

Agenda Item #: 3-C-9

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

Meeting Date: August 19, 2014 [x] Consent [] Regular
[] Workshop [] Public Hearing
Department:
Submitted By: Engineering & Public Works Department
Submitted For: Roadway Production Division

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: a task order to the annual contract, R2014-0891, in the amount of \$125,168.61, with Arcadis U.S., Inc. (Arcadis), for professional services for the PGA Boulevard and Central Boulevard Intersection Improvements project (Project).

SUMMARY: Approval of this task order will provide the professional services necessary for the preparation of design plans and construction bid documents for the Project. Arcadis is a Palm Beach County company. The Small Business Enterprise (SBE) goal for the Project is 15%. Arcadis has achieved 31.07% SBE participation for this Project.

District 1 MRE

Background and Justification: On July 1, 2014, the Board of County Commissioners (Board) approved an annual contract, R2014-0891, with Arcadis to provide professional services required for Palm Beach Countywide (County) intersection improvement projects. The County now desires Arcadis to prepare design plans and construction bid documents for the Project, as detailed in Exhibit "A" of the attached task order. The fee, as detailed in Exhibit "A" of the attached task order, has been negotiated as just and reasonable compensation as follows:

| | | |
|--|----------------------|--|
| Basic Services (Lump Sum) | \$ 92,037.35 | (Roadway Plans, Traffic Signal Plans, Signing and Pavement Marking Plans). |
| Reimbursable Expenses (Not to Exceed)... | \$ 22,909.50 | (Survey, Geotechnical, Subsurface Utility Locating, Permit Fees). |
| Optional Services (Not to Exceed)..... | \$ <u>10,221.76</u> | (Post Design, Traffic Signal Mast Arm Analysis, Legal and Sketch). |
| Total: | \$ <u>125,168.61</u> | |

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

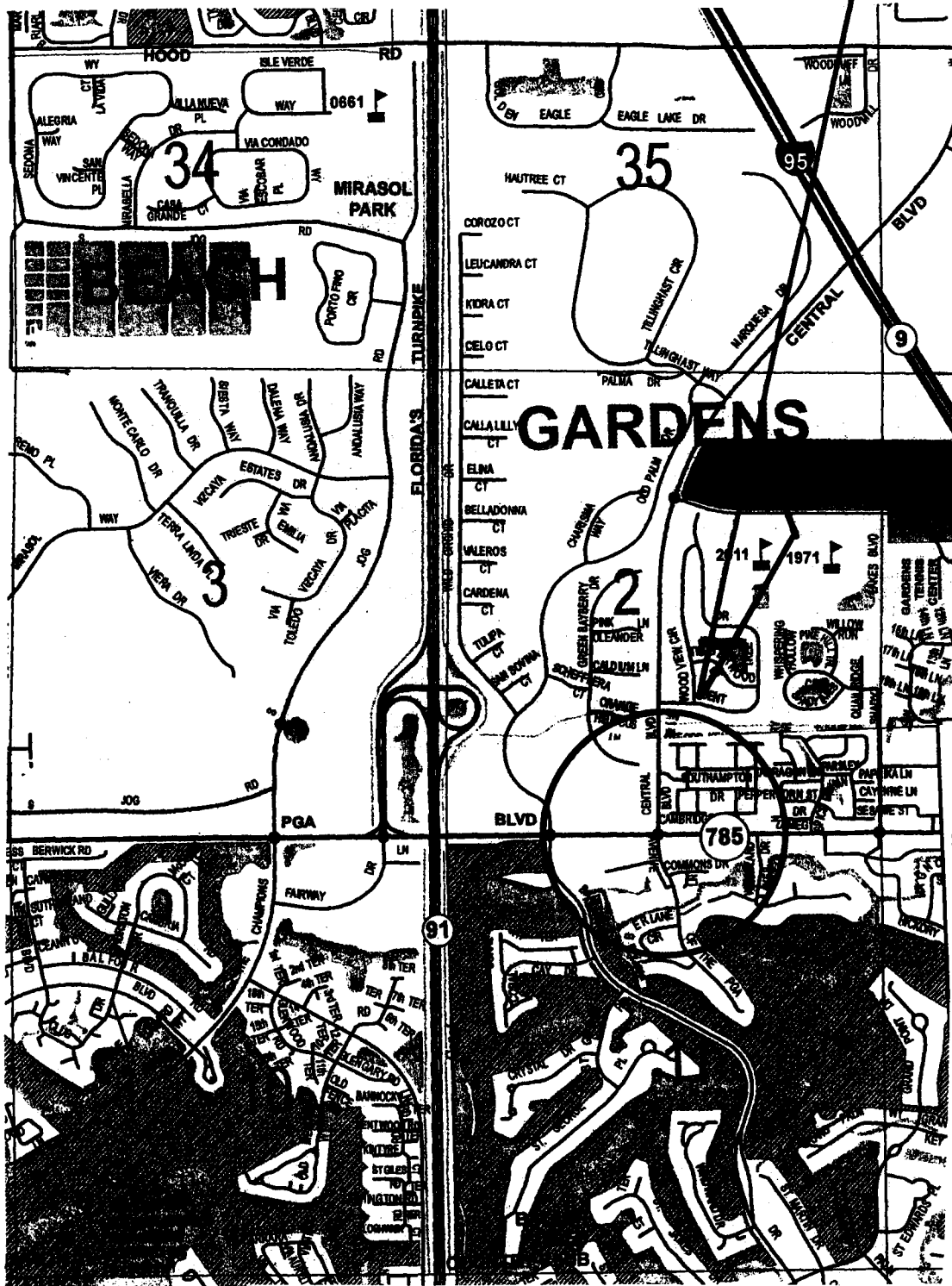
Attachments:

1. Location Sketch
2. Task Order with Exhibits "A", "B", "C" and "D" and Certificates of Insurance (2)
3. Project Work Schedule

Recommended by: *Ornela A. Fernandez* 7/3/14
Division Director Date

Approved By: *S. J. Webb* 7/18/14
County Engineer Date

PGA Boulevard and Central Boulevard
Intersection Improvements
Palm Beach County Project no. 2014504



LOCATION SKETCH

ATTACHMENT 2

WORK TASK ORDER TO ANNUAL CONTRACT BETWEEN

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

FOR PROFESSIONAL ENGINEERING SERVICES ON

**PGA BOULEVARD AND CENTRAL BOULEVARD
INTERSECTION IMPROVEMENTS**

**PROJECT NO.: 2014504
PALM BEACH COUNTY, FLORIDA**

THIS WORK TASK ORDER TO THE ANNUAL CONTRACT, made and entered into this day of _____ 2014 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, Suite 200, West Palm Beach, Florida 33411, hereinafter called the **CONSULTANT**.

WITNESSETH

WHEREAS, the **COUNTY** and **CONSULTANT** entered into an Annual Contract for intersection improvements on a task order basis on July 1, 2014 (R2014-0891).

WHEREAS, the **COUNTY** desires the **CONSULTANT** to perform intersection improvement services for PGA Boulevard and Central Boulevard Intersection Improvements, 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: PGA Boulevard and Central Boulevard Intersection Improvements
Project No.: 2014504**

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 \$92,037.35;

Reimbursable Expenses capped at \$22,909.50;

Optional Services capped at \$10,221.76;

Totaling \$125,168.61

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-consultants Letter 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 Twenty-Five Thousand One Hundred Sixty-Eight Dollars and Sixty-One Cents (\$125,168.61).

Except as hereby amended, changed or modified, all other terms, conditions and obligations of the Contract dated **July 1, 2014 (R2014-0891)**, shall remain in full force and effect.

Re: **PGA Boulevard and Central Boulevard Intersection Improvements**
Project No.: 2014504

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: _____
Priscilla A. Taylor, Mayor

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

BY: _____
Deputy Clerk

S E A L

APPROVED AS TO TERMS
AND CONDITIONS:

BY: *Ornelo A. Fernandez*

APPROVED AS TO FORM & LEGAL
SUFFICIENCY:

COUNTY ATTORNEY

CONSULTANT:

Arcadis U.S., Inc.
a Florida Corporation

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

C O R P O R A T E S E A L

WITNESS:
BY: *[Signature]*

WILBUR F. DIVINE
(Printed Name)

BY: *[Signature]*

Henry W. Seibel Jr
(Printed Name)



Exhibit "A" – Page 1 of 39

*OK as to scope
& fee. KOF
4/9/14*

*Survey ✓ 3/20/14
Rdwy ✓ 4/14/14
Grouted ✓ 4/14/14
Traffic ✓ 4/7/14*

ARCADIS U.S., Inc.
2081 Vista Parkway
Suite 200
West Palm Beach
Florida 33411
Tel 561 697 7000
Fax 561 697 7751
www.arcadis-us.com

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

*OK to proceed.
submit fee
4/15/14*

Subject:
PGA Boulevard & Central Boulevard
Intersection Improvements
Palm Beach County Project No. 2014504

Transportation

Dear Mr. Young

Date:
March 31, 2014

We are pleased to submit this proposal for professional services for the improvement of the intersection of PGA Boulevard and Central Boulevard. The scope of services included in this proposal consists of the preparation of plans for the construction of a second southbound right turn lane on the north approach of the intersection.

Contact:
Henry Deibel

Phone:
(561) 697-7075

The existing lane configuration on the north approach of the intersection (Central Boulevard) consists of the following:

Email:
Hank.deibel@arcadis-us.com

- Single SB right turn lane
- Shared SB thru/left turn lane
- Single SB exclusive left turn lane
- Two NB thru lanes

Our ref:

The existing right of way width on the north approach is approximately 120 feet.

Florida License Numbers

The existing lane configuration on the south approach of the intersection (Avenue Of the PGA) consists of the following:

Engineering
EB00007917

- Single SB thru lane
- Shared NB thru/left turn lane
- Single NB right turn lane

Geology
GB564

Surveying
LB7062

The existing right of way width on the south approach is approximately 100 feet.

Central Boulevard will be widened to provide for the additional southbound right turn lane. The right turn lane will provide for approximately 280 feet of storage and a 50 foot long taper. The proposed lane configuration on the north approach will be:

Imagine the result

ARCADIS

Mr. Dave Young
March 31, 2014

- Two 11' SB right turn lanes
- 5' shoulder
- Single 11' SB shared thru/left turn lane
- Single 11' SB left turn lane
- Minimum 7' wide raised median
- Two 12' thru NB lanes
- 4' outside paved shoulder

Curb and gutter and concrete sidewalks will be provided. The design speed for the project will be 45 mph. No improvements are anticipated on PGA Boulevard.

Master Plan Phase

Two alternative plans will be prepared during the Master Plan phase. The first alternative will consider maintaining the existing southbound lanes in their current location and adding a new right turn lane on the west side of the roadway. The second alternative will consider shifting the roadway towards the east to avoid any right of way acquisition on the west side of Central Boulevard. The Master Plan submittal will consist of typical sections and preliminary horizontal alignment plans for the two alternatives.

