

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

**Submitted For: Roadway Production Division**

F:\ROADWAY\CCNA\Annuals\TESTING\2015\Master AIS for Contract Renewals-DET PSI Radise Rev3.doc

## II. FISCAL IMPACT ANALYSIS

### A. Five Year Summary of Fiscal Impact:

| Fiscal Years            | 2016   | 2017 | 2018 | 2019 | 2020 |
|-------------------------|--------|------|------|------|------|
| Capital Expenditures    | \$ -0- | -0-  | -0-  | -0-  | -0-  |
| Operating Costs         | -0-    | -0-  | -0-  | -0-  | -0-  |
| External Revenues       | -0-    | -0-  | -0-  | -0-  | -0-  |
| Program Income (County) | -0-    | -0-  | -0-  | -0-  | -0-  |
| In-Kind Match (County)  | -0-    | -0-  | -0-  | -0-  | -0-  |
| NET FISCAL IMPACT       | \$ **  | -0-  | -0-  | -0-  | -0-  |
| # ADDITIONAL FTE        |        |      |      |      |      |
| POSITIONS (Cumulative)  |        |      |      |      |      |

Is Item Included in Current Budget?    Yes    No

Budget Acct No.: Fund\_\_ Dept.\_\_ Unit\_\_ Object  
Program

### Recommended Sources of Funds/Summary of Fiscal Impact:

\*\* Fiscal impact is indeterminable at this time. These annual agreements are authorized to provide services on a task order basis. Funding will be established by project as necessary.

C. Departmental Fiscal Review: Alii Kovalainen

## III. REVIEW COMMENTS

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

Shen Bo  
SP PRD OFMB Se  
10/1 10/1 10/1

Dr. J. Jacobson 10/5/15  
Contract Dev. and Control  
B. Cochran 10-5-15

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

Markus R. Smith  
Assistant County Attorney

### C. Other Department Review:

\_\_\_\_\_  
Department Director

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

**SUMMARY:** (Continued from Page 1)

two possible one year renewals contemplated in the original contracts. To date, no tasks have been authorized for DET or PSI. To date, tasks in the amount of \$9,865 have been authorized for Radise with 100% Small Business Enterprise (SBE) participation which exceeds their commitment of 95%. The consultants are all Palm Beach County companies. Radise is certified as an SBE.

**Background and Justification:** (Continued from Page 1)

These first amendments to the contracts have been reviewed with DET, PSI and Radise, and staff recommends the first renewal of the attached consultant annual contracts. This transaction will maintain the continuous process of professional services required by the County.

**FIRST AMENDMENT TO THE ANNUAL CONSTRUCTION MATERIALS TESTING,  
GEOTECHNICAL ENGINEERING & INSPECTION  
CONTRACT NO. R2014-1662  
DATED NOVEMBER 18, 2014, BY AND BETWEEN  
DUNKELBERGER ENGINEERING & TESTING, INC., AND PALM BEACH COUNTY**

THIS FIRST AMENDMENT to the Annual Construction Materials Testing, Geotechnical Engineering & Inspection Contract dated November 18, 2014, (R2014-1662), hereinafter "CONTRACT" by and between Dunkelberger Engineering & Testing, Inc., hereinafter "CONSULTANT" and the Board of County Commissioners of Palm Beach County, a political subdivision of the state of Florida, hereinafter, "COUNTY".

**W I T N E S S E T H**

WHEREAS, on November 18, 2014, the CONSULTANT and COUNTY entered into a twelve month Annual Construction Materials Testing, Geotechnical Engineering & Inspection Contract for engineering services and other related tasks throughout Palm Beach County; and

WHEREAS, the CONTRACT provides that the contract may be extended, at the COUNTY's option for a defined period of time, not to exceed thirty-six months total contract time, upon approval of the Board of County Commissioners; and

WHEREAS, this is the first of the two allowable one (1) year term CONTRACT extensions per section 4.1; and

WHEREAS, by this amendment, the CONSULTANT and the COUNTY mutually agree to amend the CONTRACT terms to extend the expiration date of the CONTRACT from November 17, 2015 to November 17, 2016, with all original terms, conditions and unit prices adhered to; and

WHEREAS, the original CONTRACT provides in section 5.3.2 that the rates may be adjusted by negotiation; and

WHEREAS, by this amendment, the CONSULTANT and the COUNTY mutually agree to amend the CONTRACT terms to modify the Fee Schedule of the CONTRACT from Exhibit B in the Original Contract to the revised Fee Schedule provided by Dunkelberger Engineering & Testing, Inc. dated May 5, 2015, and attached hereto as Exhibit B1.

