.	Strain Pole Schedule	PI	0	0	0	0	
SUBTOTAL THIS SHEET						22	

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HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 2 - SIGNALIZATION PLANS

TASK NO.	TASK	UNITS	NO. OF UNITS	HOURS/ UNITS	NO. OF SHEETS	TOTAL HOURS	COMMENTS
13	TCP Signal (Temporary)	EA	0	0	0	0	
14	Temporary Detection Sheet	PI	0	0	0	0	
15	Utility Conflict Sheets	Sheets	0	0	0	0	
16	Interim Standards	LS	0		0	0	
Signalization Plans Technical Subtotal						22	
17	Quality Assurance/Quality Control		0	0	0	0	
18	Supervision		1	3	0	3	
Signalization Plans Total						25	

Exhibit "A" - Page 38 of 51



Revised December 13, 2012
Revised December 4, 2012
Revised November 13, 2012
August 24, 2012

ARCADIS
2085 Vista Parkway
West Palm Beach, FL 33411

Attn: Mr. Hank Deibel, Jr. P.E.

Re: **Proposal for Preliminary Geotechnical Services
Proposed Northlake Boulevard & Military Trail Intersection Improvement
Palm Beach County, Florida
TSF Proposal No.: 1208-288**

Dear Hank:

As requested, TIERRA SOUTH FLORIDA, INC. (TSF) is pleased to submit this revised proposal for the above-referenced project. The proposal is based on an email dated December 3, 2012 and revised per email dated December 13, 2012. This proposal includes an outline of our proposed scope of work, an estimate of the total fees, and our anticipated schedule for completion of the work.

PROPOSED SCOPE OF WORK

All work performed by TSF will be in general accordance with Palm Beach County and FDOT standards. The proposed scope work for the preliminary study is as follow:

- 1) We understand that the project will include 450 linear feet of roadway widening along the northeast corner of the intersections. We propose to drill a total 4 auger borings to a depth 5 feet. **(Basic Service)**
- 2) Four (4) SPT boring to a depth of 30 feet for the proposed mast arm. **(Optional Service)**

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

ARCADIS
TSF Proposal No. 1208-288

2

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

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

A geotechnical engineer will evaluate the results of all drilling and laboratory testing. A preliminary report will be issued that contains the exploration data, a discussion of the site and subsurface conditions, geotechnical recommendations for pavement design, soil parameter sign structure and a discussion of some construction considerations.

ESTIMATED FEES

It is proposed that the fee for the performance of the services outlined above be determined on a unit price basis in accordance with the attached Fee Schedule and that the work be performed pursuant to TSF's General Conditions enclosed herewith and incorporated into this proposal. **Our fee estimate assumes that the field work for both Basic and Optional Services will be performed at one time under one mobilization.**

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

SCHEDULE AND AUTHORIZATION

TSF will proceed with the work after receipt of a signed copy of this proposal. With our present schedule, we can commence work within several days of project approval (weather permitting and permit approval). The fieldwork will take about five days to complete. The written report can be submitted about two 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.

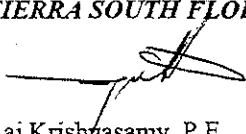
ARCADIS
TSF Proposal No. 1208-288

3

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

Respectfully submitted,

TIERRA SOUTH FLORIDA, INC.


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

- Attachments: 1. Fee Estimate (Roadway - Basic Service)
2. Fee Estimate (Mast Arm – Optional Service)

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

TIERRA SOUTH FLORIDA, INC.