Construction Plan Phase

Following review and approval of the master plan submittal, construction plans will be prepared based on the preferred alternative.

The following plan sheets will be prepared:

- Cover sheet
- Typical sections
- General notes
- Summary of quantities
- Roadway plan sheets
- Cross sections
- Pavement marking and signage plans
- Signalization plans

Survey services will be provided by Brown & Phillips Inc. in accordance with the attached proposal. The survey will consist of a topographic location survey to map

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Exhibit "A" – Page 3 of 39

Mr. Dave Young
March 31, 2014

the existing conditions at the project site. The survey limits on Central Boulevard will be from approximately 900 feet north of PGA Boulevard to Commons Drive. The survey limits on PGA Boulevard will be from 50 feet west of Central Boulevard to 50 feet east of Central Boulevard. Cross sections will be obtained at 100-foot intervals for use in the design of the project.

A subsurface geotechnical testing program will be performed for the project. The geotechnical testing will be performed by Tierra South Florida in accordance with the attached proposal.

Traffic signal improvement plans will be prepared by Simmons & White in accordance with the attached proposal. The signal improvements will consist of a structural analysis of the existing strain pole system to determine if the existing strain pole system can be modified to accommodate the proposed roadway improvements. Should the existing system prove to be acceptable, the final design will be based on utilizing the existing strain pole system. Should the strain pole system be found to be structurally deficient, the final plans will be prepared for a mast arm traffic signal system.

It is anticipated that the project will require permits from the following regulatory agencies:

- Florida Department of Transportation
- South Florida Water Management District
- Northern Palm Beach County improvement District

Permit application packages will be submitted to these agencies for review and approval.

Utility coordination services will be provided. Utility coordination meetings will be conducted at the initial contact, utility pothole, and final plan stages. As an optional service if needed, utility pothole services will be provided by Ground Hound Detection Services. Ground Hound will excavate a maximum of 10 test holes to confirm the location of existing utilities for use in the design of the proposed improvements. Attached is a copy of Ground Hound's proposal for this work.

Enclosed please find a fee summary and breakdown for this project. We thank you for the opportunity to submit this proposal and look forward to working with you towards the successful completion of this project.

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Exhibit "A" – Page 4 of 39

Mr. Dave Young
March 31, 2014

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:

Kathleen Farrell, PE

ARCADIS US, INC.
ESTIMATE OF WORK EFFORT FOR ENGINEERING
PGA Boulevard and Central Boulevard
INTERSECTION IMPROVEMENTS

| | | |
|--|-----------|---------------------|
| Total Contract Cost Computations | \$ | 26,189.56 |
| Total Activity Salary Costs | | |
| (a) Overhead Additives: | | |
| (a1) Combined OH Percent | ✓ | 165.00% |
| (a2) Combined OH Cost | \$ | ✓ 43,212.77 |
| Subtotal (Salary + Overhead) | \$ | ✓ 69,402.33 |
| (b) Operating Margin Percent | ✓ | 12.00% |
| (b) Operating Margin Cost | \$ | ✓ 8,328.28 |
| Subtotal (Salary Related Cost) | \$ | 77,730.61 |
| Subtotal (Cost Elements of Basic Activities) | \$ | ✓ 77,730.61 |
| | | |
| Traffic Signalization Plans (Simmons & White) (Lump Sum) | \$ | ✓ 14,306.74 |
| TOTAL BASIC SERVICES | \$ | ✓ 92,037.35 |
| | | |
| Reimbursable Expenses | | |
| Survey Services (Brown & Phillips) (Lump Sum) | \$ | ✓ 10,577.50 |
| Geotechnical Engineering (Tierra South Florida)(NTE) | \$ | ✓ 6,332.00 |
| Subsurface Utility Locating (Ground Hound) (NTE) | \$ | ✓ 3,500.00 |
| Permit Application Fees (Northern=\$500.00, SFWMD = \$2,000.00) | \$ | ✓ 2,500.00 |
| TOTAL REIMBURSABLE ITEMS | \$ | ✓ 22,909.50 |
| | | |
| Optional Services | | |
| Post Design Services (ARCADIS) | \$ | ✓ 6,052.35 |
| Traffic Signal Mast Arm Structural Analysis (Simmons & White) | \$ | ✓ 3,719.41 |
| Sketch and Legal Descriptions (Brown & Phillips) (1 @ \$450.00/each) | \$ | ✓ 450.00 |
| TOTAL OPTIONAL SERVICES | \$ | ✓ 10,221.76 |
| | | |
| LUMP SUM= | \$ | ✓ 125,168.61 |

2.96 multiplier

ARCADIS US, INC.

ESTIMATE OF WORK EFFORT FOR ENGINEERING
 PGA Boulevard & Central Boulevard
 Intersection Improvements
 Palm Beach county Project No. 2014504

| | CHIEF ENGINEER | | PROJECT ENGINEER | | DESIGNER | | ACTIVITY TOTAL MAN HOURS |
|----------------------------------|----------------|-------------|------------------|-------------|--------------|-------------|-----------------------------|
| | MAN HOURS | HOURLY RATE | MAN HOURS | HOURLY RATE | MAN HOURS | HOURLY RATE | |
| DESIGN ANALYSIS | 19.0 | \$ 64.90 | 15.0 | \$ 37.06 | 62.0 | \$ 29.00 | 96.0 |
| DRAINAGE ANALYSIS | 12.0 | \$ 64.90 | 14.0 | \$ 37.06 | - | \$ 29.00 | 26.0 |
| ROADWAY PLANS | 84.0 | \$ 64.90 | 63.0 | \$ 37.06 | 178.0 | \$ 29.00 | 325.0 |
| UTILITIES | 12.0 | \$ 64.90 | 22.0 | \$ 37.06 | 10.0 | \$ 29.00 | 44.0 |
| PERMITTING | 44.0 | \$ 64.90 | 28.0 | \$ 37.06 | - | \$ 29.00 | 72.0 |
| SIGNING & PAVEMENT MARKING PLANS | 17.0 | \$ 64.90 | 14.0 | \$ 37.06 | 33.0 | \$ 29.00 | 64.0 |
| TOTALS | 188.0 | | 156.0 | | 283.0 | | 627.0 |

| | | | |
|----------------------------------|---------------------|--------------------|--------------------|
| DESIGN ANALYSIS | \$ 1,233.10 | \$ 555.90 | \$ 1,798.00 |
| DRAINAGE ANALYSIS | \$ 778.80 | \$ 518.84 | \$ - |
| ROADWAY PLANS | \$ 5,451.60 | \$ 2,334.78 | \$ 5,162.00 |
| UTILITIES | \$ 778.80 | \$ 815.32 | \$ 290.00 |
| PERMITTING | \$ 2,855.60 | \$ 1,037.68 | \$ - |
| SIGNING & PAVEMENT MARKING PLANS | \$ 1,103.30 | \$ 518.84 | \$ 957.00 |
| TOTALS | \$ 12,201.20 | \$ 5,781.36 | \$ 8,207.00 |

| | BY ACTIVITY | COST FOR ACTIVITY | HOURLY RATE |
|----------------------------------|--------------|---------------------|----------------|
| DESIGN ANALYSIS | 96.0 | \$ 3,587.00 | 37.36 |
| DRAINAGE ANALYSIS | 26.0 | \$ 1,297.64 | 49.91 |
| ROADWAY PLANS | 325.0 | \$ 12,948.38 | 39.84 |
| UTILITIES | 44.0 | \$ 1,884.12 | 42.82 |
| PERMITTING | 72.0 | \$ 3,893.28 | 54.07 |
| SIGNING & PAVEMENT MARKING PLANS | 64.0 | \$ 2,579.14 | 40.30 |
| TOTALS | 627.0 | \$ 26,189.56 | \$41.77 |

Average per hour

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 1 - DESIGN ANALYSIS

| TASK | BASIS OF ESTIMATE | NO. OF UNITS | HOURS/UNIT | NO. OF SHEETS | TOTAL HOURS | CHIEF ENGINEER | PROJECT ENGINEER | DESIGNER | REMARKS |
|---|-------------------|--------------|------------|---------------|-------------|----------------|------------------|----------|---------|
| 1. Master Plan - Roadway Plans (Two Alternatives) | EA | 2 | 40 | | 80 | 15.0 | 15.0 | 50.0 | |
| 2. Master Plan - Typical Sections (Two Alternatives) | L.S. | 4 | 4 | | 16 | 4.0 | | 12.0 | |
| 3. Cross Section Design Files | LS | 1 | | | 0 | | | | |
| 4. Technical Meetings | LS | 1 | | | 0 | | | | |
| 5. FDOT Pavement Design Report | L.S. | 1 | | | 0 | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |
| SUBTOTAL THIS SHEET | | | | | ✓ 96 | ✓ 19 | ✓ 15 | ✓ 62 | |

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 | CHIEF ENGINEER | PROJECT ENGINEER | DESIGNER | REMARKS |
|---|-------------------|--------------|------------|---------------|-------------|----------------|------------------|----------|---------|
| 1. Drainage Design - Pipe Hydraulics and Exfiltration Trench Calculations | Ea. | 1 | 16 | | 16 | 8.0 | 8.0 | | |
| 2. Spread calculations | Sheet | 1 | 2 | | 2 | | 2.0 | | |
| 3. Drainage report | Ea. | 1 | 8 | | 8 | 4.0 | 4.0 | | |
| 4. Interchange Drainage Design | Ea. | | | | 0 | | | | |
| 5. Design of Storm Sewers | | | | | 0 | | | | |
| 6. | | | | | | | | | |
| 7. | | | | | | | | | |
| 8. | | | | | | | | | |
| 9. | | | | | | | | | |
| 10. | | | | | | | | | |
| 11. | | | | | | | | | |
| SUBTOTAL THIS SHEET | | | | | ✓ 26 | ✓ 12 | ✓ 14 | 0 | |