NOW, THEREFORE, in consideration of the mutual covenants, promises, and agreements herein contained, the parties agree as follows:

1. The above recitations are true and correct and incorporated herein.
2. The CONTRACT, dated November 18, 2014, between the CONSULTANT and the COUNTY is hereby amended to extend the expiration date of the CONTRACT from November 17, 2015 to November 17, 2016.

3. The Fee Schedule shown as Exhibit B in the Original Contract is hereby modified as shown in the revised Fee Schedule provided by Dunkelberger Engineering & Testing, Inc. dated May 5, 2015, and attached hereto as Exhibit B1.
4. It is the intent of the parties hereto that this Amendment shall not become binding until the date executed by the COUNTY.
5. Except as provided herein, all other provisions of the Annual Construction Materials Testing, Geotechnical Engineering & Inspection Contract dated November 18, 2014, hereby confirmed shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused this Amendment to be executed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 2015.

ATTEST:  
SHARON R. BOCK  
Clerk and Comptroller

PALM BEACH COUNTY, a Political  
Subdivision of the State of Florida  
Board of County Commissioners

By: \_\_\_\_\_  
Deputy Clerk

By: \_\_\_\_\_  
Shelley Vana, Mayor

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY

APPROVED AS TO TERMS  
AND CONDITIONS

By: \_\_\_\_\_  
County Attorney

By: *Daniel A. Fernandez*  
Engineering

ATTEST:

Dunkelberger Engineering & Testing, Inc.  
Consultant

By: *[Signature]*  
Secretary or Asst. Secretary

By: *[Signature]*  
(Signature)

(Seal)

Douglas S. Dunkelberger, P.E., President  
(Print Name and Title)

Exhibit B1

SCOPE OF WORK

Dates OK  
12/29/15

The general scope of work consists of geotechnical engineering, geotechnical drilling, construction materials testing and inspection, threshold inspection services, and any other related services. The Schedule of Fees and Services shown below provides the standard services that may be requested.

Dunkelberger Engineering & Testing, Inc.  
SCHEDULE OF FEES AND SERVICES  
Effective Date from November 18, 2015 through November 17, 2016

I. SOIL TESTING

|     |   |               |
|-----|---|---------------|
| 1.  | Field Density Test (five [5] minimum)                 | \$22.00/test  |
| 2.  | Proctors  | \$100.00/test |
| 3.  | Florida Bearing Value Test                            | \$30.00/test  |
| 4.  | Limerock Bearing Ratio Test                           | \$290.00/test |
| 5.  | Atterberg Limit                                       | \$75.00/test  |
| 6.  | Carbonate Content Test                                | \$75.00/test  |
| 7.  | Organic Content Test                                  | \$50.00/test  |
| 8.  | D.O.T. Corrosivity                                    | \$150.00/test |
| 9.  | Soil Observation (On Site)                            | \$45.62/hr    |
| 10. | Natural Sample Moisture Content                       | \$10.00/test  |
| 11. | Unit Weight and Moisture Content (Undisturbed Sample) | \$30.00/test  |

II. CONCRETE & MASONRY MATERIALS

|     |   |               |
|-----|---|---------------|
| 1.  | Concrete Compression test (Min four [4] cylinders per trip) |               |
|     | -Prepare cylinders & slump test on site, and deliver to lab | \$143.00/set  |
| 2.  | Additional Concrete cylinders                               | \$15.00/cyl.  |
| 3.  | Concrete Compression test only [delivered to lab]           | \$12.00/cyl.  |
| 4.  | Slump test  | \$10.00/test  |
| 5.  | Air Content Test  | \$15.00/test  |
| 6.  | Stand-by  | \$45.62/hr.   |
| 7.  | Grout Prism (Six [6] per set)                               |               |
|     | - Includes preparation of Prism on site                     | \$75.00/set   |
| 8.  | 2" x 2" Mortar Cubes (Six [6] per set)                      |               |
|     | -Includes preparation of Cubes on site                      | \$75.00/set   |
| 9.  | Additional Mortar cubes                                     | \$10.00/ea.   |
| 10. | Masonry Units   |               |
|     | A. Compressive Strength                                     | \$50.00/unit  |
|     | B. Absorption   | \$25.00/unit  |
| 11. | Concrete Cores (Min. 3 );                                   |               |
|     | - Secure, trim & test                                       | \$80.00/core  |
|     | - Testing of core [delivered to lab (Incl. Trim)]           | \$35.00/core  |
| 12. | Swiss Hammer Testing  | \$45.62/hour  |
| 13. | Windsor Probe Test (Min. 3 shots)                           | \$160.00/test |
| 14. | Additional Windsor Probe Tests                              | \$100.00/test |

