

Agenda Item #: 3-C-3

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

Meeting Date:	July 1, 2014	<input checked="" type="checkbox"/>	Consent	<input type="checkbox"/>	Regular
		<input type="checkbox"/>	Workshop	<input type="checkbox"/>	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) A contract in the amount of \$1,210,618.23 with HSQ Group, Inc. (HSQ), for professional services for the Lyons Road from Clint Moore Road to Atlantic Avenue project (Project); and
- B) A Budget Transfer of \$500,000 from Impact Fee Zone 5 Reserves and appropriate it to the Lyons Road from Clint Moore Road to Atlantic Avenue Project.

SUMMARY: Approval of this contract will provide the professional services necessary for the preparation of design plans and construction bid documents for the Project. HSQ has an office in Palm Beach County. The Small Business Enterprise (SBE) goal for the Project is 15%. HSQ has achieved 69.34% SBE participation for the Project.

District 5 (MRE)

Background and Justification: On July 10, 2013, the Consultant's Competitive Negotiations Act Selection Committee selected HSQ and, in accordance with PPM No. CW-O-048, the Board of County Commissioners (Board) was notified of the selection on July 10, 2013. Palm Beach County now desires HSQ to provide the professional services necessary for the preparation of design plans and construction bid documents for the Project. The fee, as detailed in Exhibit "B" of the attached contract, has been negotiated as just and reasonable compensation as follows:

Basic Services (Lump Sum)	\$994,035.78	(Roadway Design, Structural, Geotechnical, Utilities, Permits, Survey).
Reimbursable Expenses (Not to Exceed)....	\$ 37,725.00	(Permit Fees, Reprographics).
Optional Services (Not to Exceed).....	<u>\$178,857.45</u>	(Survey, Geotechnical, Structural, Environmental Permits and Signal Plans).
Total:		<u>\$1,210,618.23</u>

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

Attachments:

- 1. Location Sketch
- 2. Contract with Exhibits "A", "B", "C", "D" and "E" and Certificate of Insurance (2)
- 3. Project Work Schedule
- 4. Budget Transfer

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Recommended by: *Ornela A. Fernandez* 5/14/14 *[Signature]*

Division Director

Approved By: *S. J. Webb* 5/30/14

County Engineer **Date**

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2014	2015	2016	2017	2018
Capital Expenditures	\$1,670,000	-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	\$1,670,000	-0-	-0-	-0-	-0-
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____

Is Item Included in Current Budget? Yes No

Budget Account No:

Fund 3505 Dept 361 Unit 1388 Object 6505

Recommended Sources of Funds/Summary of Fiscal Impact:


Road Impact Fees - Zone 5
Lyons Rd/Clint Moore Rd to Atlantic Ave

New Task Authorization	
Basic Services	\$ 994,035.78
Reimbursables	\$ 37,725.00
Optional Services	\$ 178,857.45
Total Task Authorization	\$1,210,618.23
Contingency	\$ 217,241.77
Staff Charges	
Roadway Production	\$ 121,065.00
Right of Way	\$ 30,270.00
Survey	\$ 30,270.00
Traffic	\$ 60,535.00
Fiscal Impact	\$1,670,000.00

C. Departmental Fiscal Review: . *Alu Kovalainen*

III. REVIEW COMMENTS

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



 OFMB



 Contract Dev. and Control

B. Approved as to Form and Legal Sufficiency:



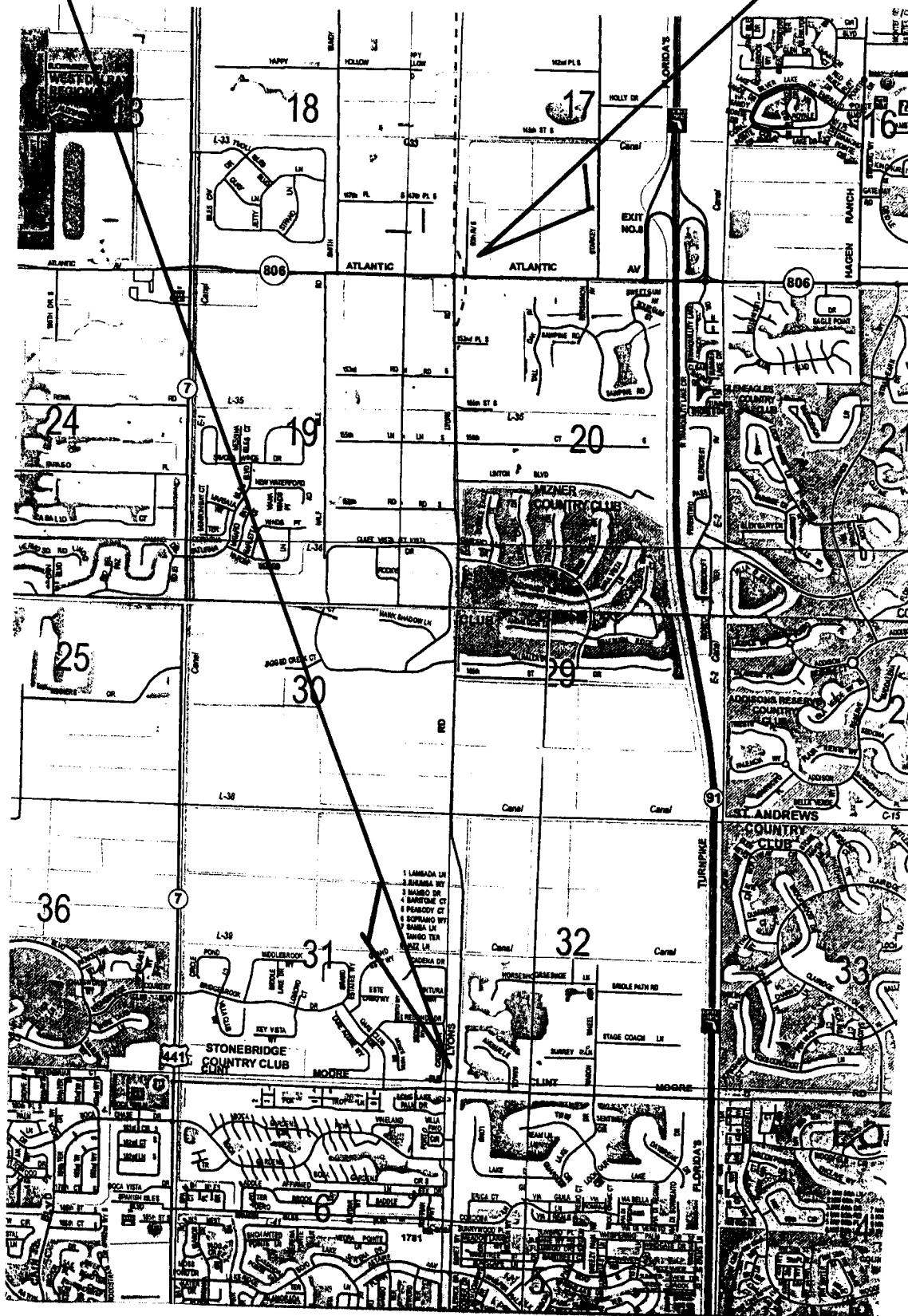
 Assistant County Attorney

C. Other Department Review:

Department Director

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

**LYONS ROAD
CLINT MOORE ROAD TO ATLANTIC AVENUE
PALM BEACH COUNTY PROJECT NO. 20103527**



LOCATION SKETCH

ATTACHMENT 2

**STANDARD FORM OF CONTRACT
BETWEEN
PALM BEACH COUNTY AND CONSULTANT
FOR
PROFESSIONAL SERVICES**

This is a Contract made as of _____, 2014 between **Palm Beach County, Florida (COUNTY)** and **HSQ Group, Inc. (CONSULTANT)**, an engineering firm having an office and a place of business at 1489 West Palmetto Park Road, Suite 340, Boca Raton, Florida 33486, and having Federal Tax I.D. #20-2052928. The COUNTY intends to construct a four lane roadway with an ultimate six lane roadway on **Lyons Road from Clint Moore Road to Atlantic Avenue, Project No. 2013527** (hereinafter called the **PROJECT**).

The COUNTY and CONSULTANT in consideration of their mutual covenants herein agree in respect of the performance of professional engineering services by CONSULTANT and the payment for those services by COUNTY as set forth below.

SECTION 1 - BASIC SERVICES OF CONSULTANT

1.1 General

1.1.1 The CONSULTANT shall perform professional study/design services in connection with the PROJECT as hereinafter stated which shall include normal civil engineering services, more particularly described in Exhibit "A" (Scope of Services).

1.1.2 The CONSULTANT shall prepare all plans in accordance with Palm Beach County Thoroughfare Design Procedures, current standards adopted by AASHTO, and the Florida Department of Transportation Manual of Uniform Minimum Standards, and all other applicable professional and technical standards. Plans shall be based on the North American Datum of 1983 (NAD 83) 1990 Adjustment and the North American Vertical Datum of 1988 (NAVD 88). They shall be accurate, legible, complete in design, drawn to scale, and shall be suitable for bidding purposes, unless otherwise stated in Exhibit "A".