Exhibit "A" - Page 8 of 39

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 | CHIEF ENGINEER | PROJECT ENGINEER | DESIGNER | REMARKS |
|---------------------------------------|-------------------|--------------|------------|---------------|-------------|----------------|------------------|----------|---------|
| 1. Key Map | Sheet | 1 | 4 | 1 | 4 | 1.0 | | 3.0 | |
| 2. Typical Section & Notes | Sheet | 2 | 8 | 2 | 16 | 4.0 | | 12.0 | |
| 3. Summary of Quantities | Each | 1 | 8 | 1 | 8 | 2.0 | 2.0 | 4.0 | |
| 4. Plan & Profiles | Sheet | 3 | 60 | 3 | 180 | 35.0 | 35.0 | 110.0 | |
| 5. Profiles | Each | 1 | 12 | | 12 | 4.0 | | 8.0 | |
| 6. Conceptual Traffic Control Plans | Sheet | | | | 0 | | | | |
| 7. Traffic Warrants | L.S. | | | | 0 | | | | |
| 8. Quantity Computation Booklet | L.S. | 1 | 24 | | 24 | 12.0 | 12.0 | | |
| 9. Miscellaneous Construction Details | L.S. | 1 | 16 | 1 | 16 | 4.0 | 4.0 | 8.0 | |
| 10. | Ea | | | | 0 | | | | |
| 11. Cross-Sections | Ea. | 15 | 3 | 5 | 45 | 8.0 | 10.0 | 27.0 | |
| 12. Baseline Control | Sheet | 1 | 8 | 1 | 8 | 2.0 | | 6.0 | |
| 13 Cost Estimates | Each | 3 | 4 | | 12 | 12.0 | | | |
| SUBTOTAL THIS SHEET | | | | | ✓ 325 | ✓ 84 | ✓ 63 | ✓ 178 | |

Exhibit "A" - Page 9 of 39

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 | CHIEF ENGINEER | PROJECT ENGINEER | DESIGNER | REMARKS |
|---|-------------------|--------------|------------|---------------|-------------|----------------|------------------|----------|---------|
| Initial Contact | Ea. | 1 | 2 | | 2 | 1.0 | 1.0 | | |
| Plotting Utility Locations on Plan Sheets | Sheet | 2 | 2 | 3 | 6 | | 2.0 | 4.0 | |
| Coordination with Utility Companies | Ea. | 1 | 8 | | 8 | 4.0 | 4.0 | | |
| Utility Pothole Meeting & Conflict Matrix | Ea. | 1 | 8 | | 8 | 2.0 | 6.0 | | |
| Final Utility Meeting | Ea. | 1 | 4 | | 4 | 1.0 | 3.0 | | |
| Pre Work Meeting | Ea. | 1 | | | 0 | | | | |
| Utility Relocation Schedules & Agreements | L.S. | 1 | 8 | | 8 | 2.0 | 6.0 | | |
| Plotting utility pothole data | L.S. | 1 | 8 | | 8 | 2 | | 6 | |
| | | | | | 0 | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| TOTAL | | | | | ✓ 44 | ✓ 12.0 | ✓ 22.0 | ✓ 10.0 | |

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 | CHIEF ENGINEER | PROJECT ENGINEER | DESIGNER | REMARKS |
|--|-------------------|--------------|------------|---------------|-------------|----------------|------------------|----------|---------|
| 1. Preliminary Field Review | L.S. | | | | 0 | | | | |
| 2. Agency Coordination (Includes all Phases) | L.S. | 1 | 4 | | 4 | | 4.0 | | |
| 3. Establish Wetland Jurisdictional Lines | L.S. | | | | 0 | | | | |
| 4. Agency Field Review | L.S. | | | | 0 | | | | |
| 5. Northern Improvement District | L.S. | 1 | 8 | | 8 | 4.0 | 4.0 | | |
| 6. Prepare Stormwater Mgmt. & Surface Water Permit Application (SFWMD) | L.S. | 1 | 8 | | 8 | 4.0 | 4.0 | | |
| 7. FPL / FDOT / PBCo. Traffic Signal Meetings | L.S. | 1 | 4 | | 4 | 4.0 | | | |
| 8. Prepare FDOT Permit Application | L.S. | 1 | 16 | | 16 | 16.0 | | | |
| 9. Address FDOT comments | L.S. | 1 | 32 | | 32 | 16.0 | 16.0 | | |
| 10. | | | | | 0 | | | | |
| 11 | | | | | 0 | | | | |
| SUBTOTAL THIS SHEET | | | | | ✓ 72 | ✓ 44 | ✓ 28 | 0 | |

HIGHWAY TASK LIST

ACTIVITY: B. SIGNING & PAVEMENT MARKINGS

SUBACTIVITY: NONE

| TASK | BASIS OF ESTIMATE | NO. OF UNITS | HOURS/UNIT | NO. OF SHEETS | TOTAL HOURS | CHIEF ENGINEER | PROJECT ENGINEER | DESIGNER | REMARKS |
|-----------------------------------|-------------------|--------------|------------|---------------|-------------|----------------|------------------|----------|------------------------------|
| 1. Key Sheet | Sheet | 1 | 4 | 1 | 4 | 1 | | 3 | |
| 2. General Notes | Sheet | | 0 | | 0 | | | | |
| 3. Tabulation of Quantities | Sheet | 1 | 8 | | 8 | 2 | 2 | 4 | |
| 4. Plan Sheets | Sheet | 3 | 12 | 3 | 36 | 8 | 8 | 20 | |
| 5. Guide Sign Worksheet | EA | 2 | 8 | 1 | 8 | 2 | | 6 | internally illuminated signs |
| 6. Quantity Computation booklet | EA | 1 | 8 | | 8 | 4 | 4 | | |
| 7. Special Marking Details | EA | | 0 | | 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 | | | | | ✓ 64 | ✓ 17 | ✓ 14 | ✓ 33 | |

Exhibit "A" - Page 12 of 39

ARCADIS US, INC.
ESTIMATE OF WORK EFFORT FOR ENGINEERING
PGA Boulevard & Central Boulevard
INTERSECTION IMPROVEMENTS
Post Design - Optional Services

| | | |
|---|----|------------|
| Total Contract Cost Computations | \$ | 2,039.20 |
| Total Activity Salary Costs | | |
| (a) Overhead Additives: | | |
| (a1) Combined OH Percent | | 165.00% |
| (a2) Combined OH Cost | \$ | ✓ 3,364.68 |
| Subtotal (Salary + Overhead) | \$ | ✓ 5,403.88 |
| (b) Operating Margin Percent | | 12.00% |
| (b) Operating Margin Cost | \$ | ✓ 648.47 |
| Subtotal (Salary Related Cost) | \$ | 6,052.35 |
| Subtotal (Cost Elements of Optional Services) | \$ | 6,052.35 |

TOTAL BASIC SERVICES \$ ✓ 6,052.35

✓ 2.96 multiplier

HOURLY NOT TO EXCEED = \$ ✓ 6,052.35

ARCADIS US, INC.
ESTIMATE OF WORK EFFORT FOR ENGINEERING
PGA Boulevard & Central Boulevard
Intersection Improvements
Post Design - Optional Services

| | CHIEF ENGINEER | | PROJECT ENGINEER | | DESIGNER | | ACTIVITY TOTAL MAN HOURS |
|-------------------------------------|----------------|----------------|------------------|----------------|--------------|----------------|--------------------------------|
| | MAN HOURS | HOURLY RATE | MAN HOURS | HOURLY RATE | MAN HOURS | HOURLY RATE | |
| POST DESIGN | 20.0 | \$ 64.90 | 20.0 | \$ 37.06 | - | \$ 29.00 | 40.0 |
| DRAINAGE ANALYSIS | - | \$ 64.90 | - | \$ 37.06 | - | \$ 29.00 | - |
| ROADWAY PLANS | - | \$ 64.90 | - | \$ 37.06 | - | \$ 29.00 | - |
| UTILITIES | - | \$ 64.90 | - | \$ 37.06 | - | \$ 29.00 | - |
| PERMITTING | - | \$ 64.90 | - | \$ 37.06 | - | \$ 29.00 | - |
| SIGNING & PAVEMENT MARKING PLANS | - | \$ 64.90 | - | \$ 37.06 | - | \$ 29.00 | - |
| TOTALS | 20.0 | | 20.0 | | | | 40.0 |

| | | | |
|-------------------------------------|--------------------|------------------|--------------------|
| POST DESIGN | \$ 1,298.00 | \$ 741.20 | \$ - |
| DRAINAGE ANALYSIS | \$ - | \$ - | \$ - |
| ROADWAY PLANS | \$ - | \$ - | \$ - |
| UTILITIES | \$ - | \$ - | \$ - |
| PERMITTING | \$ - | \$ - | \$ - |
| SIGNING & PAVEMENT MARKING PLANS | \$ - | \$ - | \$ - |
| TOTALS | \$ 1,298.00 | \$ 741.20 | \$ 2,039.20 |

| | BY ACTIVITY | COST FOR ACTIVITY | HOURLY RATE |
|-------------------------------------|----------------|----------------------|----------------|
| POST DESIGN | 40.0 | \$ 2,039.20 | 50.98 |
| DRAINAGE ANALYSIS | - | \$ - | #DIV/0! |
| ROADWAY PLANS | - | \$ - | #DIV/0! |
| UTILITIES | - | \$ - | #DIV/0! |
| PERMITTING | - | \$ - | #DIV/0! |
| SIGNING & PAVEMENT MARKING PLANS | - | \$ - | #DIV/0! |
| TOTALS | 40.0 | \$ 2,039.20 | \$50.98 |

Average per hour

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 1 - POST DESIGN SERVICES

| TASK | BASIS OF ESTIMATE | NO. OF UNITS | HOURS/UNIT | NO. OF SHEETS | TOTAL HOURS | CHIEF ENGINEER | PROJECT ENGINEER | DESIGNER | REMARKS |
|---|-------------------|--------------|------------|---------------|-------------|----------------|------------------|----------|---------|
| 1. Post Design Engineering Services | MH | 1 | 40 | 1 | 40 | 20.0 | 20.0 | | |
| 2. Community Awareness Plan Preparation | L.S. | | | | 0 | | | | |
| 3. Public Information Meeting Flyer | Ea | | | | 0 | | | | |
| 4. Public Information Meeting Mailings | Ea | | | | 0 | | | | |
| 5. Public Information Meeting | L.S. | | | | 0 | | | | |
| 6. Pavement Design Report | L.S. | 1 | | | 0 | | | | |
| 7. Regulatory Permits Package | L.S. | 1 | | | 0 | | | | |
| 8. Traffic Signal Feasibility Study | L.S. | 1 | | | 0 | | | | |
| 9. | | | | | 0 | | | | |
| 10. | | | | | 0 | | | | |
| | | | | | 0 | | | | |
| | | | | | 0 | | | | |
| SUBTOTAL THIS SHEET | | | | | 40 | 20 | 20 | 0 | |

Exhibit "A" - Page 15 of 39



February 25, 2014

Mr. Hank Deibel
ARCADIS U.S., Inc.
2081 Vista Parkway
West Palm Beach, FL 33411

**Re: PGA Boulevard and Central Boulevard Intersection Improvements
Roadway Design Survey**

Dear Hank:

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

SCOPE OF SERVICES

I. HORIZONTAL PROJECT NETWORK CONTROL

Using the information supplied by Palm Beach County, we will establish the Right-of-Way for PGA Boulevard and Central Boulevard. A traverse will be run through the route and all found monumentation will be tied in. The survey will be oriented to Palm Beach County horizontal control (NAD 83/90 Adjustment). The Palm Beach County Survey Department will supply all the sectional control information along the proposed route.