III. AGGREGATE TESTING

|    |   |              |
|----|---|--------------|
| 1. | Grain size determination:                                 |              |
|    | A. Full grain size (8 sieves)                             | \$65.00/test |
|    | B. Wash through (#200)                                    | \$45.00/test |
| 2. | Sieve Analysis - Coarse Aggregate                         | \$85.00/test |
| 3. | Specific Gravity & Absorption of Fine or Coarse Aggregate | \$50.00/test |

|                                    |  |
|------------------------------------|--|
| <b>IV. ASPHALT TESTING</b>         |  |
| 1.                                 | Asphalt Cores (obtaining core samples) ..... \$50.00/each  |
| 2.                                 | Asphalt Extraction & Gradation ..... \$75.00/test  |
| 3.                                 | Asphalt Density and Thickness ..... \$20.00/test   |
| 4.                                 | Marshall Stability (Incl. density, flow and stability<br>of 3 specimens) ( 50 blows) ..... \$100.00/test |
| 5.                                 | Coring Machine plus Generator Rental..... \$250.00/trip  |
| 6.                                 | Superpave Resolution Testing.....  |
|                                    | 6A. Gyratory Compaction, bulk specific gravity..... \$150.00/each  |
|                                    | 6B. Rice Testing..... \$150.00/each  |
| <b>V. INSPECTION SERVICES</b>      |  |
| 1.                                 | Concrete Inspection (on job-site or plant) ..... \$45.62/hour  |
| 2.                                 | Pile Driving Inspection..... \$62.89/hour  |
| 3.                                 | Pre-Stress Yard Inspection ..... \$62.89/hour  |
| 4.                                 | Steel Inspection ..... \$62.89/hour  |
| 5.                                 | Threshold Inspection ..... \$62.89/hour  |
| 6.                                 | Asphalt Inspection (Plant or Roadway) ..... \$62.89/hour   |
| <b>VI. FIELD EXPLORATIONS</b>      |  |
| 1.                                 | Auger Borings ..... \$9.00/LF  |
| 2.                                 | Hand Augers ..... \$9.00/LF  |
| 3.                                 | Standard Penetration Tests - Truck Rig (0' - 50') ..... \$12.00/LF                                       |
|                                    | (51' - 100') ..... \$14.00/LF  |
| 4.                                 | Grout bore holes - 0' - 50' ..... \$4.00/LF  |
|                                    | 51' - 100' ..... \$5.00/LF   |
| 5.                                 | Casing - 0' - 50' ..... \$5.50/LF  |
|                                    | 51' - 100' ..... \$8.00/LF   |
| 6.                                 | Static Cone Penetration Test (0' -100') ..... \$10.00/LF   |
| 7.                                 | Muck Probing (4 hr min.) ..... \$90.00/hour  |
| 8.                                 | Mobilization of drilling equipment to project (Min. Charge):   |
|                                    | 1. 50 mile travel ..... \$350.00/trip  |
|                                    | 2. 100 mile travel ..... \$400.00/trip   |
| <b>VII. MISCELLANEOUS SERVICES</b> |  |
| 1.                                 | Foundation Analysis and Recommendation ..... Staff Hours   |
| 2.                                 | Percolation test ..... \$350.00/test   |
| 3.                                 | Install Groundwater Monitoring Well, 25' Depth (per PBCWUD Standards & Details)..... \$30.00/LF          |
| 4.                                 | Plug & Abandon Monitoring Well, 25' Depth..... \$150.00/hour   |

#### **ENGINEERING AND PROFESSIONAL SERVICES**

|   |               |
|---|---------------|
| Principal Engineer (If Needed / At Option of PBC) ..... | \$146.03/hour |
| Senior Geotechnical Engineer .....                      | \$127.77/hour |
| Engineer, P.E. ....                                     | \$84.64/hour  |
| Staff Engineer .....                                    | \$75.22/hour  |
| Senior Engineering Technician .....                     | \$62.89/hour  |
| Engineering Technician .....                            | \$45.62/hour  |
| Drafter / CADD .....                                    | \$63.72/hour  |