1.1.3. The CONSULTANT has, during the selection and negotiation process which has preceded this Contract, represented to the COUNTY that the CONSULTANT is possessed of that level of skill, knowledge, experience and expertise that is commensurate with engineering firms of national repute in the areas of practice required for this project. The CONSULTANT acknowledges that the COUNTY has relied on the CONSULTANT'S representations of skill, knowledge, experience and expertise. By executing this contract, the CONSULTANT agrees that the CONSULTANT will exercise that degree of care, knowledge, skill and ability as other engineering firms possessing the degree of skill, knowledge, experience and expertise which the CONSULTANT has claimed. The CONSULTANT shall perform such duties as may be assigned without neglect. The CONSULTANT covenants with the COUNTY to cooperate with the COUNTY and to utilize the CONSULTANT'S skill, efforts and judgment commensurate with engineering firms of national repute in the areas of practice required for this project. The CONSULTANT agrees to perform each assignment in an efficient and economical manner consistent with the COUNTY'S interests and consistent with the COUNTY'S stated objectives and recognized professional engineering standards.

The CONSULTANT further contracts with the COUNTY to furnish its professional skill and judgment with due care in accordance with applicable Federal, State and local laws, codes and regulations as amended and supplemented which are in effect on the date of this Contract first written. It is specifically understood that the

Accessibility provisions of the Americans With Disabilities Act (ADA) shall be complied with and incorporated into the project.

1.1.4 Prior to commencement of study/design, the **CONSULTANT** shall become familiar with the needs of **COUNTY** Microstation standards, obtain any seed or Microstation files, CADD standards, and standard sheets so that Microstation deliverables can be utilized by the **COUNTY**. **CONSULTANT** shall submit electronic files (in Microstation compatible format and Adobe PDF format) of the study/design, survey, and any related data used for the project, with the final document(s) submittal, or when otherwise directed by **COUNTY**.

1.1.5 The **CONSULTANT** shall provide to the **COUNTY** all cost summaries/estimates and "Summary of Pay Items" on disk and/or electronic file (as requested). The **CONSULTANT** shall apply descriptions to the pay items as called out in the **COUNTY'S** "Standard Nomenclature" listing, which is available from Roadway Production.

SECTION 2 - ADDITIONAL SERVICES OF CONSULTANT

2.1 Services Requiring Authorization in Advance

If authorized in writing by the **COUNTY'S** authorized representative, the **CONSULTANT** shall furnish or obtain from others Additional Services of the types listed in paragraphs 2.1.1 through 2.1.9 inclusive. These services are not included as part of Basic Services except to the extent provided otherwise in the Fee Summary, Exhibit "B". These will be paid for by the **COUNTY**, only when specifically authorized and in accordance with Section 5.

2.1.1. Preparation of applications and supporting documents for governmental grants, loans or advances in connection with the **PROJECT**.

2.1.2. Services to make measured drawings of or to investigate existing conditions or facilities, or to verify the accuracy of drawings or other information furnished by the **COUNTY**.

2.1.3. Services resulting from significant changes in the general scope, extent or character of the **PROJECT** or its design including, but not limited to, changes in size, complexity, the **COUNTY'S** schedule, character of construction or method of financing; and revising previously accepted studies, reports, design documents or contract documents when such revisions are required by changes in laws, rules, regulations, ordinances, codes or orders enacted subsequent to the preparation of such studies, reports or documents, or are due to any other causes beyond the **CONSULTANT'S** control.

2.1.4. Preparing documents for alternate bids requested by the **COUNTY** for contractor(s) work which is not executed or documents for out-of-sequence work.

2.1.5. Furnishing the services of special consultants for other than the services included in Exhibit "A".

2.1.6. Services during out-of-town travel required of the **CONSULTANT** other than visits to the site or the **COUNTY'S** office as required by Section 1.

2.1.7. Assistance in connection with bid protests, rebidding or renegotiating contracts for construction, materials, equipment or services.

2.1.8. Preparing to serve or serving as a consultant or witness for the **COUNTY** in any litigation or other legal proceeding involving the **PROJECT**.

2.1.9. Additional services in connection with the **PROJECT**, including services which are to be furnished by the **COUNTY** in accordance with Article 3, and services not otherwise provided for in this Contract.

SECTION 3 - COUNTY'S RESPONSIBILITY

The COUNTY shall do the following in a timely manner so as not to delay the services of the CONSULTANT.

- 3.1. Designate in writing a person to act as the COUNTY'S representative with respect to the services to be rendered under this Contract. Such person shall have complete authority to transmit instructions, receive information, interpret and define the COUNTY policies and decisions with respect to the CONSULTANT'S services for the PROJECT.
- 3.2. Provide all criteria and full information as to the COUNTY'S requirements for the PROJECT, including study/design objectives and constraints, space, capacity and performance requirements, flexibility and expendability, and any budgetary limitations; and furnish copies of all design and construction standards which the COUNTY will require to be included in the drawings and specifications.
- 3.3. Assist the CONSULTANT by placing at the CONSULTANT'S disposal all available information pertinent to the PROJECT including previous reports and any other data relative to study/design or construction of the PROJECT.
- 3.4. Furnish to the CONSULTANT the items listed in Exhibit "A".
- 3.5. Arrange for access to and make all provisions for the CONSULTANT to enter upon public and private property as reasonably required for the CONSULTANT to perform services under this Contract.
- 3.6. Examine all studies, reports, sketches, drawings, specifications, proposals and other documents presented by the CONSULTANT, obtain advice of an attorney, insurance counselor and other consultants as the COUNTY deems appropriate for such examination and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of the CONSULTANT.
- 3.7. Furnish approvals and permits from all governmental authorities having jurisdiction over the PROJECT and such approvals and consents from others as may be necessary for completion of the PROJECT.
- 3.8. Providing such legal, accounting, independent cost estimating and insurance counseling services as may be required for the PROJECT, and such auditing service as COUNTY may require to ascertain how or for what purpose any contractor has used the monies paid to him.
- 3.9. Attend the pre-bid conference, bid opening, preconstruction conferences, construction progress and other job related meetings and substantial completion inspections and final payment inspections.
- 3.10. Give prompt written notice to the CONSULTANT whenever the COUNTY observes or otherwise becomes aware of any development that affects the scope or timing of the CONSULTANT'S services, or any defect or non-conformance in the work of any contractor.
- 3.11. Furnish, or direct the CONSULTANT to provide, Additional Services as stipulated in paragraph 2.1 of this Contract or other services as required.
- 3.12. Bear all costs incident to compliance with the requirements of this Section 3.

SECTION 4 - PERIODS OF SERVICE

4.1. The COUNTY will issue a written "NOTICE TO PROCEED" to the CONSULTANT within sixty (60) days of contract execution by the COUNTY. The CONSULTANT will immediately commence work on the PROJECT and all schedule dates shall be determined from the date of the "NOTICE TO PROCEED". Final completion of all work under this Contract shall be in accordance with the schedule, or as otherwise approved in writing by the COUNTY.

SECTION 5 - PAYMENTS TO CONSULTANT

5.1. Methods of Payment for Services and Expenses of the CONSULTANT.

5.1.1. Basic Services: The COUNTY will pay the CONSULTANT the lump sum of \$994,035.78 for completion of the Basic Services set forth in Exhibits "A" and "B".

5.1.2. Additional Services: To the extent that additional services under Section 2 hereof are specifically authorized in writing by the COUNTY'S representative, the COUNTY will pay for such additional services in accordance with the following:

5.1.2.1. Actual Salary costs times a factor of 2.8719 for services rendered by principals and employees assigned to the PROJECT plus all reimbursable expenses.

5.1.2.2. For services rendered by the CONSULTANT'S principals and employees as consultants or witnesses in any litigation, arbitration or other legal or administrative proceeding in accordance with Paragraph 2.1.8. at the rate of \$800.00 per day or any portion thereof (but compensation for time spent in preparing to appear in any such litigation, arbitration or proceeding will be on the basis provided in Paragraph 5.1.2.1).

5.1.3. Reimbursable Expenses: The COUNTY will pay the CONSULTANT the actual costs of all reimbursable expenses incurred in the provision of these services when authorized in writing by the COUNTY. These expenses will not exceed \$37,725.00 without additional authorization from the COUNTY.

5.1.4. Optional Services: The COUNTY will pay the CONSULTANT for completion of the Optional Services set forth in Exhibits "A" and "B" when the provision of each service is specifically authorized in writing by the COUNTY. These expenses will not exceed \$178,857.45 without additional authorization from the COUNTY.

5.1.5. The terms "Salary Costs" and "Reimbursable Expenses" have the meanings assigned to them in Paragraph 5.4.

5.1.6. Additional services and reimbursable expenses authorizations shall be issued in accordance with Board policy per Resolution Number R-89-633 adopted April 4, 1989.

5.2. Payments

5.2.1. Progress payments to the CONSULTANT shall be due and payable monthly in proportion to the percentage of engineering services approved and accepted by the COUNTY based on said lump sum fee until 90% of the project is completed. There will be no additional payments for Basic Services until all services are completed and accepted by the COUNTY (including permits).

5.2.2. Final payment shall be due and payable to the CONSULTANT upon satisfactory completion of the services described in this Contract and approval and acceptance of the plans by the COUNTY.