The limits of the survey are shown on Attachment 'B'.

II. VERTICAL PROJECT NETWORK CONTROL

A level run will be performed along the route using the existing Palm Beach County benchmarks (NAVD 1988). Benchmarks will be set along the route, not exceeding 600 feet apart (so that we will have at least one benchmark per plan sheet). All benchmarks will be set outside of the proposed right of way.

III. BASELINE LAYOUT

We will lay out the baseline at 100-foot intervals setting appropriate points at each station. The baseline will be laid out within the limits of the 1500'± route. These baseline points will be used in the topographic and cross section phase to locate features and facilitate checks.

IV. REFERENCE POINTS

We will reference the baseline at intervals not exceeding 1400 feet along the route. These points will be used to replace disturbed baseline stations. We propose to set four (4) references.

Deibel
February 25, 2014
Page 2

V. SECTION TIES AND PROPERTY TIES

We will tie in section corners and property corners along the route to check the present alignment of Central Boulevard. We will try to locate as many corners as possible to positively establish the current right of ways.

VI. TOPOGRAPHY

A topographic survey will be performed along the route. The survey will tie in all visible features such as, but not limited to, signs, light poles, guardrails, utilities, walks, edge of pavement, curbing, drainage structures, trees, etc. These locations will show all features within the corridor (R/W + 25') within the area as shown on Attachment 'B'.

VII. CROSS SECTIONS

Cross sections will be done along the route at 100' intervals, at inlet locations and at high points. These cross sections will extend to 25' outside of the proposed right-of-way.

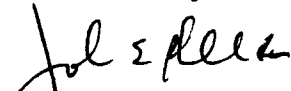
VIII. ASBUILTS

We will attempt to get asbuilt information on all the pipes leading out of any storm or sanitary sewer structures found. We will show invert elevations, pipe sizes and materials for all pipes located including outfall pipes.

IX. CLOSURE

A drawing will be produced which will show all the features located. We propose to provide ARCADIS U.S., Inc. with an AutoCAD file in the version requested. Any additional work will be done on an hourly basis as approved by you. We will perform the scope of services for a lump sum fee of \$10,577.50 (see Attachment 'A' for an hourly breakdown). Please do not hesitate to call me with any questions you might have regarding this proposal. We look forward to working with you on this project.

Brown & Phillips, Inc.


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

Attachment

JEP/mb

This Proposal accepted this ____ day of _____, 2014

By: _____
ARCADIS U.S., Inc.

Print Name: _____

Title: _____

ATTACHMENT 'A'

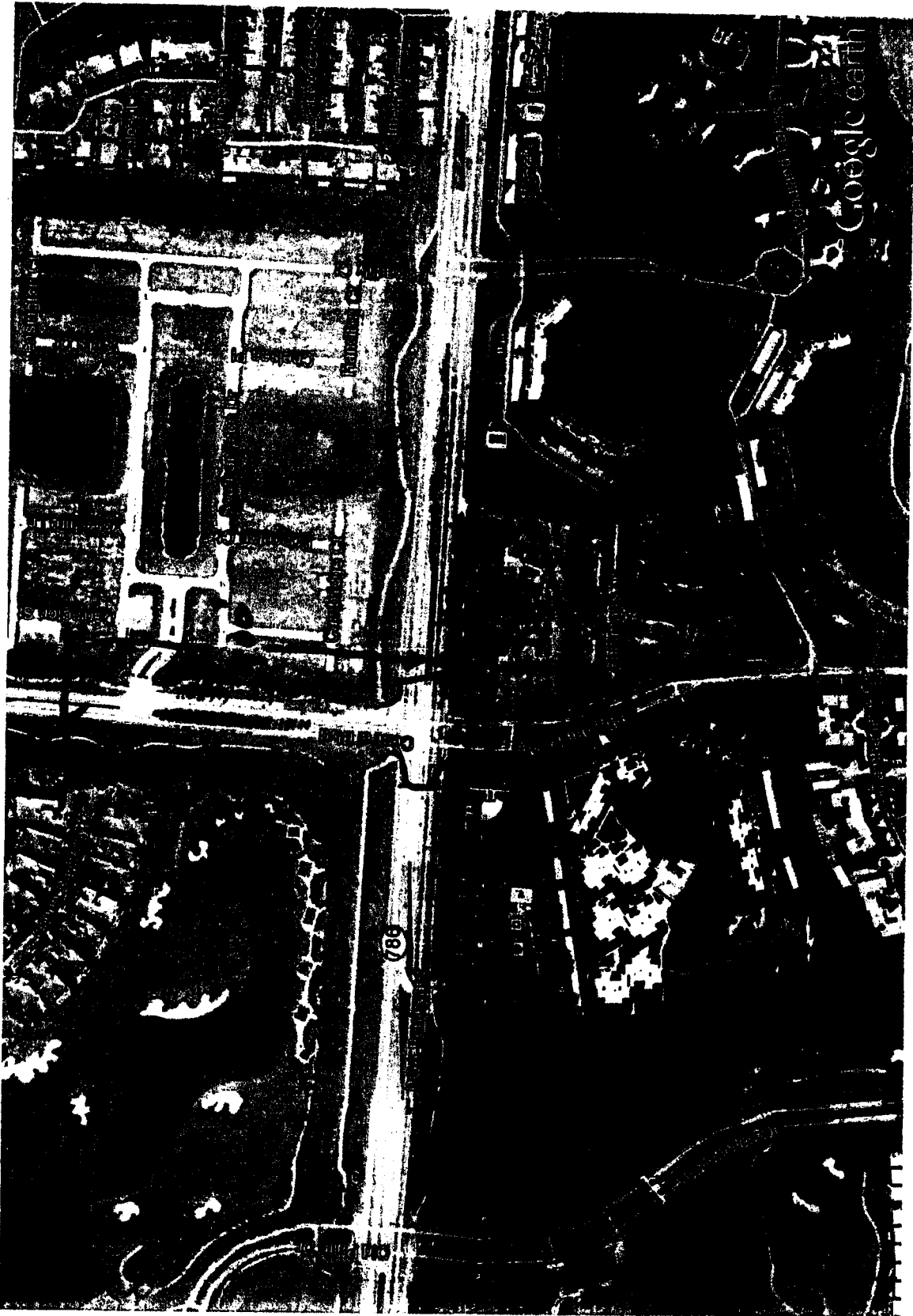
PGA Boulevard and Central Boulevard

Type of Survey: Roadway Design
Size: 1500'±
Date: February 25, 2014

| TASK | 3 MAN CREW | CADD TECH | SURVEY TECH | PLS | COMMENTS |
|------------------------------------|--------------|--------------|--------------|------------|--|
| Meetings and Coordination | | | | | |
| Horizontal Project Network Control | 5 | | 9 | 3 | Establish control and R/W. Review title package. |
| Vertical Project Network Control | 6 | | 1 | | Set benchmarks along corridor |
| Baseline Layout | 2 | | 1 | | Layout baseline at 100' intervals |
| Reference Points | 4 | | 0.5 | | Set 4 references |
| Section Ties | 2 | | 1 | | Tie in PBCo. Horizontal control |
| Subdivision & Property Ties | 4 | | 2 | | Tie in adjoining property corners |
| Topography | 16 | | 4 | 1 | Locate all above ground features including trees (±56) |
| Cross Sections | 8 | | 1 | | At 100' intervals through area within survey limits. |
| Asbuilts | 6 | | 2 | 0.5 | Asbuilt storm structures (12) |
| CADD Base Drawing | | 20 | 4 | 3 | Prepare cadd drawing |
| Total Hours: | ✓ 53 | 20 | ✓ 25.5 | ✓ 7.5 | |
| Rate/Hour | ✓ \$125.00 | ✓ \$66.00 | ✓ \$70.00 | ✓ \$113.00 | |
| Subtotal: | ✓ \$6,625.00 | ✓ \$1,320.00 | ✓ \$1,785.00 | ✓ \$847.50 | |
| Total Labor Cost: | | | | | ✓ \$10,577.50 |

| Other Direct Costs: | quantity | unit | cost/unit | total |
|----------------------------------|----------|---------------|------------|--------|
| Legal Description & Sketch | | each | ✓ \$450.00 | \$0.00 |
| Prints | | sheet | \$1.50 | \$0.00 |
| Shipping | | cost x markup | 1.20 | \$0.00 |
| Total Other Direct Costs: | | | | \$0.00 |

TOTAL PRICE → 2.744 multiplier ✓ \$10,577.50



feet
meters

2000

Attachment B

900

Google earth



March 31, 2014

ARCADIS
2081 Vista Parkway, Suite 200
West Palm Beach, FL 33411

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

Re: **Proposal for Geotechnical Services**
Proposed PGA Boulevard & Central Boulevard Improvement
Palm Beach County, Florida
TSF Proposal No.: 1402-101(revised)

Dear Hank:

As requested, TIERRA SOUTH FLORIDA, INC. (TSF) is pleased to submit this proposal for the above-referenced project. The proposal is based on an email dated March 31, 2014. 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 study is as follow:

1. We understand that the project will include adding a right turn lane on the north approach of Central Blvd, and is about 1500 in length from Commons Drive to 900 feet north of PGA Boulevard. We propose to drill a total 8 auger borings to a depth 6 feet.
2. We propose to drill one (1) Standard Penetration Test (SPT) boring to a depth of 30 feet for the proposed strain pole.
3. Perform one Borehole Permeability test.

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.

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

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

A geotechnical engineer will evaluate the results of all drilling and laboratory testing. A report will be issued that contains the exploration data, a discussion of the site and subsurface conditions, geotechnical recommendations for pavement subgrade, soil parameters for the strain pole, 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 estimated fee will be **\$6,332.00**.

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 two to three days to complete. The written report can be submitted about two weeks after completion of the field exploration, depending on the extent


ARCADIS
TSF Proposal No. 1402-101

of the laboratory-testing program. Verbal preliminary recommendations can be made to appropriate parties prior to submittal of the written report.

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

Respectfully submitted,

TIERRA SOUTH FLORIDA, INC.