**FIRST AMENDMENT TO THE ANNUAL CONSTRUCTION MATERIALS TESTING,  
GEOTECHNICAL ENGINEERING & INSPECTION  
CONTRACT NO. R2014-1663  
DATED NOVEMBER 18, 2014, BY AND BETWEEN  
PROFESSIONAL SERVICE INDUSTRIES, INC., AND PALM BEACH COUNTY**

THIS FIRST AMENDMENT to the Annual Construction Materials Testing, Geotechnical Engineering & Inspection Contract dated November 18, 2014, (R2014-1663), hereinafter "CONTRACT" by and between Professional Service Industries, Inc., hereinafter "CONSULTANT" and the Board of County Commissioners of Palm Beach County, a political subdivision of the state of Florida, hereinafter, "COUNTY".

**W I T N E S S E T H**

WHEREAS, on November 18, 2014, the CONSULTANT and COUNTY entered into a twelve month Annual Construction Materials Testing, Geotechnical Engineering & Inspection Contract for engineering services and other related tasks throughout Palm Beach County; and

WHEREAS, the CONTRACT provides that the contract may be extended, at the COUNTY's option for a defined period of time, not to exceed thirty-six months total contract time, upon approval of the Board of County Commissioners; and

WHEREAS, this is the first of the two allowable one (1) year term CONTRACT extensions per section 4.1; and

WHEREAS, by this amendment, the CONSULTANT and the COUNTY mutually agree to amend the CONTRACT terms to extend the expiration date of the CONTRACT from November 17, 2015 to November 17, 2016, with all original terms, conditions and unit prices adhered to; and

WHEREAS, the original CONTRACT provides in section 5.3.2 that the rates may be adjusted by negotiation; and

WHEREAS, by this amendment, the CONSULTANT and the COUNTY mutually agree to amend the CONTRACT terms to modify the Fee Schedule of the CONTRACT from Exhibit B in the Original Contract to the revised Fee Schedule provided by Professional Service Industries, Inc. dated May 20, 2015, and attached hereto as Exhibit B1.

NOW, THEREFORE, in consideration of the mutual covenants, promises, and agreements herein contained, the parties agree as follows:

1. The above recitations are true and correct and incorporated herein.
2. The CONTRACT, dated November 18, 2014, between the CONSULTANT and the COUNTY is hereby amended to extend the expiration date of the CONTRACT from November 17, 2015 to November 17, 2016.



3. The Fee Schedule shown as Exhibit B in the Original Contract is hereby modified as shown in the revised Fee Schedule provided by Professional Service Industries, Inc. dated May 20, 2015, and attached hereto as Exhibit B1.
4. It is the intent of the parties hereto that this Amendment shall not become binding until the date executed by the COUNTY.
5. Except as provided herein, all other provisions of the Annual Construction Materials Testing, Geotechnical Engineering & Inspection Contract dated November 18, 2014, hereby confirmed shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused this Amendment to be executed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 2015.

ATTEST:  
SHARON R. BOCK  
Clerk and Comptroller

PALM BEACH COUNTY, a Political  
Subdivision of the State of Florida  
Board of County Commissioners

By: \_\_\_\_\_  
Deputy Clerk

By: \_\_\_\_\_  
Shelley Vana, Mayor

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY

APPROVED AS TO TERMS  
AND CONDITIONS

By: \_\_\_\_\_  
County Attorney

By: *Ornela A. Fernandez*  
Engineering

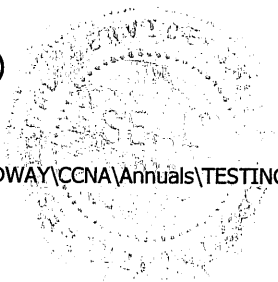
ATTEST:

Professional Service Industries, Inc.  
Consultant

By: *Danett Smith*  
Secretary or Asst. Secretary

By: *Wesley Foster*  
(Signature)

(Seal)



Wesley Foster, Branch Manager  
(Print Name and Title)

Retx OK  
NK  
6/29/15

**SCOPE OF WORK**

**May 20<sup>th</sup>, 2015**

The general scope of work consists of geotechnical engineering, geotechnical drilling, construction materials testing and inspection, threshold inspection services, and any other related services. The Schedule of Fees and Services shown below provides the standard services that may be requested. Effective date from November 18, 2015 through November 17, 2016