	Unit	# of Units	Unit Price	Total
I. FIELD INVESTIGATION				
Mobilization of Men and Equipment Truck-Mounted Equipment	Trip	1	\$ 350.00	✓ 350.00
SPT Borings 0 - 50 ft depth	L.F.	0	\$ 12.00	\$ 0.00
Grout Boreholes 0 - 50 ft depth	L.F.	0	\$ 5.50	\$ 0.00
Casing Allowance 0 - 50 ft depth	L.F.	0	\$ 7.00	\$ 0.00
Borehole Permeability Test	Each	0	\$ 275.00	\$ 0.00
Roadway Auger Borings	L.F.	20	\$ 9.00	✓ 180.00
Traffic Control (1-man crew with safety equipments)	Each	1	\$ 800.00	✓ 800.00
Pavement Cores (2 pavement cores, MOT and Equipment)	L.S	0	\$ 850.00	\$ 0.00
II. LABORATORY TESTING				
Visual Examination by Staff Engineer	Hour	1	\$ 85.00	✓ 85.00
Natural Moisture Content Tests	Test	2	\$ 10.00	✓ 20.00
Grain-Size Analysis - Full Gradation	Test	0	\$ 60.00	\$ 0.00
Corrosion Test	Test	0	\$ 185.00	\$ 0.00
Organic Content Tests	Test	2	\$ 45.00	✓ 90.00
III. FIELD ENGINEERING AND TECHNICAL SERVICES				
Site Recon./Utility Coordination/MOT Sr. Engineering Technician	Hour	6	\$ 65.00	✓ 390.00
IIIA. ENGINEERING AND TECHNICAL SERVICES				
Principal Engineer	Hour	0	\$ 145.00	\$ 0.00
Senior Geotechnical Engineer	Hour	1	\$ 125.00	✓ 125.00
Project Engineer	Hour	8	\$ 115.00	✓ 920.00
Draftperson	Hour	2	\$ 60.00	✓ 120.00
Pavement Evaluation	Hours	0	\$ 125.00	\$ 0.00
TOTAL FEE FOR GEOTECHNICAL SERVICES-Roadway (BASIC SERVICE)				\$ ✓ 3,080.00

TIERRA SOUTH FLORIDA, INC.

	Unit	# of Units	Unit Price	Total
I. FIELD INVESTIGATION				
Mobilization of Men and Equipment Truck-Mounted Equipment	Trip	0	\$ 350.00	\$ 0.00
SPT Borings 0 - 50 ft depth	L.F.	120	\$ 12.00	\$ 1,440.00 ✓
Grout Boreholes 0 - 50 ft depth	L.F.	120	\$ 5.50	\$ 660.00 ✓
Casing Allowance 0 - 50 ft depth	L.F.	60	\$ 7.00	\$ 420.00 ✓
Borehole Permeability Test	Each	0	\$ 275.00	\$ 0.00
Roadway Auger Borings	L.F.	0	\$ 9.00	\$ 0.00
Traffic Control (1-man crew with safety equipments)	Each	1	\$ 800.00	\$ 800.00 ✓
Pavement Cores (2 pavement cores, MOT and Equipment)	L.S	0	\$ 850.00	\$ 0.00
II. LABORATORY TESTING				
Visual Examination by Staff Engineer	Hour	2	\$ 85.00	\$ 170.00 ✓
Natural Moisture Content Tests	Test	0	\$ 10.00	\$ 0.00
Grain-Size Analysis - Full Gradation	Test	0	\$ 60.00	\$ 0.00
Corrosion Test	Test	2	\$ 185.00	\$ 370.00 ✓
Organic Content Tests	Test	0	\$ 45.00	\$ 0.00
III. FIELD ENGINEERING AND TECHNICAL SERVICES				
Site Recon./Utility Coordination/MOT Sr. Engineering Technician	Hour	4	\$ 65.00	\$ 260.00 ✓
IIIA. ENGINEERING AND TECHNICAL SERVICES				
Principal Engineer	Hour	0	\$ 145.00	\$ 0.00
Senior Geotechnical Engineer	Hour	1	\$ 125.00	\$ 125.00 ✓
Project Engineer	Hour	7	\$ 115.00	\$ 805.00 ✓
Draftperson	Hour	2	\$ 60.00	\$ 120.00 ✓
Pavement Evaluation	Hours	0	\$ 125.00	\$ 0.00
TOTAL FEE FOR GEOTECHNICAL SERVICES- Mast Arms (OPTIONAL SERVICE)				\$ 5,170.00 ✓



Date: December 3, 2012

Presented to: Arcadis
2081 Vista Parkway
West Palm Beach, Florida 33411
Phone No.: (561) 697-7017
Fax No.: (561) 697-7193

Attn: Mr. Henry Deibel, P.E.

Project name: Utility Test Hole and Targeting Services
Northlake Boulevard & Military Trail
(Vicinity of New Mast Arm at the Intersection)

As requested, we have prepared this proposal for underground utility test hole services for the above referenced project. This proposal is based upon phone conversations and plans received in our office 12/03/2012.

SUBSURFACE UTILITY LOCATING BY AIR/VACUUM TEST HOLE

The intent of the proposed test hole service is to provide the actual horizontal and vertical location of existing utilities or structures at the point of interest by air/ vacuum excavation to facilitate the identification and resolution of potential design conflicts and aid in the protection of these facilities during construction.