5.3. **Other Provisions Concerning Payments**

5.3.1. If this Contract is terminated prior to its completion other than due to default on the part of the CONSULTANT, the CONSULTANT shall be paid for Basic Services called for under Section 1 an amount equal to the percentage complete at the time of termination, times the lump sum fee stated in Section 5. Further, the CONSULTANT shall be paid for the completed portion of additional services authorized under Section 2, in accordance with Paragraph 5.1.2.

5.3.2. Records of the CONSULTANT'S Salary Costs pertinent to the CONSULTANT'S compensation under this Contract will be kept in accordance with generally accepted accounting practices. Copies will be made available to the COUNTY on request prior to final payment for the CONSULTANT'S services.

5.4. **Definitions**

5.4.1. The Salary Costs used as a basis for payment shall mean the actual salaries and wages paid to principals and employees engaged on the PROJECT. Time spent on this PROJECT by stenographers, typists and clerk skills shall not be charged to the PROJECT nor shall any fringe benefits such as social security contributions, unemployment, excise and payroll taxes, workman's compensation, etc., be included in the Salary Costs.

5.4.2. Reimbursable Expenses shall mean the actual expenses of soils testing, printing and similar PROJECT related items when authorized by the COUNTY.

SECTION 6 - CONSTRUCTION COST AND OPINIONS OF COST

6.1. **Opinions of Cost**

Since CONSULTANT has no control over the cost of labor, materials, equipment or services furnished by others, or over the contractor(s)' methods of determining prices, or over competitive bidding or market conditions, the CONSULTANT'S opinions of probable construction cost provided for herein are to be made on the basis of the CONSULTANT'S experience and qualifications and represent the CONSULTANT'S best judgment as an experienced and qualified professional engineer, familiar with the construction industry; but the CONSULTANT cannot and does not guarantee that proposals, bids or actual construction costs will not vary from opinions of probable cost prepared by the CONSULTANT. If prior to the Bidding or Negotiating Phase, the COUNTY wishes greater assurance as to construction costs, the COUNTY shall employ an independent cost estimator.

SECTION 7 - GENERAL CONSIDERATION

7.1. **Termination**

This Contract may be canceled by the CONSULTANT upon thirty (30) days prior written notice to the COUNTY if, through no fault of the CONSULTANT, the COUNTY fails to cure any material default by the COUNTY in its performance of the terms of this Contract. This Contract may also be terminated, in whole or in part, by the COUNTY, with or without cause, immediately upon written notice to the CONSULTANT. Unless the CONSULTANT is in breach of this Contract, the CONSULTANT shall be paid for services rendered to the COUNTY'S satisfaction through the date of cancellation or termination. In the event of cancellation by the CONSULTANT or termination by the COUNTY, CONSULTANT agrees to waive and make no claim for lost profits or other consequential damages. After receipt of a Termination Notice and except as otherwise directed by the COUNTY, the CONSULTANT shall:

- A. Stop work on the date and to the extent specified.
- B. Terminate and settle all orders and subcontracts relating to the performance of the terminated work.

- C. Transfer all work in process, completed work, and other materials related to the terminated work to the COUNTY.
- D. Continue and complete all parts of the work that have not been terminated.

Should a termination for breach later be declared wrongful, said termination shall be considered and treated as a termination without cause.

7.2. DISCLOSURE AND OWNERSHIP OF DOCUMENTS

7.2.1. Upon completion and acceptance of the final work, the CONSULTANT shall furnish to the COUNTY the original drawings, field notes and all documents and materials prepared by and for the COUNTY under this Contract. The CONSULTANT may keep a reproducible set of the original drawings and shall keep all other data collected during the provision of the services. The COUNTY may, at its expense, obtain copies of any data which the CONSULTANT has accumulated in the process of providing the services on this project tasks. Any reuse without written verification or adaptation by the CONSULTANT for the specific purpose intended will be at the COUNTY'S sole risk and without liability or legal exposure to the CONSULTANT.

7.2.2. All written and oral information not in the public domain or not previously known, and all information and data obtained, developed, or supplied by the COUNTY or at its expense will be kept confidential by the CONSULTANT and will not be disclosed to any other party, directly or indirectly, without the COUNTY'S prior written consent unless required by a lawful order. All drawings, maps, sketches, programs, data base, reports and other data developed or purchased under this Contract at the COUNTY'S expense shall be, and remain, the COUNTY'S property, and may be reproduced and reused at the discretion of the COUNTY.

7.2.3. The COUNTY and the CONSULTANT shall comply with the provisions of Chapter 119, Florida Statutes (Public Records Law).

7.2.4. All covenants, agreements, representations and warranties made herein, or otherwise made in writing by any party pursuant hereto, including but not limited to any representations made herein relating to disclosure or ownership of documents, shall survive the execution and delivery of this Contract and the consummation of the transactions contemplated hereby.

7.3 Reuse of Documents

Notwithstanding any breach of this Contract by either party nor the status of payment to the CONSULTANT, nor the COUNTY'S exercise of its rights of termination, it is hereby agreed between the parties that copies of any and all property, work product, documentation, reports, computer systems and software, schedules, graphs, outlines, books, manuals, logs, files, deliverables, photographs, videos, tape recordings or data relating to this Project which have been created as a part of the CONSULTANT'S services, or authorized by the COUNTY as a reimbursable expense, whether generated directly by the CONSULTANT, or by or in conjunction or consultation with any other party whether or not a party to this Contract, whether or not in privity of contract with the COUNTY or CONSULTANT, and wherever located shall be the property of the COUNTY.

7.4. Insurance

CONSULTANT shall, at its sole expense, agree to maintain in full force and effect at all times during the life of this Contract, insurance coverages and limits (including endorsements), as described herein. In addition, CONSULTANT agrees to notify COUNTY of any cancellation, non-renewal or material change taking place during the life of this Contract. The requirements contained herein, as well as COUNTY'S review or acceptance of insurance maintained by CONSULTANT are not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by CONSULTANT under the contract.

7.4.1 **Commercial General Liability**

CONSULTANT shall maintain Commercial General Liability at a limit of liability not less than **\$1,000,000** Each Occurrence. Coverage shall not contain any endorsement excluding Contractual Liability or Cross Liability unless granted in writing by County's Risk Management Department. CONSULTANT shall provide this coverage on a primary basis.

7.4.2. **Business Automobile Liability**

CONSULTANT shall maintain Business Automobile Liability at a limit of liability not less than **\$1,000,000** Each Accident for all owned, non-owned and hired automobiles. In the event CONSULTANT doesn't own any automobiles, the Business Auto Liability requirement shall be amended allowing CONSULTANT to agree to maintain only Hired & Non-Owned Auto Liability. This amended requirement may be satisfied by way of endorsement to the Commercial General Liability, or separate Business Auto coverage form. CONSULTANT shall provide this coverage on a primary basis.

7.4.3. **Worker's Compensation Insurance & Employers Liability**

CONSULTANT shall maintain Worker's Compensation & Employers Liability in accordance with Florida Statute Chapter 440. CONSULTANT shall provide this coverage on a primary basis.

7.4.4. **Professional Liability**

CONSULTANT shall maintain Professional Liability, or equivalent Errors & Omissions Liability at a limit of liability not less than **\$1,000,000** Each Claim. When a self-insured retention (SIR) or deductible exceeds **\$40,000**, COUNTY reserves the right, but not the obligation, to review and request a copy of CONSULTANT'S most recent annual report or audited financial statement. For policies written on a "Claims-Made" basis, CONSULTANT shall maintain a Retroactive Date prior to or equal to the effective date of this Contract. The Certificate of Insurance providing evidence of the purchase of this coverage shall clearly indicate whether coverage is provided on an "occurrence" or "claims - made" form. If coverage is provided on a "claims - made" form the Certificate of Insurance must also clearly indicate the "retroactive date" of coverage. In the event the policy is canceled, non-renewed, switched to an Occurrence Form, retroactive date advanced, or any other event triggering the right to purchase a Supplement Extended Reporting Period (SERP) during the life of this Contract, CONSULTANT shall purchase a SERP with a minimum reporting period not less than 3 years. CONSULTANT shall provide this coverage on a primary basis.

7.4.5. **Additional Insured**

CONSULTANT shall endorse the COUNTY as an Additional Insured with a CG 2026 Additional Insured - Designated Person or Organization endorsement, or its equivalent, to the Commercial General Liability. The Additional Insured endorsement shall read "Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees and Agents." CONSULTANT shall provide the Additional Insured endorsements coverage on a primary basis.

7.4.6. **Waiver of Subrogation**

CONSULTANT hereby waives any and all rights of Subrogation against the County, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then CONSULTANT shall agree to notify the insurer and request the policy be endorsed with a Waiver of Transfer of rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy, which a condition to the policy specifically prohibits such an endorsement, or voids coverage should CONSULTANT enter into such an agreement on a pre-loss basis.