**SCHEDULE OF FEES AND SERVICES**

**I. SOIL TESTING**

|     |   |            |
|-----|---|------------|
| 1.  | Field Density Test (five [5] minimum) .....                 | \$26/test  |
| 2.  | Proctors .....  | \$85/test  |
| 3.  | Florida Bearing Value Test .....                            | \$40/test  |
| 4.  | Limerock Bearing Ratio Test .....                           | \$285/test |
| 5.  | Atterberg Limit .....                                       | \$75/test  |
| 6.  | Carbonate Content Test .....                                | \$100/test |
| 7.  | Organic Content Test .....                                  | \$50/test  |
| 8.  | D.O.T. Corrosivity .....                                    | \$170/test |
| 9.  | Soil Observation (On Site) .....                            | \$58/hr    |
| 10. | Natural Sample Moisture Content .....                       | \$20/test  |
| 11. | Unit Weight and Moisture Content (Undisturbed Sample) ..... | \$50/test  |

**II. CONCRETE & MASONRY MATERIALS**

|     |   |            |
|-----|---|------------|
| 1.  | Concrete Compression test (Min four [4] cylinders per trip)       |            |
|     | -Prepare cylinders & slump test on site, and deliver to lab ..... | \$135/set  |
| 2.  | Additional Concrete cylinders .....                               | \$18/cyl.  |
| 3.  | Concrete Compression test only [delivered to lab] .....           | \$18/cyl.  |
| 4.  | Slump test .....  | \$10/test  |
| 5.  | Air Content Test.....   | \$15/test  |
| 6.  | Stand-by.....   | \$58/hr.   |
| 7.  | Grout Prism (Six [6] per set)                                     |            |
|     | - Includes preparation of Prism on site .....                     | \$95/set   |
| 8.  | 2" x 2" Mortar Cubes (Six [6] per set)                            |            |
|     | -Includes preparation of Cubes on site .....                      | \$95/set   |
| 9.  | Additional Mortar cubes .....                                     | \$18/ea.   |
| 10. | Masonry Units   |            |
|     | A. Compressive Strength .....                                     | \$95/unit  |
|     | B. Absorption .....   | \$50/unit  |
| 11. | Concrete Cores (Min. 3 );   |            |
|     | - Secure, trim & test.....  | \$80/core  |
|     | - Testing of core [delivered to lab (Incl. Trim)] .....           | \$50/core  |
| 12. | Swiss Hammer Testing .....  | \$58/hour  |
| 13. | Windsor Probe Test (Min. 3 shots) .....                           | \$150/test |
| 14. | Additional Windsor Probe Tests .....                              | \$100/test |

**III. AGGREGATE TESTING**

|    |   |           |
|----|---|-----------|
| 1. | Grain size determination:                                       |           |
|    | A. Full grain size (8 sieves) .....                             | \$75/test |
|    | B. Wash through (#200) .....                                    | \$50/test |
| 2. | Sieve Analysis - Coarse Aggregate .....                         | \$50/test |
| 3. | Specific Gravity & Absorption of Fine or Coarse Aggregate ..... | \$70/test |

**IV. ASPHALT TESTING**

|     |  |            |
|-----|--|------------|
| 1.  | Asphalt Cores (obtaining core samples) .....   | \$50/each  |
| 2.  | Asphalt Extraction & Gradation .....   | \$220/test |
| 3.  | Asphalt Density and Thickness .....  | \$25/test  |
| 4.  | Marshall Stability (Incl. density, flow and stability<br>of 3 specimens) ( 50 blows) ..... | \$130/test |
| 5.  | Coring Machine plus Generator Rental.....  | \$200/trip |
| 6.  | Superpave Resolution Testing.....  |            |
| 6A. | Gyratory Compaction, bulk specific gravity.....  | \$180/each |
| 6B. | Rice Testing.....  | \$210/each |

**V. INSPECTION SERVICES**

|    |  |           |
|----|--|-----------|
| 1. | Concrete Inspection (on job-site or plant) ..... | \$58/hour |
| 2. | Pile Driving Inspection.....                     | \$72/hour |
| 3. | Pre-Stress Yard Inspection .....                 | \$72/hour |
| 4. | Steel Inspection .....                           | \$72/hour |
| 5. | Threshold Inspection .....                       | \$72/hour |
| 6. | Asphalt Inspection (Plant or Roadway).....       | \$75/hour |