1. From the test hole request, determine the utility records needed and the utility owning agency. Request records from these agencies either written or verbally. Attempt to get plan and profile of each utility of concern for the location of the test hole request. Gathered materials will be used as an aid in the identification of the size, depth and material of utilities to be excavated. InfraMap Corp. will make all information gathered available to the client.
2. Supply qualified personnel and provide them with the appropriate equipment, resources, transportation and field supplies to perform the requested services.
3. Coordinate with the client to determine what test holes are needed and their expected locations.
4. Coordinate with inspectors, property owners, "ONE CALL" and others as required. Comply with all laws and regulations concerning excavation. Obtain all permits needed to perform the test holes.
5. Determine in the field the actual location of the proposed improvements in possible conflict with existing utilities. This shall be accomplished by using the plan supplied by the client.
6. At the approximate point of possible conflict with the proposed improvement, excavate a test hole using air/ vacuum excavation. Provide all measures necessary to perform the work safely and to cause no damage to the utility structure. The test hole will be of the minimum size required to expose the utility of interest and record the following information:

- a. Depth below grade (cover).
 - b. Utility material, shape and overall condition.
 - c. Approximate diameter of pipes, cables, conduits and the configuration of multiple conduit systems.
 - d. The general directional trend of the utility.
 - e. Thickness, type and condition of paving material.
 - f. General soil conditions.
7. Install a permanent survey marker directly over the centerline of pipes or edge of concrete structures or conduit banks at grade. Indicate on the Test Hole Form the placement of the marker relative to the utility cross section.
 8. Backfill test hole with excavated material in 6" lifts by air pneumatic tamping. Soil placed within 1 foot of the exposed utility will be clean and tamped carefully. Backfill materials will be adequately compacted to prevent later subsidence of the test hole. Provide select backfill materials, such as insulating sands and gravels, when needed. Restore test hole area to original condition. Ribbon of appropriate APWA/ULCC color will be installed in the backfill from utility to grade.
 9. Repair and restore all pavement cuts to insure a long lasting, permanent repair. Guarantee patch for 1 year and return to repair within that time if test hole sinks more than 1/2" below original grade (permanent marker). In the event that the permitting agency does not accept cold patch as permanent repair, it is the responsibility of the client/permit holder to provide for restoration and compaction of the hole to the complete satisfaction of the permitting agency.
 10. Record the location of the permanent marker with a minimum of three (3) swing tie measurements to convenient existing permanent structures on site.
- 10a.(Optional - See Scope Statement) Survey test hole locations with a total station survey instrument and data collector relevant to the client provided project control. Process survey locations to provide northing, easting and grade/ utility elevations. Generate stations and offset for the test holes if baseline geometry is provided.
11. Cadd Test Hole Forms. Also, provide a Test Hole Inventory report to list numerically the test holes completed/ attempted.
 12. Technical limitations of small hole Air/Vacuum excavation:
In order to provide a cost effective service that causes minimal disturbance to site amenities and utilities, and is acceptable to permitting agencies, the size of the test hole excavation is kept to a minimum. A nominal size of 64 square inches (8" x 8") is the assumed size of the average test hole. Given this size excavation, the following limitations are stated for the benefit of the designer in choosing test hole locations.
 - a. The bottom/invert of pipes and large diameter cables and conduits is not directly available in most test holes. The point of measurement of these utilities is typically the crown or shallowest point on the utility. Invert information is derived from crown cover plus diameter.
 - b. The diameter of most pipes greater than 24" cannot be recovered directly from the test hole. The diameter of pipes less than 24" is determined by exposing half or all of the pipe, as needed, and directly measuring the outside diameter with a wooden rule to the nearest 1/2". If pipe diameter is critical on larger than 24" pipes, it may be necessary to perform additional holes. This type of investigation falls outside of the normal scope of test hole services and needs to be requested specifically.
 - c. Encased systems and non-encased conduit banks are typically exposed on one edge. This allows the test hole to be excavated down the side of the utility until a

discernable bottom edge can be evaluated. Although it is usually possible to determine the bottom edge of these systems, it is not possible to determine conditions under these or other utility systems, such as concrete overpour and other utilities. It is important for the designer to remember that the bottom edge of an encased system or unencased conduit bank may not represent its lowest point, and that the shape of the system may not be the same on both sides. The width of these systems may not be determined from a single test hole. Encased systems and unencased conduit banks may require two test holes to document the width (and both sides top and bottom elevations).