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

Attachments: 1. Fee Estimate

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

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. | 30 | \$ 12.00 | \$ 360.00 |
| Grout Boreholes 0 - 50 ft depth | L.F. | 30 | \$ 5.50 | \$ 165.00 |
| Casing Allowance 0 - 50 ft depth | L.F. | 30 | \$ 7.00 | \$ 210.00 |
| Borehole Permeability Test | Each | 1 | \$ 275.00 | \$ 275.00 |
| Roadway Auger Borings | L.F. | 48 | \$ 9.00 | \$ 432.00 |
| 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 | 3 | \$ 10.00 | \$ 30.00 |
| Grain-Size Analysis - Full Gradation | Test | 1 | \$ 60.00 | \$ 60.00 |
| Corrosion Test | Test | 1 | \$ 185.00 | \$ 185.00 |
| Organic Content Tests | Test | 3 | \$ 45.00 | \$ 135.00 |
| III. FIELD ENGINEERING AND TECHNICAL SERVICES | | | | |
| Site Recon./Utility Coordination/MOT Sr. Engineering Technician | Hour | 8 | \$ 65.00 | \$ 520.00 |
| IIIA. ENGINEERING AND TECHNICAL SERVICES | | | | |
| Principal Engineer | Hour | 0 | \$ 145.00 | \$ 0.00 |
| Senior Geotechnical Engineer | Hour | 4 | \$ 125.00 | \$ 500.00 |
| Project Engineer | Hour | 16 | \$ 115.00 | \$ 1,840.00 |
| Draftperson | Hour | 5 | \$ 60.00 | \$ 300.00 |
| Pavement Evaluation | Hours | 0 | \$ 125.00 | \$ 0.00 |
| TOTAL FEE FOR GEOTECHNICAL SERVICES | | | \$ | \$ 6,332.00 |



February 17, 2014
Revised 05/20/14

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

Attention: Mr. Hank Deibel, P.E.

Reference: PGA Boulevard and Central Boulevard
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 north approach to add a second right turn lane, then prepare signalization plans, either strain pole or mast arm depending on feasibility. 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:

- 1. Strain Pole Structural Analysis** – Structural analysis will be provided for a strain pole design. 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 required FDOT structural report and submitted for approval during the permitting process.

Mr. Hank Deibel, P.E.
February 17, 2014 – Page 2
Revised 05/20/14

Scope of Services (Continued)

NOTE: Structural analysis requires soils information to estimate foundation bearing pressure and to develop the appropriate support/foundation structure. Therefore, Item 1 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.

2. **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. 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.

Mr. Henry Deibel, P.E.
February 17, 2014 – Page 3
Revised 05/20/14

Scope of Services (Continued)

- 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.

NOTE: Item 2 assumes Client will provide new internally illuminated Guide Sign designs for inclusion in Signalization Plan set.

- 3. **FDOT Permit Approval Process** - We will meet or respond in writing with FDOT staff, to address the signal plans and resolve all comments.

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

- 4. **Mast Arm Structural Analysis and Plan Revision** – 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. Plans will be revised to account for necessary mast arm detail sheets.
- 5. Provide services during construction as required to certify the completed project to the governing agencies, in general accordance with Attachment "A".
- 6. 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.

Mr. Henry Deibel, P.E.
February 17, 2014 – Page 4
Revised 05/20/14

Scope of Services (Continued)

7. 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.

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.

Mr. Henry Deibel, P.E.
February 17, 2014 – Page 5
Revised 05/20/14

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

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.

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 | = | ~ | \$2,999.36 |
| Item 2 | = | ~ | \$7,948.10 |
| Item 3 | = | ~ | \$3,359.28 |
| | | Item 4 | = ~ \$3,719.41 |

For Items 5 through 7, the Consultant shall be paid at hourly rates according to our existing Palm Beach County contract. For the purpose of this proposal, we are not anticipating projected costs for Items 5, 6 and 7. The above fees are subject to increase one year from the date of this proposal.

Mr. Henry Deibel, P.E.
February 17, 2014 – Page 6
Revised 05/20/14

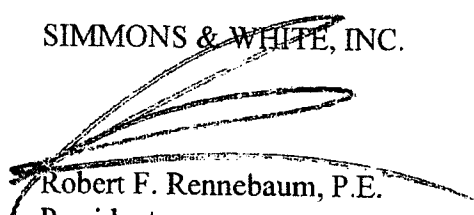
Fees to be Paid (Continued)

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.

Very truly yours,

SIMMONS & WHITE, INC.



Robert F. Rennebaum, P.E.
President

cc: Addressee

sa: x:/docs/proposals/prop.deibelgaandcentralblvd.rev.word

SIMMONS and WHITE
ESTIMATE OF WORK EFFORT FOR ENGINEERING
PGA Blvd and Central Blvd
TRAFFIC SIGNAL DESIGN

| | | |
|--|-----------|------------------|
| Total Contract Cost Computations | \$ | 6,010.00 |
| Total Activity Salary Costs | | |
| (a) Overhead Additives: | | |
| (a1) Combined OH Percent | | 167.80% |
| (a2) Combined OH Cost | \$ | ✓ 10,084.78 |
| Subtotal (Salary + Overhead) | \$ | ✓ 16,094.78 |
| (b) Operating Margin Percent | | 12.00% |
| (b) Operating Margin Cost | \$ | ✓ 1,931.37 |
| Subtotal (Salary Related Cost) | \$ | 18,026.15 |
| Subtotal (Cost Elements of Design Activities) | \$ | 18,026.15 |

TOTAL SERVICES \$ ✓ 18,026.15

REIMBURSABLE ITEMS (Limiting Amount)

✓ 3.0 mtd. pl

TOTAL REIMBURSABLE ITEMS \$.

| | | |
|------------------|-----------|-------------|
| LUMP SUM= | \$ | ✓ 18,026.15 |
|------------------|-----------|-------------|

SIMMONS and WHITE
ESTIMATE OF WORK EFFORT FOR ENGINEERING
PGA Blvd and Central Blvd
TRAFFIC SIGNAL DESIGN

| | Senior Engineer | | MAN HOURS | HOURLY RATE | Senior Designer | | ACTIVITY TOTAL MAN HOURS |
|-------------------|-----------------|-------------|-----------|-------------|-----------------|-------------|--------------------------|
| | MAN HOURS | HOURLY RATE | | | MAN HOURS | HOURLY RATE | |
| STRAIN POLE STRUC | 20.0 | \$ 50.00 | | | - | \$ 30.00 | 20.0 |
| SIGNAL PLANS | 40.0 | \$ 50.00 | - | | 43.0 | \$ 30.00 | 83.0 |
| FDOT PERMITTING | 20.0 | \$ 50.00 | - | | 4.0 | \$ 30.00 | 24.0 |
| MAST ARM ANALYSIS | 12.0 | \$ 50.00 | - | | - | \$ 30.00 | 12.0 |
| | - | \$ 50.00 | - | | - | \$ 30.00 | - |
| | | \$ 50.00 | - | | | \$ 30.00 | - |
| TOTALS | 92.0 | \$ 50.00 | - | | 47.0 | \$ 30.00 | 139.0 |

| | | | |
|--------------------|-------------|------|-------------|
| STRAIN POLE STRUCT | \$ 1,000.00 | \$ - | \$ - |
| SIGNAL PLANS | \$ 2,000.00 | \$ - | \$ 1,290.00 |
| FDOT PERMITTING | \$ 1,000.00 | \$ - | \$ 120.00 |
| MAST ARM ANALYSIS | \$ 600.00 | \$ - | \$ - |
| | \$ - | \$ - | \$ - |
| | \$ - | \$ - | \$ - |
| TOTALS | \$ 4,600.00 | \$ - | \$ 1,410.00 |

| | BY ACTIVITY | COST FOR ACTIVITY | HOURLY RATE |
|-------------------|-------------|-------------------|-------------|
| STRAIN POLE STRUC | 20.0 | \$ 1,000.00 | 50.00 |
| SIGNAL PLANS | 83.0 | \$ 3,290.00 | 39.64 |
| FDOT PERMITTING | 24.0 | \$ 1,120.00 | 46.67 |
| MAST ARM ANALYSIS | 12.0 | \$ 600.00 | 50.00 |
| | - | \$ - | #DIV/0! |
| | - | \$ - | #DIV/0! |
| | - | \$ - | #DIV/0! |
| TOTALS | 139.0 | \$ 6,010.00 | \$43.24 |

Average per hour

3.0 multiplier

1d Militer

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 1 - SIGNAL PLANS

| 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 | 16 | 16 | |
| 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 | 24 | 24 | atlas run for entire system and mast arm analysis |
| 9 | Traffic Signal Operation Report | LS | 1 | 8 | 8 | structural report to FDOT |
| 10 | Quantities | LS | 1 | 0 | 0 | |
| 11 | Cost Estimate | LS | 2 | 2 | 4 | |
| 12 | Technical Special Provisions | LS | 0 | 0 | 0 | |
| Signalization Analysis Technical Subtotal | | | | | 63 | |

Exhibit "A" - Page 32 of 39

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 1 - SIGNAL PLANS

| 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 | 4 | 4 | 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 | | | | | ✓ 10 | |
| 18 | Coordination/FDOT/Permitting | LS | 1 | 24 | 24 | Coordination/FDOT |
| Signalization Analysis Total | | | | | ✓ 97 | |

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 | 2 | 1 | 2 | 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 | 4 | 0 | 4 | |
| 5. | Plan Sheet | Sheet | 2 | 8 | 2 | 16 | |
| 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 | 4 | 0 | 4 | |
| 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 | 8 | 0 | 8 | |
| 12. | Strain Pole Schedule | PI | 1 | 0 | 0 | 0 | |
| SUBTOTAL THIS SHEET | | | | | | ✓ 34 | |

Exhibit "A" - Page 34 of 39

HIGHWAY TASK LIST

ACTIVITY: A. ROADWAY PLANS PACKAGE

SUBACTIVITY: 2 - SIGNAL 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 | | | | | | ✓ 34 | |
| 17 | Quality Assurance/Quality Control | | 0 | 0 | 0 | 0 | |
| 18 | Supervision | | 1 | 8 | 0 | 8 | |
| Signalization Plans Total | | | | | | ✓ 42 | |

Exhibit "A" - Page 35 of 39



A Professional Utility Locating Service

May 20, 2014

Mr. Henry Deibel,
ARCADIS U.S., Inc.
2081 Vista Parkway, Suite 200
West Palm Beach, FL 33411
T: 561 697 7075 | M: 561 718 0541
hank.deibel@arcadis-us.com

Re: "PGA Boulevard & Central Boulevard"

Mr. Deibel,

Ground Hound Detection Services, Inc. (GHD) is pleased to provide the following proposal for vacuum excavation services. Based on the information contained in your email dated February 21, 2014, GHD will provide horizontal utility locations within a 10' radius of traffic mast arms and vacuum excavations to expose and verify specific utilities (TBD).