**VI. FIELD EXPLORATIONS**

|    |  |            |
|----|--|------------|
| 1. | Auger Borings .....  | \$9/LF     |
| 2. | Hand Augers .....  | \$9/LF     |
| 3. | Standard Penetration Tests - Truck Rig (0' - 50') .....      | \$13/LF    |
|    | (51' - 100') .....   | \$15/LF    |
| 4. | Grout bore holes - 0' - 50' .....                            | \$6/LF     |
|    | 51' - 100' .....   | \$6.5/LF   |
| 5. | Casing - 0' - 50' .....                                      | \$8/LF     |
|    | 51' - 100' .....   | \$9/LF     |
| 6. | Static Cone Penetration Test (0' -100') .....                | \$2.5/LF   |
| 7. | Muck Probing (4 hr min.) .....                               | \$100/hour |
| 8. | Mobilization of drilling equipment to project (Min. Charge): |            |
|    | 1. 50 mile travel .....                                      | \$360/trip |
|    | 2. 100 mile travel .....                                     | \$460/trip |

**VII. MISCELLANEOUS SERVICES**

|    |  |             |
|----|--|-------------|
| 1. | Foundation Analysis and Recommendation .....   | Staff Hours |
| 2. | Percolation test .....   | \$275/test  |
| 3. | Install Groundwater Monitoring Well, 25' Depth (per PBCWUD Standards & Details)..... | \$50/LF     |
| 4. | Plug & Abandon Monitoring Well, 25' Depth.....                                       | \$150/hour  |

**ENGINEERING AND PROFESSIONAL SERVICES**

|   |            |
|---|------------|
| Principal Engineer (If Needed / At Option of PBC) ..... | \$145/hour |
| Senior Geotechnical Engineer .....                      | \$125/hour |
| Engineer, P.E. ....                                     | \$115/hour |
| Staff Engineer .....                                    | \$85/hour  |
| Senior Engineering Technician .....                     | \$68/hour  |
| Engineering Technician .....                            | \$65/hour  |
| Drafter / CADD .....                                    | \$60/hour  |



F:\ROADWAY\CCNA\FORMS\SCOPE OF WORK AND SCHEDULE OF FEES AND SERVICES.DOC

**FIRST AMENDMENT TO THE ANNUAL CONSTRUCTION MATERIALS TESTING,  
GEOTECHNICAL ENGINEERING & INSPECTION  
CONTRACT NO. R2014-1661  
DATED NOVEMBER 18, 2014, BY AND BETWEEN  
RADISE INTERNATIONAL, L.C., AND PALM BEACH COUNTY**

THIS FIRST AMENDMENT to the Annual Construction Materials Testing, Geotechnical Engineering & Inspection Contract dated November 18, 2014, (R2014-1661), hereinafter "CONTRACT" by and between Radise International, L.C., hereinafter "CONSULTANT" and the Board of County Commissioners of Palm Beach County, a political subdivision of the state of Florida, hereinafter, "COUNTY".

**W I T N E S S E T H**

WHEREAS, on November 18, 2014, the CONSULTANT and COUNTY entered into a twelve month Annual Construction Materials Testing, Geotechnical Engineering & Inspection Contract for engineering services and other related tasks throughout Palm Beach County; and

WHEREAS, the CONTRACT provides that the contract may be extended, at the COUNTY's option for a defined period of time, not to exceed thirty-six months total contract time, upon approval of the Board of County Commissioners; and

WHEREAS, this is the first of the two allowable one (1) year term CONTRACT extensions per section 4.1; and

WHEREAS, by this amendment, the CONSULTANT and the COUNTY mutually agree to amend the CONTRACT terms to extend the expiration date of the CONTRACT from November 17, 2015 to November 17, 2016, with all original terms, conditions and unit prices adhered to; and

WHEREAS, the original CONTRACT provides in section 5.3.2 that the rates may be adjusted by negotiation; and

WHEREAS, by this amendment, the CONSULTANT and the COUNTY mutually agree to amend the CONTRACT terms to modify the Fee Schedule of the CONTRACT from Exhibit B in the Original Contract to the revised Fee Schedule provided by Radise International, L.C. dated April 29, 2015, and attached hereto as Exhibit B1.

NOW, THEREFORE, in consideration of the mutual covenants, promises, and agreements herein contained, the parties agree as follows:

1. The above recitations are true and correct and incorporated herein.
2. The CONTRACT, dated November 18, 2014, between the CONSULTANT and the COUNTY is hereby amended to extend the expiration date of the CONTRACT from November 17, 2015 to November 17, 2016.