13. This service will be provided with due diligence and in a manner consistent with standards of the sub-surface utility locating industry. Every reasonable effort will be made to locate all utilities requested. However, we do not guarantee that all existing utility systems can be located or exposed. It may not be possible to detect utilities without prior knowledge, such as systems that are not depicted on records available to us. Further, this service is not intended to locate non-utility structures such as but not limited to: foundations, buried tanks, septic systems, wells, tunnels, concrete or metal structures etc., unless specifically mentioned in the SCOPE statement. This service represents the best available data on sub-surface utilities given a cost effective investigation using air/vacuum excavation. Use of this service does not relieve interested parties from their responsibility to make required notifications prior to excavation. Use of this service does not relieve utility owners of their responsibility to mark the location of their facilities prior to excavation. InfraMap Corp. will not be responsible for damages to utilities caused by others. InfraMap Corp. is not responsible for utilities located underneath other utilities. If records research is not part of the scope of services, utility owners or their field agent's marks will be used to identify utilities; we are not responsible for correcting mistakes made by other locators.

SUBSURFACE UTILITY TARGETING SERVICE

Specifications and Work Process

In the performance of subsurface utility targeting, InfraMap Corp. proposes to:

1. Utilize client provided records from utility companies, unless stated as an IMC function in the scope statement. Gathered materials will be used as an aid in the identification of the number, identity, size and material of utilities located in the field, and will not be used as a substitute for actual geophysical location unless the system cannot be verified electronically using industry standard techniques for this level of investigation.
2. Conduct a thorough electronic search of the site for the buried utility systems shown on records acquired. Verify that each utility has been electronically located and targeted. Also, conduct an electronic grid sweep of the site to search for utilities that do not appear on available records, and attempt to determine type. This investigation will be accomplished using active and passive type utility detection gear that detects induced or naturally occurring energy fields present on conductive utilities. This investigation is a ground penetrating radar sweep. The targeting of subsurface utilities, although highly reliable, is expressly understood to represent an approximate location of the target facility as marked on the ground surface. The accuracy of this targeting is subject to certain factors beyond our control such as limitations of available technology and field conditions that may include, but are not limited to: depth of utility, electrical conductivity of utility, site conditions and access. Where nonconductive or non-locatable utilities are present, we will attempt to use all available information to place targeting in the field for those systems and generate notes for each such utility.
3. Designators will draft field sheets that show the location, trend and configuration of utilities detected. Field sheets will show all underground utility surface features and lines, and will be prepared with colored pencil to differentiate the utility systems. Utilities will be annotated with size and project specific field notes will be shown.

4. Field sheets will be provided to the project surveyors. Survey and computer drafting will be performed by others.
5. If the client provides IMC with plots of the utility file with referenced topography, IMC will provide a final office and/ or field review. The type of review will be determined on a project by project basis depending on complexity, unless specifically prearranged. Plots or plot files being given to IMC for review should show the utilities in color with base topography grayed.
6. This service will be provided with due diligence and in a manner consistent with standards of the subsurface utility mapping industry. Every reasonable effort will be made to locate all systems of interest whether indicated on records available to us or not. However, we do not guarantee that all existing utility systems can or will be detected. It may not be possible to detect utilities without prior knowledge, such as systems that are not depicted on records available to us. Further, this service is not intended to detect non-utility structures such as but not limited to: foundations, buried tanks, septic systems, wells, tunnels, concrete or metal structures, or the true size and limits of subsurface utility vaults and manholes. This service represents the best available data on subsurface utilities given a cost effective investigation that does not involve excavation. Use of this service does not relieve interested parties from their responsibility to make required notifications prior to excavation. Use of this service does not relieve utility owners of their responsibility to mark the location of their facilities prior to excavation. InfraMap Corp. will not be responsible for damages to utilities caused by others.

SCOPE OF SERVICES

Test holes to be performed: Northlake Boulevard & Military Trail
(Vicinity of New Mast Arm at the Intersection)

Targeting: The NE Corner of Northlake Blvd. and Military Trail from Existing Edge of Pavement to +/- 15' pass the Existing Right of Way Line.

Survey to be performed by others.

CADD platform: Autocadd for test hole forms.

Project schedule: To be completed within 15 working days of NTP, weather permitting.