7.4.7. **Certificate(s) of Insurance**

Prior to execution of this Contract, **CONSULTANT** shall deliver to the **COUNTY** a Certificate(s) of Insurance evidencing that all types and amounts of insurance coverages required by this Contract have been obtained and are in full force and effect. In addition, **CONSULTANT** agrees to notify **COUNTY** of any cancellation, non-renewal or material change taking place during the life of this Contract. The certificate of insurance shall be issued to

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

7.4.8 **Umbrella or Excess Liability**

If necessary, **CONSULTANT** may satisfy the minimum limits required above for either Commercial General Liability, Business Auto Liability, and Employer's Liability coverage under Umbrella or Excess Liability. The Umbrella or Excess Liability shall have an Aggregate limit not less than the highest "Each Occurrence" limit for either Commercial General Liability, Business Auto Liability, or Employer's Liability. The **COUNTY** shall be specifically endorsed as an "Additional Insured" on the Umbrella or Excess Liability, unless the Certificate of Insurance notes the Umbrella or Excess Liability provides coverage on a "Follow-Form" basis.

7.4.9 **Right to Review**

COUNTY, by and through its Risk Management Department, in cooperation with the contracting/monitoring department, reserves the right to review, modify, reject or accept any required policies of insurance, including limits, coverages, or endorsements, herein from time to time throughout the term of this Contract. **COUNTY** reserves the right, but not the obligation, to review and reject any insurer providing coverage because of its poor financial condition or failure to operate legally.

7.5. **Indemnification**

CONSULTANT shall indemnify and hold harmless the **COUNTY**, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the **CONSULTANT** and other persons employed or utilized by the **CONSULTANT** in the performance of the contract.

7.6. **Controlling Law and Venue**

This Contract is to be governed by the laws of the State of Florida. The parties agree that venue for any action which in any way arises out of this Contract shall only be in a state court of competent jurisdiction located in Palm Beach County, Florida.

7.7. **Successors and Assigns**

7.7.1. The **COUNTY** and the **CONSULTANT** each binds itself and the partners, successors, executors, administrators and assigns to the other party and to the partners, successors, executors, administrators and assigns of such other party, in respect to all covenants of this Contract. Except as above, neither the **COUNTY** nor the **CONSULTANT** shall assign, sublet, convey or transfer its interest in this Contract without the prior written consent of the other. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of the **COUNTY**, nor shall it be construed as giving any rights or benefits hereunder to anyone other than the **COUNTY** and the **CONSULTANT**.

7.7.2. Neither the COUNTY nor the CONSULTANT shall assign, sublet or transfer any rights under or interest in (including, but without limitation, monies that may become due or monies that are due) this Contract without the written consent of the other, except to the extent that any assignment, subletting or transfer is mandated by law or the effect of this limitation may be restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Contract. Nothing contained in this paragraph shall prevent the CONSULTANT from employing such independent professional associates and consultants as the CONSULTANT may deem appropriate to assist in the performance of services hereunder.

7.7.3. Nothing under this Contract shall be construed to give any rights or benefits in this Contract to anyone other than the COUNTY and the CONSULTANT, and all duties and responsibilities undertaken pursuant to this Contract will be for the sole and exclusive benefit of the COUNTY and the CONSULTANT and not for the benefit of any other party.

7.8 **Subcontracting**

The COUNTY reserves the right to accept the use of a subcontractor or to reject the selection of a particular subcontractor and to inspect all facilities of any subcontractors in order to make a determination as to the capability of the subcontractor to perform properly under this Contract. The CONSULTANT is encouraged to seek small business enterprises for participation in subcontracting opportunities. If a subcontractor fails to perform or make progress, as required by this Contract, and it is necessary to replace the subcontractor to complete the work in a timely fashion, the CONSULTANT shall promptly do so, subject to acceptance of the new subcontractor by the COUNTY.

The Palm Beach County Board of County Commissioners has established a minimum goal for SBE participation of 15% on all County solicitations. The CONSULTANT has committed to 60.00% for this Project.

The CONSULTANT agrees to abide by all provisions of the Palm Beach County Code establishing the SBE Program, as amended, and understands that failure to comply with any of the requirements will be considered a breach of contract.

The CONSULTANT has provided Exhibit "D" (Participation for SBE Consultants) and Exhibit "E" (Letter's of Intent) attached hereto indicating the specific participation.

The CONSULTANT understands that each SBE firm utilized on this Contract must be certified by Palm Beach County in order to be counted toward the contract goal.

The CONSULTANT understands that it is the responsibility of the County Department letting the contract and the SBE Office to monitor compliance with the SBE Ordinance requirements. In that regard, the CONSULTANT agrees to furnish progress payment reports, with each billing, to both parties on the progress of the SBE participation for this Contract.

The CONSULTANT further agrees to provide the SBE Office with a copy of the CONSULTANT'S contract with the SBE subcontractor or any other related documentation upon request.

The CONSULTANT understands the requirements to comply with the tasks and proportionate dollar amounts throughout the term of the contract as it relates to the use of SBE firms. Any SBE's which, for any reason, no longer remain associated with the Project shall be replaced by the CONSULTANT with other certified SBE's, unless approval to the contrary is granted by the COUNTY.

The CONSULTANT understands that he/she is prohibited from making any contracts with the SBE in which the SBE promises not to provide subconsultant quotations to other bidders or potential bidders.

The CONSULTANT agrees to maintain all relevant records and information necessary to document compliance with the Palm Beach County Code and will allow the COUNTY to inspect such records.

The CONSULTANT shall certify in writing that all subcontractors, subconsultants and suppliers have been paid for work and materials from previous progress payments received, less any retainage, by the CONSULTANT prior to receipt of any further progress payments. During the term of the contract and upon completion of the contract, the COUNTY may request documentation to certify payment to subcontractors, subconsultants or suppliers. This provision in no way creates any contractual relationship between any subcontractor, subconsultant, or supplier and the COUNTY or any liability on the COUNTY for the CONSULTANT'S failure to make timely payment to the subcontractor, subconsultant or supplier.

7.9. **Personnel**

The CONSULTANT represents that it has, or will secure at its own expense, all necessary personnel required to perform the services under this Contract.

Such personnel shall not be employees of or have any contractual relationship with the COUNTY. All of the services required herein shall be performed by the CONSULTANT or under its supervision, and all personnel engaged in performing the services shall be fully qualified and, if required, authorized or permitted under state and local law to perform such services.

The CONSULTANT warrants that all services shall be performed by competent personnel in accordance with all applicable national, federal, state, and local professional and technical standards.

7.10. **Availability of Funds**

The COUNTY'S performance and obligation to pay under this Contract is contingent upon an annual appropriation for its purpose by the Board of County Commissioners.

7.11. **Conflict of Interest**

The CONSULTANT represents that it presently has no interest and shall acquire no interest, either direct or indirect, which would conflict in any manner with the performance or services required hereunder, as provided for in Chapter 112, Part III, Florida Statutes, and the Palm Beach County Code of Ethics. The CONSULTANT further represents that no person having any interest shall be employed for said performance of services.

The CONSULTANT shall promptly notify the COUNTY'S representative, in writing, by certified mail, of all potential conflicts of interest for any prospective business association, interest or other circumstance which may influence or appear to influence the CONSULTANT'S judgment or quality of services being provided hereunder. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that the 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 a conflict of interest if entered into by the CONSULTANT. The COUNTY agrees to notify the CONSULTANT of its opinion by certified mail within thirty (30) days of receipt of notification by the CONSULTANT. If, in the opinion of the COUNTY, the prospective business association, interest or circumstance would not constitute a conflict of interest by the CONSULTANT, the COUNTY shall so state in the notification and the CONSULTANT shall, at its option, enter into said association, interest or circumstance and it shall be deemed not in conflict of interest with respect to services provided to the COUNTY by the CONSULTANT under the terms of this Contract.

7.12. **Independent Contractor Relationship**

The CONSULTANT and subconsultants are, and shall be, in the performance of all work services and activities under this Contract, Independent Contractors, and not employees, agents, or servants of the COUNTY. The CONSULTANT does not have the power or authority to bind the COUNTY in any promise, agreement or representation other than specifically provided for in this Contract. The CONSULTANT shall be responsible to the COUNTY for all the work or services performed by the CONSULTANT or any person or firm engaged as a subcontractor to perform work in fulfillment of this Contract.

7.13. **Access and Audits**

The CONSULTANT shall maintain adequate records to justify all charges, expenses, and costs incurred in estimating and performing the work for at least three (3) years after completion or termination of this Contract. The COUNTY shall have access to such books, records, and documents as required in this section for the purpose of inspection or audit during normal business hours, at the CONSULTANT'S place of business.

7.14. **Severability**

If any term or provision of this Contract, or the application thereof to any person or circumstances shall, to any extent, be held invalid or unenforceable, the remainder of this Contract, or the application of such terms or provisions, to persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected, and every other term and provision of this Contract shall be deemed valid and enforceable to the extent permitted by law.

7.15. **Entirety of Contractual Agreement**

The COUNTY and the CONSULTANT agree that this Contract sets forth the entire agreement between the parties, and that there are no promises or understandings other than those stated herein. None of the provisions, terms and conditions contained in this Contract may be added to, modified, superseded or otherwise altered, except by written instrument executed by the parties hereto.