3. The Fee Schedule shown as Exhibit B in the Original Contract is hereby modified as shown in the revised Fee Schedule provided by Radise International, L.C. dated April 29, 2015, and attached hereto as Exhibit B1.
4. It is the intent of the parties hereto that this Amendment shall not become binding until the date executed by the COUNTY.
5. Except as provided herein, all other provisions of the Annual Construction Materials Testing, Geotechnical Engineering & Inspection Contract dated November 18, 2014, hereby confirmed shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused this Amendment to be executed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 2015.

ATTEST:  
SHARON R. BOCK  
Clerk and Comptroller

PALM BEACH COUNTY, a Political  
Subdivision of the State of Florida  
Board of County Commissioners

By: \_\_\_\_\_  
Deputy Clerk

By: \_\_\_\_\_  
Shelley Vana, Mayor

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY

APPROVED AS TO TERMS  
AND CONDITIONS

By: \_\_\_\_\_  
County Attorney

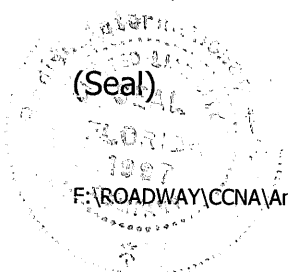
By: *Ornelis A. Fernandez*  
Engineering

ATTEST:

\_\_\_\_\_  
Radise International, L.C.  
Consultant

By: *Deborah Bestor*  
Secretary or Asst. Secretary

By: *Ashyut*  
(Signature)



\_\_\_\_\_  
Kumar A. Allady, P.E., President  
(Print Name and Title)



Exhibit B1

*Rates OK  
H  
6/29/15*

**SCOPE OF WORK – April 29, 2015**

The general scope of work consists of geotechnical engineering, geotechnical drilling, construction materials testing and inspection, threshold inspection services, and any other related services. The Schedule of Fees and Services shown below provides the standard services that may be requested.

**SCHEDULE OF FEES AND SERVICES**

**Effective date from November 18, 2015 through November 17, 2016**

**I. SOIL TESTING**

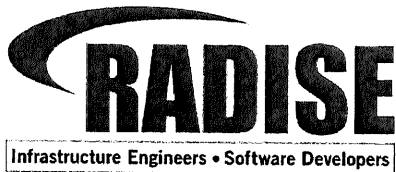
|     |   |               |
|-----|---|---------------|
| 1.  | Field Density Test (five [5] minimum) .....                 | \$30.00/test  |
| 2.  | Proctors .....  | \$105.00/test |
| 3.  | Florida Bearing Value Test.....                             | \$35.00/test  |
| 4.  | Limerock Bearing Ratio Test.....                            | \$275.00/test |
| 5.  | Atterberg Limit.....  | \$88.00/test  |
| 6.  | Carbonate Content Test.....                                 | \$75.00/test  |
| 7.  | Organic Content Test.....                                   | \$45.00/test  |
| 8.  | D.O.T. Corrosivity .....                                    | \$185.00/test |
| 9.  | Soil Observation (On Site) .....                            | \$60.00/hr    |
| 10. | Natural Sample Moisture Content .....                       | \$15.00/test  |
| 11. | Unit Weight and Moisture Content (Undisturbed Sample) ..... | \$35.00/test  |

**II. CONCRETE & MASONRY MATERIALS**

|     |   |               |
|-----|---|---------------|
| 1.  | Concrete Compression test (Min four [4] cylinders per trip)<br>-Prepare cylinders & slump test on site, deliver to lab, and break ..... | \$150.00/set  |
| 2.  | Additional Concrete cylinders .....   | \$16.00/cyl.  |
| 3.  | Concrete Compression test only [delivered to lab] .....   | \$15.00/cyl.  |
| 4.  | Slump test .....  | \$10.00/test  |
| 5.  | Air Content Test.....   | \$20.00/test  |
| 6.  | Stand-by.....   | \$65.00/hr.   |
| 7.  | Grout Prism (Six [6] per set)<br>- Includes preparation of Prism on site .....  | \$100.00/set  |
| 8.  | 2" x 2" Mortar Cubes (Six [6] per set)<br>-Includes preparation of Cubes on site .....  | \$95.00/set   |
| 9.  | Additional Mortar cubes .....   | \$15.00/ea.   |
| 10. | Masonry Units<br>A. Compressive Strength .....  | \$75.00/unit  |
|     | B. Absorption .....   | \$50.00/unit  |
| 11. | Concrete Cores (Min. 3 );<br>- Secure, trim & test.....   | \$92.00/core  |
|     | - Testing of core [delivered to lab (Incl. Trim)] .....   | \$40.00/core  |
| 12. | Swiss Hammer Testing .....  | \$48.00/hour  |
| 13. | Windsor Probe Test (Min. 3 shots) .....   | \$175.00/test |
| 14. | Additional Windsor Probe Tests .....  | \$115.00/test |