DESCRIPTION OF SERVICES:

Vacuum excavation is a non-destructive technique used to safely expose utilities using a combination of compressed and vacuum air. Once the utility has been exposed, vertical elevation, diameter and material type can be obtained. Conditions such as groundwater, hard, rocky soils, sub-surface obstructions and targets at deep elevations can limit the effectiveness of vacuum excavation. Targets beyond the limitations of the Vacuum system may be "probed" with an air lance. This technique is effective in determining elevation but may be ineffective for determining outside diameter and material type. Additional fees for excavations may apply on targets greater than 18" in width including but not limited to: pipes, duct banks, conduit systems, manholes, handholes, structures, UST's. **Portions of South Florida have been found to be non-conductive to the vacuum excavation method. GHD would make a diligent effort to provide the desired information. However, if the soil conditions prove to be too difficult or contaminated, GHD reserves the right to cease in its effort so not to create an unsafe environment for its employees and/or the general public.**

Ground Penetrating Radar (GPR) method transmits electromagnetic waves, which are pulsed at discrete distance/time intervals. The transmitted pulse radiates through the earth whereby a portion of the energy is reflected from interfaces of contrasting electrical properties (e.g. pavement and soil interface, soil stratigraphic changes and buried metallic and nonmetallic objects) while the remaining energy continues until reaching additional reflectors where the process is repeated. Reflected energy is received by the antennae and recorded for later processing and interpretation. Factors such as soil moisture, clay content, and variations in the dielectric constants of materials control the effectiveness of the GPR method. Wet conductive soils severely attenuate GPR signals and thus the effective depth of exploration. The presence of foreign product leached into the soil can eschew the data collected. GPR energy cannot transmit through ferrous objects since metal acts as a pure reflector. Freshly-poured concrete (less than 60 days), concrete containing metal fibers, fine-mesh screenings beneath tile, Styrofoam between floor or roof slabs can inhibit the effective permeability and accuracy of GPR. In order to accurately conduct a radar survey, orthogonal scans must be made across the target area. Confined or obstructed areas that restrict an even scanning pattern can impede the data collected and reduce the accuracy of the final results. GPR does not measure diameter of objects or depth of utility, only their horizontal location(s).

Page Two
Mr. Henry Deibel,
May 20, 2014

DESCRIPTION OF SERVICES (Continued):

Electromagnetic induction is a method in which a transmitter signal is applied by directly coupling to a target. As long as the target is metallic, a receiver is used to detect the transmitted signal. Passive detection is another technique used to locate naturally occurring magnetic fields that exist on power cables generating a 50/60 Hz signal. Additionally, passive VLF signals can be detected on other metallic utilities that are typically long in length and are well grounded electrically.

Locating underground utilities is not an exact science. Therefore, Ground Hound Detection Services, Inc. (GHD) expresses no guarantees that using one or any of the available technologies for identifying utilities/structures will identify all utilities/structures and/or meet the objective of this or any individual project. ARCADIS U.S., Inc. understands that limitations within the available technology, the complexity of site conditions and circumstances beyond the control of GHD may limit the performance/results of the GHD's services. Project Owners, ARCADIS U.S., Inc. and any of its Subcontractors shall hold harmless and indemnify GHD against any and all losses as a result of inability to locate or mislocate due to limitations within the available technology, the complexity of site conditions and circumstances beyond its control, but not against negligence on the part of GHD or its employees. The services provided by GHD shall be performed in accordance with generally accepted professional practices as related to the nature of services performed. Payment to GHD shall not be contingent upon its performance or results due to any limiting condition as described. Hand digging is required in all situations when excavating within 24" of GHD's markings.

This proposal constitutes the entire agreement between the parties. The agreement may not be altered, modified or conditioned in any respect without the prior written consent of all parties. Documents such as but not limited to "change orders", "purchase orders", sub-contract agreements, and statements of terms and conditions of work shall require prior written acceptance by GHD to be binding. Payment to GHD for work performed pursuant to this proposal shall not be contingent upon GHD's consent to any proposed alteration, modification or condition to the agreement.

CONDITIONS: Locating underground utilities for design/pre-excavation:

- Utility locations are being provided in an attempt to prevent or reduce the likelihood of damage during excavation and /or provide design information.
- Areas to be investigated must be level and free of obstructions. EM and GPR discovery may be limited up to 24" within any vertical impediment, structure or otherwise.
- Results are dependent upon field conditions at the time of locating services.
- GHD's inability to complete the project due to delays, conditions outside GHD's control does not void this contract.
- If GHD is to produce a drawing (optional, additional fee), customer is responsible for providing an electronic AutoCAD file for GHD to use as a base to drop its discoveries on. If a file is not available, additional costs and time to produce the drawing are likely.
- Drawings produced by GHD (optional, additional fee) are not considered to be "survey grade" drawings. GHD will include dimensions from a fixed feature in the field/drawing to the horizontal position of the target being depicted. Drawings are not prepared by a licensed Engineer, Surveyor or Draftsman. In addition, drawings are not prepared to any State survey or drafting standard.
- If GHD reviews its discoveries with others responsible for mapping/data collection, a copy of the file must be provided to GHD to review for errors and omissions.
- APWA standards are used for marking.
- GHD is not responsible for, moved, altered, obliterated or maintaining marks. GHD will impose an additional fee to relocate/remark facilities.
- If underground facilities are damaged, whether marked by GHD or not, it is your obligation to notify a representative of GHD immediately at the time of damage.
- Any available as-builts, engineered or other record drawings with regards to any utilities within the project limits shall be made available to GHD for its review prior to commencement of field work.

Page Three
 Mr. Henry Deibel,
 May 20, 2014

DESCRIPTION OF SERVICES (Continued):

- GHD is not a substitute for Chapter 556 of the FL State Statute (Underground Facility Damage Prevention and Safety Act). Prior to project construction, excavating contractor is responsible for securing locations of public utilities through Sunshine State One Call of Florida (Phone # 811).
- The performance of GHD's services is limited to full and unobstructed access to include but not limited to: mechanical rooms, manholes, hand holes, vaults, meter rooms, telecom rooms, fixtures (plumbing, electrical, communication), dispensers, fenced compounds, tanks and structures. Full cooperation from the on site personnel is necessary to perform a complete investigation.

COST ESTIMATE:

EM & GPR Investigation

- Perform/verify horizontal locations of existing detectable utilities using EM & GPR techniques.
- Mark selected targets on the ground surface as necessary.
- Review all discoveries with on site personnel.

| | | |
|-----------------|----------------------------|------------|
| EM & GPR Survey | 4 hour minimum @ \$225/ hr | ✓ \$900.00 |
|-----------------|----------------------------|------------|

Vacuum Excavation

- Verify horizontal location of target utilities using EM & GPR techniques.
- Perform vacuum excavation of specific utilities, record all pertinent information.
- Provide test hole data sheets depicting our discoveries.

| | | |
|--|-----------------------|---------------------|
| Hard Surface Excavation w/ restoration | 3 @ \$350/excavation* | ✓ \$1,050 |
| Soft Surface Excavation | 3 @ \$250/excavation* | ✓ \$750 |
| Maintenance of Traffic (if required) | | |
| Permit Fee (if required) | TBD** | \$200 |
| Permit Administrative fee (if required) | | \$180 |
| Maintenance Of Traffic Equipment (If Needed) | 1 day @ \$420 | ✓ \$420 |
| Total Fee | | ✓ \$3,500.00 |

**There is a four (4) excavation minimum for vacuum excavation services.*

***Varies by agency*

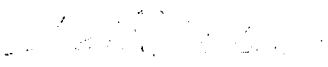
The above cost is effective for 30 days from the date of this proposal. Costs are subject to change upon unforeseen conditions including, but not limited to: restoration requirements, Maintenance-of-Traffic (MOT), Permits and/or any other requirements set forth by any governing agencies which may have jurisdiction over the project. Any changes will be negotiated accordingly. All service rates include a two man crew. Field time may be reduced by using added crews. Additional crew members are billed out at \$112.50/ man hour. In no event shall payment to GHD be made later than 45 days from submission of its invoice, irrespective of Contractor's receipt of payment from Owner.

Page Four
Mr. Henry Deibel,
May 20, 2014

The above cost is effective for 30 days from the date of this proposal. Costs are subject to change upon unforeseen conditions including, but is not limited to: restoration requirements, Maintenance-of-Traffic (MOT), Permits and/or any other requirements set forth by any governing agencies which may have jurisdiction over the project. Any changes will be negotiated accordingly. All service rates include a two man crew. Field time may be reduced by using added crews. Additional crew members are billed out at \$112.50/ man hour. In no event shall payment to GHD be made later than 45 days from submission of its invoice, irrespective of Contractor's receipt of payment from Owner.

Mr. Deibel, thank you for allowing us to present this proposal. Should you have any questions please contact me at: 561-737-9800.

Sincerely,


Sean Halsey, South Florida Director
Ground Hound Detection Services, Inc.

Accepted by

Print Name of Signer

Title/Company

Date

Re: "PGA Boulevard & Central Boulevard"

CERTIFICATION STATEMENTS

Exhibit "B" – Page 1 of 2

Project: **PGA Boulevard and Central Boulevard Intersection Improvements**
Project No.: **2014504**

Consultant/Annual Consultant: **Arcadis U.S., Inc.**

TRUTH-IN-NEGOTIATION STATEMENT

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

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

PUBLIC ENTITY CRIMES STATEMENT

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

NON-DISCRIMINATION STATEMENT

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



Robert Lawson, P.E., Vice President

CONFLICT OF INTEREST DISCLOSURE FORM

Exhibit "B" - Page 2 of 2

Project: PGA Boulevard and Central Boulevard Intersection Improvements

Project No.: 2014504

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

(Attach additional sheets as needed.)