PROJECT ESTIMATE

12 test holes @ \$ 300.00 per hole:	=	\$3,600.00
Targeting:	Lump Sum =	<u>\$ 375.00</u>
Total Project Estimate:		<u>\$3,975.00</u>

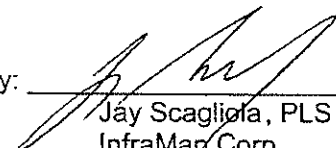
Billing will reflect actual number of test holes performed. This estimate represents a lump sum fee to perform the targeting portion of this project only. The estimate is based upon the project limits described. Should the scope of the project change or field conditions unknown to us at this time warrant, we will request additional compensation for additional work beyond this estimate. This estimate will not be exceeded without prior authorization from the client.

PAYMENT TERMS

Terms of payment are subject to modification by seller (IMC). Buyer (client) agrees to make prompt payment of invoices due in accordance with Seller's approved terms, whether for complete or partial services. Terms: Net 30 days from completion of work and receipt of invoice. If payment is contingent upon Buyer being paid by a "Third Party" for services, InfraMap Corp. (IMC) must be notified immediately of the name and address of the "Third Party". Buyer will submit invoices to the "Third Party" in a timely manner and (IMC) will receive payments from Buyer within 15 days of Buyer being paid. If this is not the case then (IMC) reserves the right to modify this clause to reflect a revised payment schedule.

Late Charge: A late payment service charge equal to 1.5% per month or the maximum charge allowed by applicable law, whichever is lower, shall be assessed on all amounts not paid when due. All accounts are net 30 days unless specifically agreed upon in writing.

Delinquency Collections: In the event Buyer fails to pay for any services when due, or should Buyer's account become otherwise delinquent, or in the event of Buyer's bankruptcy or insolvency, or in the event of Buyer's breach of this Agreement, then in any such event Seller may, at its option: (i) terminate any or all existing contracts; (ii) refuse to perform services under this or any other order; and/or (iii) avail itself of any other further remedies available to it at law or in equity. Buyer agrees to pay all cost of collection, including reasonable attorney's fees.

Presented by:  12-3-12
 Jay Scagliola, PLS Date
 InfraMap Corp.

Accepted: _____
 Authorized Signature Date

Jupiter

Environmental Laboratories, Inc

150 S. Old Dixie
Highway
Jupiter, FL 33458
(561) 575-0030

Quote

DATE	QUOTATION ...
9/14/2012	090617

Arcadis U.S.Inc
640 Plaza Dr #130
Highlands Ranch, CO 80129

PROJECT	TERMS	P O NUMBER
NLMT	Net 30	KJ

ITEM	DESCRIPTION	QTY	COST	Total
	Project# NLMT PM Rob.Crowell@arcadis-us.com Bill & Invoice to: Arcadis U.S.Inc 640 Plaza Dr #130 Highlands Ranch, CO 80129 Remit to: Jupiter Environmental Laboratories, Inc. 150 S Old Dixie Hwy Jupiter, Florida 33458			
	Soil			
VOC S	GCMS VOA/VOH Soil	3	78.00	✓ 234.00
PAH	Polynuclear Aromatic Hydrocarbons	3	110.00	✓ 330.00
FL-PRO	Total Recoverable Petroleum Hydrocarbons by FL-PRO	3	75.00	✓ 225.00
8081/8082	Organochlorine Pesticides & PCB's	3	125.00	✓ 375.00
8 RCRA Metal...	8 RCRA Metals In Soil	3	98.00	✓ 294.00
% Solids	% Solids	3	5.00	✓ 15.00
	Water			
VOC W	GC/MS VOA/VOH	3	78.00	✓ 234.00
PAH	Polynuclear Aromatic Hydrocarbons	3	110.00	✓ 330.00
FL-PRO	Total Recoverable Petroleum Hydrocarbons by FL-PRO	3	75.00	✓ 225.00
8-RCRA Meta...	8-RCRA Metals	3	98.00	✓ 294.00
8081/8082	Organochlorine Pesticides & PCB's	3	125.00	✓ 375.00
Hexavalent Chro	Hexavalent Chromium* short hold time 24 hours	3	40.00	✓ 120.00
pH	pH	3	10.00	✓ 30.00
Ultra Trace M...	Ultra Trace Mercury	3	100.00	✓ 300.00
TOC	TOC In Water	3	40.00	✓ 120.00
Group Metals	Cu,Zn,Cd,Pb	3	48.00	✓ 144.00
Waste	Waste Disposal Fee	1	10.00	✓ 10.00
The above quote is for standard TAT 5-7 business days				
1.50% Finance Charge Added To Past Due Balances. This Is Equal To An APR of 18%.			Total	✓ \$3,655.00



COMPANY OVERVIEW – UNIVERSAL LAND TITLE, LLC.