**III. AGGREGATE TESTING**

|    |  |              |
|----|--|--------------|
| 1. | Grain size determination:<br>A. Full grain size (8 sieves) ..... | \$85.00/test |
|    | B. Wash through (#200) .....                                     | \$45.00/test |
| 2. | Sieve Analysis - Coarse Aggregate .....                          | \$90.00/test |
| 3. | Specific Gravity & Absorption of Fine or Coarse Aggregate .....  | \$60.00/test |



**IV. ASPHALT TESTING**

|     |  |                |
|-----|--|----------------|
| 1.  | Asphalt Cores (obtaining core samples) .....   | \$60.00/each   |
| 2.  | Asphalt Extraction & Gradation .....   | \$185.00/test  |
| 3.  | Asphalt Density and Thickness .....  | \$35.00/test   |
| 4.  | Marshall Stability (Incl. density, flow and stability<br>of 3 specimens) ( 50 blows) ..... | \$115.00/test  |
| 5.  | Coring Machine plus Generator Rental.....  | \$400.00/trip  |
| 6.  | Superpave Resolution Testing.....  |                |
| 6A. | Gyratory Compaction, bulk specific gravity (five [5] minimum)...                           | \$250.00/each  |
| 6B. | Rice Testing (five [5] minimum) .....  | \$150.00./each |

**V. INSPECTION SERVICES**

|    |  |              |
|----|--|--------------|
| 1. | Concrete Inspection (on job-site or plant) ..... | \$55.00/hour |
| 2. | Pile Driving Inspection.....                     | \$70.00/hour |
| 3. | Pre-Stress Yard Inspection .....                 | \$70.00/hour |
| 4. | Steel Inspection .....                           | \$70.00/hour |
| 5. | Threshold Inspection.....                        | \$75.00/hour |
| 6. | Asphalt Inspection (Plant or Roadway).....       | \$75.00/hour |

**VI. FIELD EXPLORATIONS**

|     |  |               |
|-----|--|---------------|
| 1.  | Auger Borings .....  | \$12.00/LF    |
| 2.  | Hand Augers.....   | \$12.00/LF    |
| 3.  | Standard Penetration Tests - Truck Rig (0' - 50') .....      | \$15.00/LF    |
|     | (51' - 100') .....   | \$17.00/LF    |
| 4.  | Grout bore holes - 0' - 50' .....                            | \$4.00/LF     |
|     | 51' - 100' .....   | \$5.00/LF     |
| 5.  | Casing - 0' - 50' .....                                      | \$6.25/LF     |
|     | 51' - 100' .....   | \$7.25/LF     |
| 6.  | Static Cone Penetration Test (0' -100') .....                | \$12.00/LF    |
| 7.  | Muck Probing (4 hr min.) .....                               | \$100.00/hour |
| 8.  | Mobilization of drilling equipment to project (Min. Charge): |               |
| 9.  | 50 mile travel .....   | \$350.00/trip |
| 10. | 100 mile travel .....  | \$450.00/trip |

**VII. MISCELLANEOUS SERVICES**

|    |  |                 |
|----|--|-----------------|
| 1. | Foundation Analysis and Recommendation.....  | TBN/Staff Hours |
| 2. | Percolation test .....   | \$257.00/test   |
| 3. | Install Groundwater Monitoring Well, 25' Depth (per PBCWUD Standards & Details)..... | \$35.00/LF      |
| 4. | Plug & Abandon Monitoring Well, 25' Depth.....                                       | \$130.00/hour   |

**ENGINEERING AND PROFESSIONAL SERVICES**

|   |               |
|---|---------------|
| Principal Engineer (If Needed / At Option of PBC) ..... | \$185.00/hour |
| Senior Geotechnical Engineer .....                      | \$155.00/hour |
| Engineer, P.E. ....                                     | \$135.00/hour |
| Staff Engineer .....                                    | \$105.00/hour |
| Senior Engineering Technician .....                     | \$85.00/hour  |
| Engineering Technician .....                            | \$65.00/hour  |
| Drafter / CADD .....                                    | \$65.00/hour  |



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