During the term of this Contract, the COUNTY may require professional services that are the same or similar to those described in this Contract. The COUNTY may, at its sole discretion, obtain said services in accordance with the State of Florida Consultants Competitive Negotiation Act. If the COUNTY so elects, it is mutually understood that the relationship between the CONSULTANT and the COUNTY under this Contract shall be considered as neither barring the CONSULTANT from, nor granting special consideration to the CONSULTANT, in participating in the selection process for a consultant to provide such additional services.

7.16. **Office of the Inspector General**

Palm Beach County has established the Office of the Inspector General in Palm Beach County Code Section 2-421 – 2-440, as may be amended. The Inspector General's authority includes but is not limited to the power to review past, present and proposed County contracts, transactions, accounts and records, to require the production of records, and audit, investigate, monitor, and inspect the activities of the CONSULTANT, its officers, agents, employees, and lobbyists in order to ensure compliance with contract requirements and detect corruption and fraud.

Failure to cooperate with the Inspector General or interfering with or impeding any investigation shall be in violation of Palm Beach County Code, Section 2-421 – 2-440, and punished pursuant to Section 125.69, Florida Statutes, in the same manner as a second degree misdemeanor.

SECTION 8 - SPECIAL PROVISIONS, EXHIBITS AND SCHEDULES

8.1 Federal & State Tax

The COUNTY is exempt from payment of Florida State Sales and Use Taxes. The COUNTY will sign an exemption certificate submitted by the CONSULTANT. The CONSULTANT shall not be exempted from paying sales tax to its suppliers for materials used to fulfill contractual obligations with the COUNTY, nor is the CONSULTANT authorized to use the COUNTY'S Tax Exemption Number in securing such materials.

The CONSULTANT shall be responsible for payment of its own and its share of its employees' payroll, payroll taxes, and benefits with respect to this Contract.

8.2. The following Exhibits are attached to and made a part of this Contract.

8.2.1. Exhibit A: Scope of Services

8.2.2. Exhibit B: Fee Summary

8.2.3. Exhibit C: Truth in Negotiation, Prohibition Against Contingent Fees & Public Entity Crimes Statements, Conflict of Interest Disclosure Form, Disclosure of Ownership Interests Form (if applicable).

8.2.4. Exhibit D: Participation for SBE Consultants

8.2.5. Exhibit E: Letters of Intent to Perform as an SBE and/or M/WBE (if applicable).

8.3. This Contract (consisting of pages 1 to 16, inclusive), together with the Exhibits and Schedules identified above constitute the entire agreement between the COUNTY and the CONSULTANT and supersedes all prior written or oral understandings. This Contract and said Exhibits may only be amended, supplemented, modified or canceled by a duly executed written instrument.

SECTION 9 - CRIMINAL HISTORY RECORDS CHECK

If CONSULTANT'S employees or subcontractors are required under this contract to enter a "critical facility," as identified in Resolution R-2003-1274, the CONSULTANT shall comply with the provisions of Chapter 2, Article IX of the Palm Beach County Code ("Criminal History Records Check" section). The CONSULTANT acknowledges and agrees that all employees and subcontractors who are to enter a "critical facility" will be subject to a fingerprint based criminal history records check. Although COUNTY agrees to pay for all applicable FDLE/FBI fees required for criminal history record checks, the CONSULTANT shall be solely responsible for the financial, schedule, and staffing implications associated in complying with this section of the Palm Beach County Code.

SECTION 10 - REGULATIONS; LICENSING REQUIREMENTS

The CONSULTANT shall comply with all laws, ordinances and regulations applicable to the services contemplated herein, to include those applicable to conflict of interest and collusion. CONSULTANT is presumed to be familiar with all federal, state and local laws, ordinances, codes and regulations that may in any way affect the services offered.

SECTION 11 - ARREARS

The CONSULTANT shall not pledge the COUNTY'S credit or make it a guarantor of payment or surety for any contract, debt, obligation, judgment, lien, or any form of indebtedness. The CONSULTANT further warrants and represents that it has no obligation or indebtedness that would impair its ability to fulfill the terms of this Contract.

SECTION 12 - **NONDISCRIMINATION**

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

SECTION 13 - **AUTHORITY TO PRACTICE**

The CONSULTANT hereby represents and warrants that it has and will continue to maintain all licenses and approvals required to conduct its business, and that it will at all times conduct its business activities in a reputable manner. Proof of such licenses and approvals shall be submitted to the COUNTY's representative upon request.

SECTION 14 - **TRUTH-IN-NEGOTIATION CERTIFICATE**

Signature of this Contract by the CONSULTANT shall also act as the execution of a truth-in-negotiation certificate certifying that the wage rates, over-head charges, and other costs used to determine the compensation provided for in this Contract are accurate, complete and current as of the date of the contract and no higher than those charged the CONSULTANT'S most favored customer for the same or substantially similar service.

The said rates and costs shall be adjusted to exclude any significant sums should the COUNTY determine that the rates and costs were increased due to inaccurate, incomplete or noncurrent wage rates or due to inaccurate representations of fees paid to outside consultants. The COUNTY shall exercise its rights under this section within three (3) years following final payment.

SECTION 15 - **REMEDIES**

This Contract shall be governed by the laws of the State of Florida. Any legal action necessary to enforce the contract will be held in Palm Beach County. No remedy herein conferred upon any party is intended to be exclusive of any other remedy, and each and every such remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter existing at law or in equity, by statute or otherwise. No single or partial exercise by any party of any right, power, or remedy hereunder shall preclude any other or further exercise thereof.

No provision of this Contract is intended to, or shall be construed to, create any third party beneficiary or to provide any rights to any person or entity not a party to this Contract, including but not limited to any citizen or employees of the COUNTY and/or CONSULTANT.

SECTION 16 - **EXCUSABLE DELAYS**

The CONSULTANT shall not be considered in default by reason of any failure in performance if such failure arises out of causes reasonably beyond the control of the CONSULTANT or its subcontractors and without their fault or negligence. Such causes include, but are not limited to, acts of God, force majeure, natural or public health emergencies, labor disputes, freight embargoes, and abnormally severe and unusual weather conditions.

Upon the CONSULTANT'S request, the COUNTY shall consider the facts and extent of any failure to perform the work and, if the CONSULTANT'S failure to perform was without it or its subcontractors fault or negligence, the Contract Schedule and/or any other affected provision of this Contract shall be revised accordingly, subject to the COUNTY'S rights to change, terminate, or stop any or all of the work at any time.

SECTION 17 - **CONTINGENT FEES**

The CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the CONSULTANT to solicit or secure this Contract and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the

CONSULTANT, any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of this Contract.

SECTION 18 - PUBLIC ENTITY CRIMES

As provided in F.S. 287.132-133, by entering into this Contract or performing any work in furtherance hereof, the **CONSULTANT** certifies that it, its affiliates, suppliers, subcontractors 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).

SECTION 19 - MODIFICATIONS OF WORK

The **COUNTY** reserves the right to make changes in Scope of Work, including alterations, reductions therein or additions thereto. Upon receipt by the **CONSULTANT** of the **COUNTY'S** notification of a contemplated change, the **CONSULTANT** shall, in writing: (1) provide a detailed estimate for the increase or decrease in cost due to the contemplated change, (2) notify the **COUNTY** of any estimated change in the completion date, and (3) advise the **COUNTY** if the contemplated change shall affect the **CONSULTANT'S** ability to meet the completion dates or schedules of this Contract.

If the **COUNTY** so instructs in writing, the **CONSULTANT** shall suspend work on that portion of the Scope of Work affected by a contemplated change, pending the **COUNTY'S** decision to proceed with the change.

If the **COUNTY** elects to make the change, the **COUNTY** shall initiate a Contract Amendment and the **CONSULTANT** shall not commence work on any such change until such written amendment is signed by the **CONSULTANT** and approved and executed on behalf of Palm Beach County.

SECTION 20 - SCRUTINIZED COMPANIES (when contract value is greater than \$1 million)

As provided in F.S. 287.135, by entering into this Contract or performing any work in furtherance hereof, the **CONSULTANT** certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the Scrutinized Companies With Activities in Sudan List or Scrutinized Companies With Activities in The Iran Petroleum Energy Sector List created pursuant to F.S. 215.473.

If the **COUNTY** determines, using credible information available to the public, that a false certification has been submitted by **CONSULTANT**, this Contract may be terminated and a civil penalty equal to the greater of \$2 million or twice the amount of this Contract shall be imposed, pursuant to F.S. 287.135.

SECTION 21 - PUBLIC RECORDS

If the Consultant acts on behalf of the County, the Consultant shall comply with the requirements of F.S. 119.0701, as amended, and shall specifically:

- A. Keep and maintain public records that ordinarily and necessarily are required by the County in order to perform services as provided under this Contract.
- B. Provide the public with access to public records on the same terms and conditions that the County is by law required to furnish, and at a cost that does not exceed the cost provided in Chapter 119 or as otherwise provided by law.
- C. Ensure that all public records that are exempt from public records disclosure requirements are not disclosed except as authorized by law.

-
- D. Meet all requirements for retaining public records and transfer, at no cost to County, all public records in possession of Consultant upon termination of the Contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to County in a format that is compatible with the information technology systems of County.