Universal Land Title was founded in 1986 in West Palm Beach, Florida by Michael Glass, who remains our company president today.

We have 23 branch offices operating in three states, with approximately 140 full time Associates. We have in-house accounting, commercial and title departments, retained counsel, and are experienced in closing all types of real estate transactions. Our clients include national lenders, local banks and credit unions, national and local home builders, commercial developers, state agencies and departments of transportation, buyers, sellers, and Realtors.

We have our own title plants staffed by experienced title examiners, which not only insures the quality of our work, but allows us to offer title services with faster turnaround time and lower cost than if we procured it from a third party provider.

Universal Land Title is underwritten by most major national underwriters, including Fidelity National (including Commonwealth and Chicago), First American, Stewart and Old Republic. We regularly receive awards from our underwriters for being an outstanding agent.

We are prominent members of all state and national trade organizations, and are actively involved in shaping the future of the industry.

We enjoy all of the latest technologies, and are constantly exploring and implementing new ways to make our operations more efficient and error-free.

One of the primary reasons to consider Universal Land Title is our strength and stability, especially in this challenging economic climate. As other smaller companies continue to falter, we have gained market share. We maintain sufficient capital reserves, which along with our seasoned management team and staff, has allowed us to flourish while many others have not been so fortunate.

We welcome the opportunity to work with you.

Quote Provided to Arcadis
Attention: Hank Deibel, Associate Vice President

PROJECT: Widening of Northlake Blvd
County: Palm Beach

The following is our Title Report fee structure:

Parcel 1 identified on sketch provided as "Valero Gas"	-	\$750.00
Parcel 2 identified on sketch provided as "Verizon/Papa Johns"	-	\$750.00
Parcel 3 identified on sketch provided as "North County Plumbing"	-	\$750.00
Parcel 4 identified on sketch provided as "Wendys"	-	\$750.00
		<u>\$3,000.00</u>

Title Search Report (includes title search updates) performed to specific requirements outlined in Section 4.1.3 of Right of Way Manual provided.

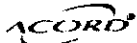
Treasa Odom
National Title Operations Manager
Universal Land Title
1555 Palm Beach Lakes Blvd., Suite 500
West Palm Beach, Florida 33401
Office Phone 561-689-8200
Direct Phone 561-472-6191
Fax 561-472-6193
Email: todom@universallandtitle.com

PARTICIPATION FOR MWBE/SBE CONSULTANTS
 Contract

Project Name: Northlake Boulevard and Military Trail Intersection Improvements **Project Number:** 2013519
Prime Vendor: Arcadis U.S., Inc. **Resolution Number:** R2013-
Telephone: (561) 697-7000 **Resolution Date:** 1/15/2013
Contact: Hank Deibel **Department:** Engineering & Public Works

MINORITY SUBCONTRACTORS

Minority Sub-Consultant	Type of Work Performed	Contract Dollar Amount for Sub-Consultant				
		Black	Hispanic	Women	Other	White Male
Simmons & White, Inc. 5601 CORPORATE WAY STE 200 WEST PALM BEACH, FL 33407 (561) 478-7848	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	0.00	12,837.26
Tierra South Florida, Inc. 2765 VISTA PKY STE 10 WEST PALM BEACH, FL 33411 (561) 687-8536	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	3,080.00	0.00
Jupiter Environmental Laboratories, In 150 S OLD DIXIE HIGHWAY JUPITER, FL 33458 (561) 575-0030	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	3,655.00	0.00	0.00
Simmons & White, Inc. 5601 CORPORATE WAY STE 200 WEST PALM BEACH, FL 33407 (561) 478-7848	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	0.00	7,108.48
Tierra South Florida, Inc. 2765 VISTA PKY STE 10 WEST PALM BEACH, FL 33411 (561) 687-8536	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	5,170.00	0.00
Total Contract Authorizatoin \$154,307.20	Total MWBE	0.00	0.00	0.00	0.00	
	Percentage	0.00%	0.00%	0.00%	0.00%	
	Total SBE	0.00	0.00	3,655.00	8,250.00	19,945.74
	Percentage	0.00%	0.00%	2.37%	5.35%	12.93%