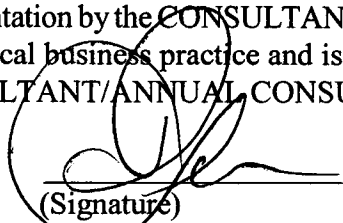
CONSULTANT/ANNUAL CONSULTANT further represents that no person having any interest shall be employed for said performance. By signing below, CONSULTANT/ANNUAL CONSULTANT certifies that the information contained herein is true and correct and constitutes all current potential conflicts of interest which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

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

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

THIS DISCLOSURE is submitted by Robert W. Lawson, P.E., as
(Name of Individual)
Vice President, of Arcadis U.S., Inc.
(Title/Position) (Firm Name of CONSULTANT/ANNUAL CONSULTANT)

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


(Signature)

7/2/14
(Date)

Palm Beach County
Engineering & Public Works Roadway Production

PARTICIPATION FOR MWBE/SBE CONSULTANTS
Contract

Exhibit "C" – Page 1 of 2

| | |
|--|---|
| Project Name: PGA Boulevard and Central Boulevard Intersection Improvements | Project Number: 2014504 |
| Prime Vendor: Arcadis U.S., Inc. | Resolution Number: |
| Telephone: (561) 697-7000 | Resolution Date: 5/19/2014 |
| 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 |
| <hr/> | | | | | | |
| 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 | 14,306.74 |
| <hr/> | | | | | | |
| Brown & Phillips, Inc. 1860 OLD OKEECHOBEE ROAD, SUI WEST PALM BEACH, FL 33409 (561) 615-3988 | MWBE | 0.00 | 0.00 | 0.00 | 0.00 | |
| | SBE | 10,577.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| <hr/> | | | | | | |
| 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 | 6,332.00 | 0.00 |
| <hr/> | | | | | | |
| Ground Hound Detection Services, Inc. 561-737-9800 | MWBE | 0.00 | 0.00 | 0.00 | 0.00 | |
| | SBE | 0.00 | 0.00 | 0.00 | 0.00 | 3,500.00 |
| <hr/> | | | | | | |
| 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 | 3,719.41 |
| <hr/> | | | | | | |
| Brown & Phillips, Inc. 1860 OLD OKEECHOBEE ROAD, SUI WEST PALM BEACH, FL 33409 (561) 615-3988 | MWBE | 0.00 | 0.00 | 0.00 | 0.00 | |
| | SBE | 450.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <hr/> | | | | | | |
| Total Contract Authorizatoin \$125,168.61 | Total MWBE | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Percentage | 0.00% | 0.00% | 0.00% | 0.00% | |
| | Total SBE | 11,027.50 | 0.00 | 0.00 | 6,332.00 | 21,526.15 |
| | Percentage | 8.81% | 0.00% | 0.00% | 5.06% | 17.20% |

SCHEDULE 1

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

PROJECT NAME OR BID NAME: PGA Blvd. and Central Blvd. Intersection Improvements PROJECT NO. OR BID NO.: 2014504
 NAME OF PRIME BIDDER: Arcadis U.S., Inc. ADDRESS: 2081 Vista Parkway West Palm Beach Fl
 CONTACT PERSON: Henry Delbel PHONE NO.: 561.697.7075 FAX NO.: 561.697.7751
 BID OPENING DATE: _____ USER DEPARTMENT: Engineering & Public Works

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

| Name, Address and Phone Number | (Check one or both Categories) | | DOLLAR AMOUNT OR PERCENTAGE OF WORK | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|----------|-------|-----------|---------------------------|
| | M/WBE Minority Business | SBE Small Business | Black | Hispanic | Women | Caucasian | Other (Please Specify) |
| 1. Ground Hound Detection Services, Inc 2930 NW Commerce Park Drive, Suite 1 Boynton Beach, Fl 33426 561.737.9800 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | 2.80% | |
| 2. Tierra South Florida Inc. 2765 Vista Parkway Suite 10 West Palm Beach, Fl 33411 561.687.8536 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | 5.06% Asian |
| 3. Simmons & White, Inc. 5601 Corporate Way 200 West Palm Beach, Fl 33407 561.478.7848 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | | 14.40% | |
| 4. Brown & Phillips, Inc. 901 Northpoint Parkway Suite 19 West Palm Beach, Fl 33407 561.615.3988 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 8.81% | | | | |

(Please use additional sheets if necessary)

Total Bid Price \$ 125,168.61 Total SBE-M/WBE Participation Dollar Amount or Percentage of Work 8.81% 17.2% 5.06% 31.07%

- Note:
- The amount listed on this form for a subcontractor must be supported by price or percentage listed on the signed Schedule 2 or signed proposal in order to be counted toward goal attainment.
 - Firms may be certified by Palm Beach County as an SBE and/or M/WBE. If firms are certified as both an SBE and M/WBE, please indicate the dollar amount or percentage under the appropriate category.
 - M/WBE information is being collected for tracking purposes only.

Revised 03/15/2011

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

Exhibit "D" – Page 1 of 4

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

PROJECT NUMBER: 2014504 PROJECT NAME: PGA Boulevard and Central Boulevard Intersection Improvements

TO: Arcadis U.S., Inc.
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a - (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise
Black Hispanic Women Caucasian Other (Please Specify) _____

Date of Palm Beach County Certification: January 28, 2014 to January 27, 2016

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

| Line Item/ Lot No. Item Description | Qty/Units | Unit Price | Total Price/ Percentage |
|--|---------------|--------------------|----------------------------|
| <u>Roadway Design Survey</u> | <u>1 / LS</u> | <u>\$10,577.50</u> | <u>\$10,577.50</u> |
| <u>Legal Description & Sketch</u> | <u>1 / EA</u> | <u>\$450.00</u> | <u>\$450.00</u> |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

at the following price or percentage
(\$11,027.50) 8.81%
(Subcontractor's quote)

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

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

Price and/or Percentage _____ / _____
(Name of Subcontractor)

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

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

Arcadis U.S., Inc.
Print name of Prime Contractor
By: [Signature]
Signature
Robert W. Lawson VP.
Print name/title of person executing on behalf
Prime Contractor

Brown & Phillips, Inc.
Print name of SBE-M/WBE Subcontractor
By: [Signature]
Signature
John E. Phillips, III / President
Print name/title of person executing on behalf
of SBE/M/WBE Subcontractor

**OSBA SCHEDULE 2
LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE SUBCONTRACTOR Exhibit "D" – Page 2 of 4**

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

PROJECT NUMBER: 2014504 PROJECT NAME: PGA Boulevard and Central Boulevard Intersection Improvements

TO: Arcadis U.S., Inc.
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a - (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise _____
Black _____ Hispanic _____ Women _____ Caucasian Other (Please Specify) _____

Date of Palm Beach County Certification: July 26, 2011

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

| Line Item/ Lot No. Item Description | Qty/Units | Unit Price | Total Price/ Percentage |
|--|-----------|------------|----------------------------|
| _____ Vacuum Excavation _____ | _____ | _____ | <u>\$3,500.00</u> |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

at the following price or percentage
2.80%
(Subcontractor's quote)

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

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

Price and/or Percentage _____ / _____
(Name of Subcontractor)

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

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

Arcadis U.S., Inc.
Print name of Prime Contractor
By: _____
Signature
Robert W. Lawson, V.P.
Print name/title of person executing on behalf
Prime Contractor

Ground Hoard Detection Services, Inc.
Print name of SBE-M/WBE Subcontractor
By: _____
Signature
Sean Halsey/ South Florida Director
Print name/title of person executing on behalf
of SBE/M/WBE Subcontractor

**OSBA SCHEDULE 2
LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE SUBCONTRACTOR Exhibit "D" – Page 3 of 4**

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

PROJECT NUMBER: 2014504 PROJECT NAME: PGA Boulevard and Central Boulevard Intersection Improvements

TO: Arcadis U.S., Inc.
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a - (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise _____
Black _____ Hispanic _____ Women _____ Caucasian Other (Please Specify) _____

Date of Palm Beach County Certification: June 22, 2013 – June 21, 2016

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

| Line Item/ Lot No. Item Description | Qty/Units | Unit Price | Total Price/ Percentage |
|--|-----------|------------|----------------------------|
| <u>Signal Design/Permitting</u> | _____ | _____ | <u>\$18,026.15</u> |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

at the following price or percentage
14.40%
(Subcontractor's quote)

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

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

Price and/or Percentage _____ / _____
(Name of Subcontractor)

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

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

Arcadis U.S., Inc.
Print name of Prime Contractor
By: [Signature]
Signature
Robert W. Laurin, VP.
Print name/title of person executing on behalf
Prime Contractor

Simmons & White, Inc.
Print name of SBE-M/WBE Subcontractor
By: [Signature]
Signature
Robert F. Rennebaum, P.E., President
Print name/title of person executing on behalf
of SBE/M/WBE Subcontractor

Revised 10/11/2011 Date: 6/24/14

**OSBA SCHEDULE 2
LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE SUBCONTRACTOR** **Exhibit "D" – Page 4 of 4**

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

PROJECT NUMBER: 2014504 PROJECT NAME: PGA Boulevard and Central Boulevard Intersection Improvements

TO: Arcadis U.S., Inc.
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a - (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise
Black Hispanic Women Caucasian Other (Please Specify) Asian

Date of Palm Beach County Certification: 2/15/2015

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

| Line Item/ Lot No. Item Description | Qty/Units | Unit Price | Total Price/ Percentage |
|--|-----------------|-------------------|----------------------------|
| <u>I. Field Investigation</u> | <u>Lump Sum</u> | <u>\$2,592.00</u> | <u>\$2,592.00</u> |
| <u>II. Laboratory Testing</u> | <u>Lump Sum</u> | <u>\$ 580.00</u> | <u>\$ 580.00</u> |
| <u>III. Field Engineering & Technical Services</u> | <u>Lump Sum</u> | <u>\$ 520.00</u> | <u>\$ 520.00</u> |
| <u>IIIA. Engineering & Technical Services</u> | <u>Lump Sum</u> | <u>\$2,640.00</u> | <u>\$ 2,640.00</u> |
| <u>Total</u> | | | <u>\$ 6,332.00</u> |

at the following price or percentage
5.06%
(Subcontractor's quote)

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

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

Price and/or Percentage _____ / _____
(Name of Subcontractor)

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

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

Arcadis U.S., Inc.
Print name of Prime Contractor
By: [Signature]
Signature
Robert Lawson, V.P.
Print name/title of person executing on behalf
Prime Contractor

Tierra South Florida, Inc.
Print name of SBE-M/WBE Subcontractor
By: [Signature]
Signature
Raj Krishnasamy, PE, President
Print name/title of person executing on behalf
of SBE/M/WBE Subcontractor
Date: 6/24/14



CERTIFICATE OF LIABILITY INSURANCE

DATE: MM/DD/YYYY
02/10/2014

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.): (800) 363-0105 | |
| | E-MAIL ADDRESS: | |
| INSURED Arcadis U.S, Inc. 630 Plaza Drive Suite 200 Highlands Ranch CO 80129 USA | INSURER(S) AFFORDING COVERAGE | |
| | INSURER A: Steadfast Insurance Company | 26387 |
| | INSURER B: Lexington Insurance Company | 19437 |
| | INSURER C: | |
| | INSURER D: | |
| | INSURER E: | |

Holder Identifier :

COVERAGES **CERTIFICATE NUMBER:** 570054060465 **REVISION NUMBER:**

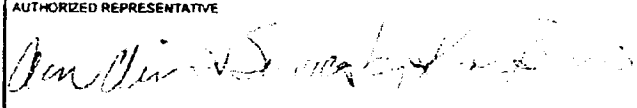
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE 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 INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|-----------|----------|---|-------------------------|-------------------------|--|
| | COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liability GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJ <input type="checkbox"/> JECT <input type="checkbox"/> CUST <input type="checkbox"/> OTHER: | | | | | | 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"/> ALLOWED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> Property Damage li | | | | | | COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) |
| | UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION | | | | | | EACH OCCURRENCE AGGREGATE |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | <input type="checkbox"/> PFR STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT E.L. DISEASE-EA EMPLOYEE E.L. DISEASE-POLICY LIMIT |
| A | Contractor Poll | | | IPR929693800 Professional & Pollution SIR applies per policy terms & conditions | 06/01/2014 | 06/01/2015 | Each Claim \$3,000,000 Annual Aggregate \$5,000,000 |

Certificate No : 570054060465

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: Project Name: For All Projects with Palm Beach County. 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. Policy has full prior acts coverage.