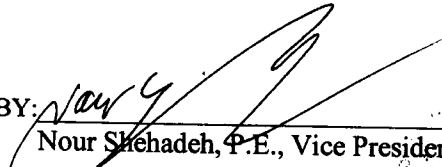
Failure of Consultant to comply with these requirements shall be a material breach of this Contract.

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

OWNER:
Palm Beach County, a Political Subdivision
of the State of Florida, by and through its
Board of County Commissioners:

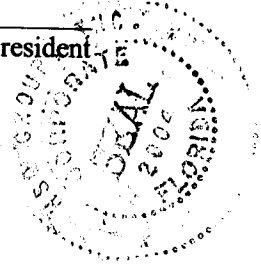
CONSULTANT:
HSQ Group, Inc.

BY: _____
Priscilla A. Taylor, Mayor

BY:  _____
Nour Shehadeh, P.E., Vice President

SEAL

CORPORATE SEAL



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

ATTEST WITNESS:

BY: _____
(Deputy Clerk)

BY: Roseann Abrams
(Print Name)

Roseann Abrams
(Signature)

APPROVED AS TO TERMS
AND CONDITIONS:

BY: Donna C. West
(Print Name)

BY: ⁵²⁹ Donna C. West

Donna C. West
(Signature)

APPROVED AS TO FORM &
LEGAL SUFFICIENCY:

BY: _____
Assistant County Attorney

EXHIBIT "A"

EXHIBIT "A"
Lyons Road
(Clint Moore Road to Atlantic Avenue)

COUNTY PROJECT NO. 2013527

SCOPE OF SERVICES

PROJECT LIMITS

HSQ Group, Inc., in concert with its sub consultants, proposes to provide professional engineering services required in connection with the proposed roadway construction and improvements of Lyons Road from Clint Moore Road to Atlantic Avenue in addition to the following limits:

1. 600' on each leg of Clint Moore Rd, east/west and 600' south of Clint Moore Rd
2. ROW to ROW plus 25' beyond ROW.
3. Entrances to developments, up to ROW line plus a distance up to either high or low point.
4. Linton Blvd 1000' from Lyons Road going east.
5. Side streets, 300'
6. Atlantic Ave 600' on each leg of the intersection plus 600' north of the intersection.

PROJECT DESCRIPTION

Services shall include preparation of complete roadway construction plans as follow:

1. Prepare construction plans for a four lane divided typical section with two-lanes each way with provisions for ultimate six-lanes from Clint Moore Road to Linton Blvd.
2. Prepare construction plans for 5-lane section from Linton Blvd to Atlantic Avenue.

It also includes bridge, drainage, curb and gutter, sidewalk, signing and pavement markings, signals (optional), permitting, design survey, and coordination with utilities and permitting agencies. Plans will be prepared in accordance with the following standards:

- Florida Greenbook, May 2011.
- Palm Beach County, Thoroughfare Roadway Design Procedures (February 2006).
- Palm Beach County TP-13.
- Palm Beach County Typical Sections - July 2013
- FDOT Design Standard dated 2014.

HSQ Group Inc. will provide all basic services listed below and will utilize sub consultants for some of the other services identified below.

Lyons Road
Clint Moore Rd to Atlantic Avenue
Scope of Services
Page | 1

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

*OK to process
drawings
4/4/14*

1. BASIC SERVICES

All submittals will include hard and PDF files either on CD or by email

1.1 PHASE I.

Services included under this phase are as follow:

1.1.1 Typical section phase

The typical section package will be developed based on 110' right of way and 45 mph design speed, from Clint Moore Rd to Linton Blvd with 4-lane divided that will be constructed at the ultimate location to accommodate for future 6-lane. Future widening to 6-lane will be accomplished in the median area. Another typical section will be prepared from Linton Blvd to Atlantic Avenue based on 5-lane section within the existing 80' right of way and design speed of 40 mph.

1.1.2 Master plan

A master plan will be prepared based on 1"=40' scale, showing all right -of-way lines, control radii, curb return radii, turning lane lengths and location, median openings and major intersection geometric. No profiles will be submitted with the master plan. This master plan will be utilized to receive approvals from the Roadway Production and Traffic Divisions for the proposed horizontal geometries and basic lane arrangements.

1.1.3 Initial utility contact plans

This includes the preparation of separate plan sheets and profile sheets showing the approved typical section, the right of way lines, the survey base line stations, intersecting side street names, existing profile and above ground utilities. These plans will be developed at a scale of 1"=40' horizontal and 1"=4' vertical for submittal to the utility companies having facilities along the project corridor. (Submittal will be done by the County).

- 1.1.4 Prepare a drawing / map for showing the result of the review of the title search. The drawings will have title block, street names, north arrow and will be printed on 11" x 17" at 1"=40' scale. These drawings will be submitted one time only.

Phase I Submittal (35% Completed plans including bridge plans)

This Phase will include a plan submittal reflecting the design parameters as determined during the Preliminary Phase submittal. Plans will be prepared based on "Palm Beach County Thoroughfare Road Design Procedures".

1.2 PHASE II

This phase will consist of incorporating the comments received from the Phase I submittal and completing a preliminary drainage design. The plans are submitted initially with the drainage design shown in plan view only. No drainage structure sheets are included in this phase submittal.

Potential utility conflicts will be identified, a pot hole meeting will be held and field survey of the suspected utility conflicts will be conducted. When the utility conflicts have been identified, HSQ Group Inc, will meet with the County's Project Engineer, Utility Coordinator

Lyons Road
Clint Moore Rd to Atlantic Avenue
Scope of Services
Page | 2

and the utility companies to determine a drainage design that minimizes the cost to the County and the impacts to the utilities.

After the preliminary drainage design has been accepted by the County, HSQ Group Inc., will complete the drainage calculations and the drainage design on the plan and profile sheets and submit it for distribution to the utility companies.

Phase II D Submittal (65% Completed including bridge plans)

This phase will include signal plans (as applicable), signing and pavement marking. Plans will be prepared based on "Palm Beach County Thoroughfare Road Design Procedures" including but not limited to the following:

A- Field review of proposed easements, restoration, etc.

A field review shall be conducted with the Roadway Production Division, to review the proposed right-of-way takes (if any) and analyze the need for permanent and temporary construction easements.

B- Right-of-way documents.

Right of-way maps will not be part of the scope of services. Sketches and legal descriptions will be prepared for acquisition, easements etc. per "Palm Beach County Thoroughfare Road Design Procedures ".

C- All permits applied for (All permits by KHA)

The following are anticipated permits for this project:

- South Florida Water Management District (SFWMD) (ERP)
- SFWMD – Dewatering permit. (Optional Services)
- Lake Worth Drainage District (ERP and bridge)
- FDOT (Drainage connection permit, Driveway connection permit and utility permit)
- Palm Beach County ERM (Vegetation and excavation permit).
- Army Corps of Engineers
- NPDES.
- FDEP

Permitting services will also include attending pre application/coordination meetings with agencies.

The cost of all permit fees will be the responsibility of HSQ Group Inc, to be reimbursed by the County.

1.3 Phase Submittals III (96%)

This phase will include signal plans, signing and pavement marking, a quantities book and engineering cost estimate. The Phase III submittal will be the first submittal containing drainage structure sheets and a complete drainage design, and will incorporate all the comments from the Phase II submittal.

1.4 Phase IV (100%) and Final including bridge plan

The Phase IV submittal will incorporate all the comments from the Phase III submittal and the final submittal will incorporate all the comments from the Phase IV submittal. The Final submittal will also include the signed and sealed plan sets along with electronic files on CD'S for producing construction plans for bidding purposes. All permits will be in hand prior to final submittal.

Utility Coordination, Phase IIIA & B, Phase IV A.

HSQ Group, Inc. will assist Palm Beach County in the utility coordination effort at the 35%, 65%, 96% and 100% plans submittals. We will attend a maximum of four utility coordination meetings and plot utility information on plans for inclusion in the construction plan package. The roadway design will be amended where possible to avoid utility conflicts.

1.5 Roadway Design

Roadway plans will be prepared in accordance with the approved Master Plan and Typical Sections, and will incorporate all review comments.

1.6 Intersections at Lyons Rd.

- A- Clint Moore Rd. Evaluate the need for northbound and southbound dual left turn lanes along with evaluating the need for additional right of way.
- B- Two future Hyder development entrances. Provide northbound left turn lanes and coordination with development projects as needed.
- C- The Bridges entrance. Provide southbound left turn lane.
- D- MIZNER Country Club. Provide southbound left turn lane. The county will conduct traffic warrant analyses for the need for a signal.
- E- Linton Blvd. Provide southbound left / u-turn.
- F- Design five side streets intersections north of Linton Blvd. Design along side streets will be provided as needed.
- G- Atlantic Ave will be designed based on fully expanded for 4-lane.

1.7 Driveways and Side Streets Profiles

Profiles will be prepared for all driveways and side streets.

1.8 Surveying Services

1. Review title search supplied by Palm Beach County prior to commencement of field topo to establish right-of-way width, and compile all plats and deeds into a map.
2. Collect benchmarks and global positioning control data.
3. Set control points tied to State plane at 600-foot intervals. "NAD 83, 1990 adjustment"
4. Run a closed level loop and set Benchmarks at 600-foot intervals outside the limits of constructions. Survey to be prepared based on the NAVD 1988 datum.