CERTIFICATE OF LIABILITY INSURANCE

DATE:MMDDYYYY
07/19/2012

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

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

PRODUCER Aon Risk Services South, Inc. Franklin TN Office 501 Corporate Centre Drive Suite 300 Franklin TN 37067 USA	CONTACT NAME: PHONE (A.C. No. Ext): (866) 283-7122 FAX (A.C. No.): (847) 953-5390	
	E-MAIL ADDRESS:	
INSURED ARCADIS U.S., Inc. 630 Plaza Drive, Suite 100 Highlands Ranch CO 80129 USA	INSURER(S) AFFORDING COVERAGE NAIC #	
	INSURER A: Lexington Insurance Company 19437	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

Holder Identifier:

COVERAGES CERTIFICATE NUMBER: 570047084707 REVISION NUMBER:

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


INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MMDDYYYY)	POLICY EXP (MMDDYYYY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER <input type="checkbox"/> POLICY <input type="checkbox"/> PROJ <input type="checkbox"/> LOC						EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION						EACH OCCURRENCE AGGREGATE
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in FL) Yes, describe under DESCRIPTION OF OPERATIONS below						<input type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT E.L. DISEASE-EA EMPLOYEE E.L. DISEASE-POLICY LIMIT
A	Contractor Poll			015448990 Professional & Pollution SIR applies per policy terms & conditions	06/01/2012	06/01/2013	Per Claim \$5,000,000 Annual Aggregate \$5,000,000

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

For Professional Liability coverage, the Aggregate Limit is the total insurance available for claims presented within the policy period for all operations of the insured. The Limit will be reduced by payments of indemnity and expense. Project Name: For All Projects with Palm Beach County. The Professional/Pollution Liability policy has Full Prior Acts coverage.

CERTIFICATE HOLDER

CANCELLATION

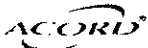
Palm Beach County Board of County Commissioners Attn: Jaquana Dean 2300 North Jog Road West Palm Beach FL 33411 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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Certificate No: 570047084707

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ACORD 25 (2010/05)

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
01/07/2013

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

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

PRODUCER Aon Risk Services South, Inc. Franklin TN Office 501 Corporate Centre Drive Suite 300 Franklin TN 37067 USA	CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122 FAX (A/C. No.): (847) 953-5390	
	E-MAIL ADDRESS:	
INSURED ARCADIS U.S., Inc. 630 Plaza Drive, Suite 100 Highlands Ranch CO 80129 USA	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Greenwich Insurance Company	22322
	INSURER B: XL Specialty Insurance Co	37885
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES **CERTIFICATE NUMBER: 570048791839** **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liability GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC		GEC001076111	01/01/2013	01/01/2014	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COM/PIOP AGG \$2,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> Property Damage to		AEC001075811 AOS AEC001719509 MA	01/01/2013	01/01/2014	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
	UMBRELLA LIAB OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION					EACH OCCURRENCE AGGREGATE
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N N/A	RWD943516307 All other States RWR943516707 WI	01/01/2013	01/01/2014	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000

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

RE: Engineering Design Services for Northlake Boulevard and Military Trail. Palm Beach County Board of County Commissioners, Florida Department of Transportation, A Political Subdivision of the State of Florida, its officers, employees and agents are included as Additional Insured as required by written contract, but limited to the operations of the Insured under said contract, with respect to the General Liability and Automobile Liability Policies. General Liability and Automobile Liability Policies evidenced herein are Primary and Non-Contributory to other insurance available to Palm Beach County Board of County Commissioners, but only to the extent required by written contract with the Insured. A waiver of Subrogation is granted in favor of Palm Beach County Board of County Commissioners, Florida Department of Transportation, A Political Subdivision of the

CERTIFICATE HOLDER Palm Beach County Board of County Commissioners Attn: JaeAnn Dean 2300 North Jog Road West Palm Beach FL 33411 USA	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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Holder Identifier:

Certificate No : 570048791839

AGENCY CUSTOMER ID: 57000005571
LOC #:



ADDITIONAL REMARKS SCHEDULE

Page _ of _

AGENCY Aon Risk Services South, Inc.		NAMED INSURED ARCADIS U.S., Inc.	
POLICY NUMBER See Certificate Number: 570048791839			
CARRIER See Certificate Number: 570048791839	NAIC CODE	EFFECTIVE DATE	