CERTIFICATE HOLDER**CANCELLATION**

| | |
|---|--|
| Palm Beach County Board of County Commissioners c/o Engineering & Public Works Dept. 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  |

AGENCY CUSTOMER ID: 57000005571
 LOC #:



ADDITIONAL REMARKS SCHEDULE

Page _ of _

| | | | |
|---|-----------|-------------------------------------|--|
| NAME Aon Risk Services South, Inc. | | NAMED INSURED Arcadis U.S., Inc. | |
| POLICY NUMBER See Certificate Number: 570054060465 | | | |
| FORMER | NAIC CODE | EFFECTIVE DATE | |
| See Certificate Number: 570054060465 | | | |

ADDITIONAL REMARKS

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

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|-------------------------------|--------|
| INSURER | |
| INSURER | |
| INSURER | |
| INSURER | |

ADDITIONAL POLICIES If a policy below does not include limit information, refer to the corresponding policy on the ACORD certificate form for policy limits.

| INSURER | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFFECTIVE DATE (MM/DD/YYYY) | POLICY EXPIRATION DATE (MM/DD/YYYY) | LIMITS | |
|---------|-------------------|-----------|----------|--|------------------------------------|-------------------------------------|------------|-------------|
| | OTHER | | | | | | | |
| B | Archit&Eng Prof | | | 015448990 Excess Prof/Poll Liabili SIR applies per policy terms & conditions | 06/01/2014 | 06/01/2015 | Each claim | \$2,000,000 |
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CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
04/09/2014

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.): 800-363-0105 E-MAIL ADDRESS: | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------|-------------------------------|--|--------|--|--|-------|--------------------------------------|--|-------|------------|--|--|------------|--|--|------------|--|--|------------|--|
| | <table border="1"> <tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr> <tr><td>INSURER A: Greenwich Insurance Company</td><td></td><td>22322</td></tr> <tr><td>INSURER B: XL Specialty Insurance Co</td><td></td><td>37885</td></tr> <tr><td>INSURER C:</td><td></td><td></td></tr> <tr><td>INSURER D:</td><td></td><td></td></tr> <tr><td>INSURER E:</td><td></td><td></td></tr> <tr><td>INSURER F:</td><td></td><td></td></tr> </table> | | INSURER(S) AFFORDING COVERAGE | | NAIC # | INSURER A: Greenwich Insurance Company | | 22322 | INSURER B: XL Specialty Insurance Co | | 37885 | INSURER C: | | | INSURER D: | | | INSURER E: | | | INSURER F: | |
| INSURER(S) AFFORDING COVERAGE | | NAIC # | | | | | | | | | | | | | | | | | | | | |
| INSURER A: Greenwich Insurance Company | | 22322 | | | | | | | | | | | | | | | | | | | | |
| INSURER B: XL Specialty Insurance Co | | 37885 | | | | | | | | | | | | | | | | | | | | |
| INSURER C: | | | | | | | | | | | | | | | | | | | | | | |
| INSURER D: | | | | | | | | | | | | | | | | | | | | | | |
| INSURER E: | | | | | | | | | | | | | | | | | | | | | | |
| INSURER F: | | | | | | | | | | | | | | | | | | | | | | |
| INSURED Arcadis U.S. Inc. 630 Plaza Drive Suite 200 Highlands Ranch CO 80129 USA | INSURER A: Greenwich Insurance Company 22322 INSURER B: XL Specialty Insurance Co 37885 INSURER C: INSURER D: INSURER E: INSURER F: | | | | | | | | | | | | | | | | | | | | | |

Holder Identifier : ABFG

Certificate No : 570053429080

**COVERAGES**

CERTIFICATE NUMBER: 570053429080

REVISION NUMBER:

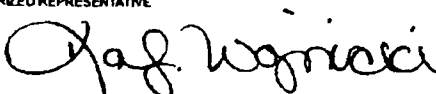
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE 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.

| BSR LTR | TYPE OF INSURANCE | ADDITIONAL SUBROGATION WAIVED | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|---------|--|-------------------------------|--|-------------------------|-------------------------|---|
| A | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liability GEN'L AGGREGATE LIMIT APPLIES PER POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER | | GEC001076112 | 01/01/2014 | 01/01/2015 | 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 - COMP/OP AGG \$2,000,000 |
| B | <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> MIXED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> Property Damage to | | AEC001075812 AOS AEC001719510 MA | 01/01/2014 | 01/01/2015 | COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 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 <input type="checkbox"/> DED <input type="checkbox"/> RETENTION | | | | | EACH OCCURRENCE AGGREGATE |
| B | <input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input checked="" type="checkbox"/> ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NY) If yes, describe under DESCRIPTION OF OPERATIONS below | Y/N N | RWD943516308 All Other States RWR943516708 WZ | 01/01/2014 | 01/01/2015 | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER 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 (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Palm Beach County Board of County Commissioners, Political subdivision of the State of Florida, its officers, employees and agents are included as Additional Insured in accordance with the policy provisions of the General Liability policy. General Liability and Automobile Liability policies evidenced herein are primary to other insurance available to Additional Insured, but only in accordance with the policy's provisions. A waiver of Subrogation is granted in favor of Palm Beach County Board of County Commissioners, Political Subdivision of the State of Florida, its officers, employees and agents in accordance with the policy provisions of the General Liability, Automobile Liability and Workers' Compensation Policies. Severability of Interests applies as if each Named Insured were the only Named Insured; and separately to each insured against whom claim is made or suit

CERTIFICATE HOLDER**CANCELLATION**

| | |
|---|--|
| Palm Beach County Board of County Commissioners c/o Department of Engineering & Public Works 2300 N. Jog Road, 3 Floor West Palm Beach FL 33411-2745 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  |

AGENCY CUSTOMER ID: 570000005571

LOC #:



ADDITIONAL REMARKS SCHEDULE

Page _ of _

| | | | |
|---|-----------|------------------------------------|--|
| AGENCY Aon Risk Services South, Inc. | | NAMED INSURED Arcadis U.S, Inc. | |
| POLICY NUMBER See Certificate Number: 570053429080 | | | |
| CARRIER See Certificate Number: 570053429080 | NAIC CODE | EFFECTIVE DATE | |

ADDITIONAL REMARKS

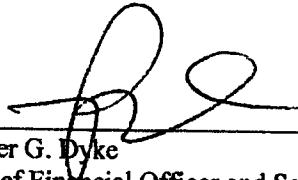
**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance**

Additional Description of Operations / Locations / Vehicles:
is brought.

CORPORATE CERTIFICATE

I, Peter G. Dyke, the Chief Financial Officer of ARCADIS U.S., Inc. (the "Corporation"), do HEREBY CERTIFY and attest that Hank Deibel, Associate Vice President, and Robert Lawson, Vice President, are hereby duly authorized and empowered by the Chief Executive Officer of the Corporation in accordance with the resolution of the Board of Directors and bylaws to execute, on behalf of the Corporation, contracts between Palm Beach County, Florida and ARCADIS U.S., Inc., for engineering services for intersection and roadway projects.

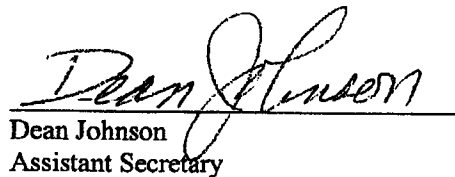
In TESTIMONY WHEREOF, I have hereunto set my hand this 3rd day of May, 2012



Peter G. Dyke
Chief Financial Officer and Senior Vice President

In WITNESS WHEREOF, I have hereunto set my hand and the seal of said corporation this 3rd day of May, 2012.

(Corporate Seal)



Dean Johnson
Assistant Secretary



**PGA Boulevard & Central Boulevard
Intersection Improvements
Palm Beach County Project Number 2014504**

| ID | Task Name | Duration | Start | Finish | 2014 | | | | | | | | | | | | | | | | | |
|----|--------------------------|----------|--------------|--------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | | | | | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | |
| 1 | Field Survey | 22 days | Mon 9/1/14 | Tue 9/30/14 | | | ■ | | | | | | | | | | | | | | | |
| 2 | Master Plan | 22 days | Wed 10/1/14 | Thu 10/30/14 | | | | ■ | | | | | | | | | | | | | | |
| 3 | County Review | 11 days | Mon 11/3/14 | Mon 11/17/14 | | | | | ■ | | | | | | | | | | | | | |
| 4 | 35% Plans | 22 days | Tue 11/18/14 | Wed 12/17/14 | | | | | ■ | | | | | | | | | | | | | |
| 5 | County Review | 22 days | Thu 12/18/14 | Fri 1/16/15 | | | | | | ■ | | | | | | | | | | | | |
| 6 | 65% Plans | 44 days | Mon 1/19/15 | Thu 3/19/15 | | | | | | | ■ | | | | | | | | | | | |
| 7 | County Review | 45 days | Fri 3/20/15 | Thu 5/21/15 | | | | | | | | ■ | | | | | | | | | | |
| 8 | SFWMD Permit Application | 66 days | Mon 5/25/15 | Mon 8/24/15 | | | | | | | | | | | ■ | | | | | | | |
| 9 | 96% Plans | 44 days | Mon 5/25/15 | Thu 7/23/15 | | | | | | | | | | | ■ | | | | | | | |
| 10 | County Review | 15 days | Mon 7/27/15 | Fri 8/14/15 | | | | | | | | | | | | ■ | | | | | | |
| 11 | 100% Plans | 33 days | Mon 8/17/15 | Wed 9/30/15 | | | | | | | | | | | | | ■ | | | | | |
| 12 | County Review | 33 days | Thu 10/1/15 | Mon 11/16/15 | | | | | | | | | | | | | | ■ | | | | |
| 13 | Final Plans | 10 days | Tue 11/17/15 | Mon 11/30/15 | | | | | | | | | | | | | | | | | ■ | |

| | | | | | | |
|--|-----------------|--|--------------------|--|-----------------------|--|
| Project: PGA Blvd & Central blvd 7-2-1 Date: Wed 7/2/14 | Task | | External Milestone | | Manual Summary Rollup | |
| | Split | | Inactive Task | | Manual Summary | |
| | Milestone | | Inactive Milestone | | Start-only | |
| | Summary | | Inactive Summary | | Finish-only | |
| | Project Summary | | Manual Task | | Progress | |
| | External Tasks | | Duration-only | | Deadline | |