Exhibit "A" – Page 5 of 19

5. Locate subdivision corners, section corners and any other existing control monuments that will assist in the establishment of the location of the right-of-way lines for this project.
6. Locate above ground features with elevations.
7. Cross-section the project at 100' intervals extending 25 feet outside the right of way. In the vicinity of the curves at the south and north ends of the project, cross sections will be taken at 50' intervals
8. Acquire cross sections on the existing bridge at 10' intervals.
9. Acquire cross sections of L-35 canal at 50-foot intervals as follow; at face of headwall, 50' and 100' away from the headwall for both east and west directions.
9. Perform a detailed survey of the existing bridge over the L- 38 canal.
10. Acquire cross section for the L-38 canal as follow; starting at the east side of the bridge face, then at 50' and 100' away from the bridge. Also starting from the west side of the face of the bridge, then at 50', 100', and 150' away from the face of the bridge.
11. Acquire the finished floor elevation for all structures that adjoin the right of way and show on the survey. The elevations will be obtained from either as built or approved site plans but not from actual survey.
12. Detail drainage structures within the right of way including culverts at L- 40, L-39, L-37, L-36, L-35, L-34 Canals. Locate drainage outfall pipes in the lakes and canals as possible.
13. Acquire topo. on each side street up to 300'
14. Acquire topo and elevations at driveways up to either a low point or a high point
15. Locate all trees with size and type within right of way and 25' beyond right of way.
16. Set the baseline and references at all P.C.'s and P.T.'s of the baseline.

Optional Services

- 1- Prepare sketch and legal descriptions for temporary construction easements. Assume fifteen for the purpose of the fee proposal.
- 2- Provide assistance to the Geotechnical Engineer in locating the soil borings in relationship to the alignment.
- 3- Perform and prepare a Boundary and Topographic Survey on approximately a two acre tract of land to possibly be used for storm water detention. Location to be adjacent to the road's right of way
- 4- Obtain horizontal and vertical locations of existing utilities that possibly will be in conflict with proposed drainage structures.
- 5- Perform a detailed tree survey for the potential storm water detention areas. (assumed two locations, 2 acres each)

Survey Deliverables

- 1- Three signed and sealed copies of the sketch and legal descriptions.
- 2- Two signed and sealed 11" X 17" copies of the Specific Purpose Survey and a copy of the CADD file.
- 3- One copy of the topographic file, drainage file, utility file, right of way file, and point file in a Microstation digital CADD format.
- 4- One copy of the ASCII file of all elevations in terms of x,y,z, description.
- 5- Four signed and sealed copies of the cross sections for the LWDD L-35 and L-38 Canals at 1"= 10' both horizontal and vertical.
- 6- Create DTM drawing.

2. REIMBURSABLES

HSQ Group, Inc. will coordinate the following services with the sub consultants as follows:

- 2.1 **Geotechnical Services**
See attached scope from RADISE International
- 2.2 **Signal Design Services**
See attached scope from Miller-Legg and Associates.

2.3 **Environmental, permitting, drainage and bridge design.**

See attached scope of services from Kimley-Horn and Associates.

3. SERVICES NOT INCLUDED IN THIS PROJECT

The following items are not part the project's scope of services:

- Planimetric information (raster imaging will be used in lieu of Planimteric information.)
- Traffic volume counts
- Lighting plans
- Landscaping/irrigation plans, except irrigation sleeves which will be shown on the plans.
- Traffic control plans (MOT)
- Utility adjustment plans
- Title search (By Palm Beach County)
- Overhead signs
- Right-of-way acquisition assistance
- Construction administration services.

4. Post Design Services (Optional Services)

HSQ will provide post design services on as needed bases.

Geotechnical Services
RADISE International

Geotechnical Field Services

- 3 Mobilize drilling equipment and crew to the site.
- 3 Stake borings/utility clearances (1 for roadway/bridge/culverts, 1 misc structures, 1 pond).
- 3 Coordinate and Develop MOT Plans for Geotechnical Field Exploration.

Roadway

- 82 SPT borings to depths of 10' for every 400 feet intervals per lane with a 200 foot stagger (i.e. 41 in each direction).
- 9 LBR samples for determination of subgrade design LBR values (Three per mile).

Drainage

- 8 Double Ring Infiltrometer Tests along the swales spaced every 2000 feet.
- 3 Exfiltration Tests for System 1
- Perform borings for 2 pond sites.
 - 6 SPT borings to depths of 20 feet below existing grade, 3 borings for each pond.

Structures

- Standard Penetration Test (SPT) borings for one new Bridge.
 - 2 SPT Borings to 100 feet deep for Bridge Structure (Expansion).
- Standard Penetration Test (SPT) borings for 1 Culvert (L-35 area).
 - 2 SPT Borings to 25 feet deep for Culvert crossings, two borings for each culvert.

Laboratory Testing

- Visual Soil Classification.
- 30 Full Grain Size Analysis
- 15 Fine Content Determination
- 75 Moisture Content Tests
- 15 Organic Content Tests
- 8 Atterberg Limit Tests
- 4 Corrosion Series.
- 9 Limerock Bearing Ratio (LBR) Tests

Drafting Services

- Auger boring drafting.
- SPT boring drafting.

Professional Services

- Document collection review.
- Develop detailed boring location plan.

- Drilling access permits.
- Property clearances.
- Coordination of field work.
- Determine design LBR.
- Tabulate all laboratory data.
- Estimate seasonal high water table.
- Evaluation of the pond site for suitability as potential fill borrow area.
- Geotechnical recommendations for proposed roadway.
- Estimate design groundwater level for structures.
- Foundation evaluation and recommendations for proposed bridge and culvert structures.
- Design soil parameters for signs, signals, high mast lights and strain poles and geotechnical recommendations.

Submittals

- **Roadway & Drainage**
 - 1 Preliminary roadway report. (2 copies and CD)
 - 1 Final roadway report. (2 copies and CD)
- **Structures (Bridges, Culverts & Mastarms)**
 - 1 Preliminary structures report. (2 copies and CD)
 - 1 Final structures report. (2 copies and CD)

OPTIONAL SERVICES

Optional Services for Roadway

- Muck Delineation.
- 2 Man days for 2 man crew for 40 probes for silt and deleterious material
- Field reviews.
- Technical meetings.
- Coordination of optional field work with environmental consultant and field crews.
- 6 Environmental borings for Arsenic sampling to depths of 20' (Martin & Atlantic).
- 12 Arsenic Tests for soil samples obtained from the environmental borings.
- Coring of the existing asphalt and augering of base and subgrade
- Pavement Evaluation

Optional Services for Structures

- Specification development and review of Structural and Drainage parameters.
- Field reviews of unforeseen problem areas and changes to plans.
- Technical meetings with Structural and Drainage Engineers during design.
- Quality Assurance/Quality Control.
- Coordination of field work and deliverables to meet schedule.

Exhibit "A" – Page 9 of 19

- **Standard Penetration Test (SPT) Borings to depths of 40 feet for Mast Arm Foundations with Laboratory Testing and Professional Services:**
 - 2 Mast Arm Borings to depths of 40 feet at the intersection of Atlantic Ave.
 - 4 Mast Arm Borings to depths of 40 feet at the intersection of Clint Moore Rd.
 - 3 Mast Arm Borings to depths of 40 feet at the intersection of Mizner C. Club Dr.

Signal Design (Optional Services)

Miller-Legg and Associates

HSQ Group Inc., will coordinate the design of the traffic signals with its sub-Consultant Miller Legg and Associates, and will provide the necessary electronic base files for the signal design. The Lyons Road improvements include two traffic signal designs, listed as follows:

1. Atlantic Avenue (Modify Existing Signal Mast Arms or provide new)
2. Clint Moore Road (Span wire conversion to Mast Arms).
3. Mizner Country Club (New signal)

Any modifications to the existing signal at Atlantic Avenue will involve obtaining a permit from FDOT and potentially from LWDD.

Elements of Signalization work shall include construction plans, quantity computation, cost estimation and necessary incidental items for a complete project.

The CONSULTANT shall prepare contract plan sheets, notes, and details to include: Key Sheet, Tabulation of Quantities Sheet(s), General Note Sheet(s), Signalization Plan Sheet(s), Mast Arm Pole detail(s), special detail(s), Foundation Design, and Report of Core Borings. The scope shall include SUE (sub surface exploration) for new signal mast arm pole locations. No signal interconnect sheets are included and can be included as an additional service if necessary.

The CONSULTANT shall design the pole and signal head system in accordance with FDOT, MUTCD and Palm Beach County guidelines.

The CONSULTANT shall collect information from Palm Beach County and conduct a field review concerning all existing traffic signal equipment at the locations listed for submittal. The inventory will include the existing signal and pedestrian phasing and controller timing data.

The CONSULTANT shall meet with FPL to utilize the existing power source for the signals (if feasible), and shall coordinate with FPL should the power source be impacted by the proposed improvements.

Post design services are included in this scope, and shall include responding to RFI's (request for information) and shop drawing reviews.