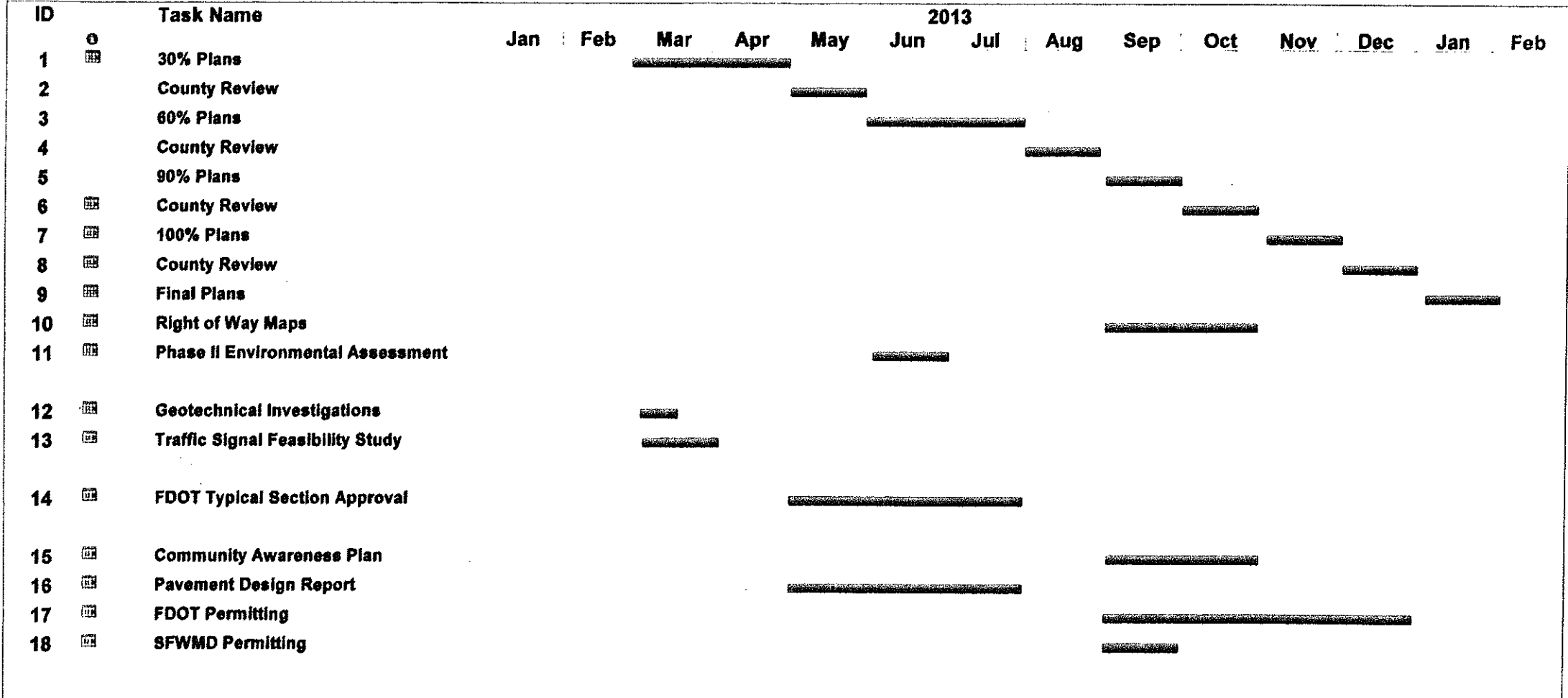
ADDITIONAL REMARKS

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance**

Additional Description of Operations / Locations / Vehicles:

State of Florida, its officers, employees and agents as required by written contract but limited to the operations of the Insured under said contract, with respect to the General Liability, Automobile Liability and workers' Compensation Policies. In the event General Liability, Automobile Liability, workmen's Compensation coverage is cancelled for any statutorily permitted reason, other than non-payment of premium, 30 days advanced written notice will be mailed or delivered to the certificate holder listed below, when required by written contract or agreement.

**Northlake Boulevard & Military Trail
Intersection Improvements
Palm Beach County Project Number 2013519**



Project: Northlake Boulevard-Military T
Date: Mon 1/7/13

Task		Project Summary		Inactive Milestone		Manual Summary Rollup		Progress	
Split		External Tasks		Inactive Summary		Manual Summary		Deadline	
Milestone		External Milestone		Manual Task		Start-only			
Summary		Inactive Task		Duration-only		Finish-only			

Page 1

Attachment 3