For structural analyses of signal structures for mast arms and foundations refer to Kimley-Horn and Associates **"STRUCTURES SCOPE OF SERVICES"**

STRUCTURES SCOPE OF SERVICES

Kimley-Horn and Associates

Lyons Road Bridge over LWDD L-38 Canal

General Scope

Palm Beach County desires a bridge to accommodate the proposed improvements of Lyons Road from a two lane roadway to a divided four lane roadway. From discussions with the County staff at the pre-scoping meeting the County desires the bridge to accommodate the future six lanes of Lyon Road. The County also requested if the new bridge is separated less than ten feet from the existing bridge that the bridges should be tied together as one single bridge. The new bridge should match the existing bridge in span length and type. The County also requested a Utility Shelf be placed on the new bridge along the westerly side to accommodate any proposed or future utilities.

Task 1 – Information Gathering and Field Review

In this task The Consultant will gather all existing bridge information including but not limited to Bridge Plans, Bridge Inspection Reports, LLWD design criteria, right of way, etc. necessary for development of the proposed bridge. The Consultant will also conduct a field review to verify the existing conditions based on the information gathered.

Task 2 - Meetings

In this task The Consultant will be available for up to four meetings for Design with County Staff for coordination and review of Bridge Contract Documents and for progress and review meetings. The Consultant will also be available for up to one meeting for bid assistance.

Task 3 – Utility Coordination

In this task The Consultant will coordinate with Palm Beach County Utilities on protection measures for the existing Force Main located along the north side of the bridge. The Consultant will also coordinate with Florida Power and Light on protection of their overhead power lines located along the north side of the bridge. The Consultant will also coordinate with any other Utility Companies that have now or plan future crossings on this bridge.

Task 4 – Lake Worth Drainage District Coordination

In this task The Consultant will coordinate with Lake Worth Drainage District for the L-38 Canal Hydraulic and Canal side slope protection systems. It is anticipated that the bridge widening will be no lower than the existing bridge and the existing articulated block revetment will be continued beyond the proposed bridge widening to the west.

Task 5 – Bridge Type Selection Memorandum

In this task The Consultant will study up to three bridge configurations (superstructure and substructure) to determine the type of bridge structure to be carried forward for design and construction documents. The Bridge Type Selection Memorandum will be a memo will discuss

the bridge alternatives considered and the recommendation of the bridge type and configuration.

Task 6 – Bridge Design

In this task The Consultant will design the selected bridge type and configuration agreed to by the County. The bridge design will be in accordance with the AASHTO LRFD Bridge Design Specifications, Sixth Edition 2012 with 2013 Interim Revisions along with the FDOT Structures Manual, January 2013. Bridge design calculations will be on letter size format. Two sign and sealed hard copies of the bridge design calculations and one sign and sealed PDF document will be given to the County for their records.

Task 7- Bridge Contract Documents

In this task The Consultant will produce Bridge Contract Plans in accordance with FDOT standards utilizing 11"x 17" CADD format for Contract Plan sheets. Bridge plans will be in either MicroStation or AutoCAD format. FDOT 2013 Standard Specifications for Road and Bridge Construction will be utilized along with FDOT 2014 Design Standards.

Task 8 – Bridge Load Ratings

In this task The Consultant will conduct a Bridge Load Rating based on the Contract Documents. The Load Rating will be in accordance with FDOT Bridge Load Rating Manual, August 2012. Load rating calculations will be letter size format and Load Rating Summary Table based on latest FDOT criteria. Existing and new bridges will be load rated if the bridges are connected together to determine the controlling member. Two sign and sealed hardcopies along with one sign and sealed PDF document will be given to the County for their Records and to supply to FDOT District 4 for their records.

Task 9 – Bridge Quantities and Probable Opinion of Construction Cost

In this task The Consultant will provide the estimated bridge quantities based on the Contract Documents to the County. Contract Pay Items will be in accordance with FDOT Standard Pay Items. Utilizing FDOT Historic Cost, a Probable Opinion of Construction Cost will be prepared and submitted to the County.

Task 10 – Bid Assistance

In this task The Consultant will be available to assist the County in preparation of the Bid Documents and answer any questions by Contractors during the bidding of this project.

Task 11 – Construction Phase Services

In this task The Consultant will assist the County with Contractors "Request for Information (RFI's), Shop Drawing Reviews and perform the "As-built" Load Ratings for the bridge.

Task 12 – Permitting

Prepare LWDD bridge permit application and for culvert extension. This task includes up to one meeting with LWDD.

DRAINAGE DESIGN SCOPE OF SERVICES
Kimley-Horn and Associates

The design and preparation of drainage plans will be accomplished in substantial conformance with SFWMD and LWDD requirements and constraints imposed by local agencies. A drainage report will be prepared to document the design. Permit packages will be prepared by The Consultant with provisions for two responses to a Request for Additional Information (RAI) from reviewing agencies. The stormwater calculations scope of services assumes six drainage systems/basins as described below.

- System 1 – intersection widening for the area south of Clint Moore Road.
- System 2 – the Oaks development from Clint Moore Road to L-39 Canal.
- System 3 – GL Homes Hyder development from L-39 to L-38 Canal.
- System 4A – GL Homes Hyder development from L-38 to L-37 Canal.
- System 4B – GL Homes Bridges development from L-38 to L-37 Canal- this segment will be done by the developer.
- System 5 – Mizner Country Club from L-37 to L-36 Canal.
- System 6 – Proposed Linton Blvd dry pond from L-36 to L-35 Canal.
- System 7 – Proposed wet pond from L-35 to L-34 Canal.
- System 8 – intersection widening north of Atlantic Ave.

The drainage design will be based on the following:

- a. Water quality and water quantity will generally be provided in existing or proposed developers' lakes based on County Developer Order conditions. However, in system 6 the Consultant will explore creation of a dry pond within the Linton Blvd. right of way. Whereas in System 7 a wet pond will be proposed.
- b. At the termini of the project where intersection improvements are proposed, the stormwater system design for Systems 1 and 8 will consist of modification to the existing systems with use of exfiltration trenches as needed.
- c. System 2 (the Oaks) will be investigated for connection to the existing development lakes. However, if easements are not available, the proposed design will focus on use of exfiltration trenches and compensation for attenuation in GL Homes' Hyder development is System 3 to the north.
- d. It is assumed that existing lake and outfall conditions still allow for the direct connection to the existing drainage system and no analysis of the developments' stormwater management system is required.
- e. Analyze and design storm sewer pipe sizes to the outfall pipe (east of the Isola Bella entrance), not to the point of connection to existing structures (i.e. include on-site pipes and structures up to the outfall).

Lyons Road
Clint Moore Rd to Atlantic Avenue
Scope of Services
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- f. Inlet Spread analysis is not required when the drainage or curb run contributing to the inlet from either side does not exceed 300'.
- g. Provide drainage report documenting the design for County and permitting agencies use.
- h. Prepare drainage structure sheets for new structures proposed within the new 4-lane roadway where existing utilities are present. Of existing drainage structures, draw only the ones that will connect to proposed structures.
- i. Include drainage maps without aerial background in the roadway plans.
- j. For LWDD, prepare plans for the extension of one pipe culvert canal crossing L- .

Stormwater Permitting

- Prepare South Florida Water Management District (SFWMD) ERP permit application which will consist of modification of existing permits for developer systems and new permits for the proposed pond systems that are not within developments.
- Prepare Lake Worth Drainage District (LWDD) drainage permit application

Meetings

Attend one pre application meeting with SFWMD and LWDD and design and permitting meetings with SFWMD and LWDD.

ENVIRONMENTAL CONTAMINATION SCOPE OF SERVICES

Kimley-Horn and Associates

General Scope

Three contaminated sites are known to exist within the Lyons Road corridor that may be affected by the proposed roadway and drainage improvements. The characterization and mitigation of these properties are being regulated by the Florida Department of Environmental Protection (FDEP). Furthermore, the FDEP is expected to review and comment on any proposed improvements to the properties that encroach upon known areas of soil or ground water contamination. As such, THE CONSULTANT will coordinate with the representatives from the FDEP's Southeast District in West Palm Beach to determine all permit and plans requirements.

Task 1 - FDEP Coordination and Meetings

Conduct an initial meeting with FDEP. The purpose of the meeting will be to discuss the three contaminated properties and the proposed improvements to the roadway and drainage along Lyons Road. During the meeting, THE CONSULTANT will seek to determine the FDEP's level of the input and involvement that can be anticipated during the design and construction of the proposed improvements. Additionally, the meeting will be used to determine the documentation that will be necessary to prepare and submit to the Department to gain approval of the proposed construction activities. This includes determining the requisite FDEP permits and approvals that will be required prior to the start of construction. Prior to permitting phase, The Consultant will meet with FDEP to discuss further plans development.

Prior to the meetings, THE CONSULTANT will prepare exhibits to convey the anticipated project area and the areas where soil disturbance and potential construction dewatering are anticipated to occur. THE CONSULTANT will memorialize the meetings in a summary letter, which will be submitted to the Client.

Task 2 - Soil Management Plan

The proposed improvements to the roadway may affect the contamination present on three properties. As such, THE CONSULTANT will prepare a *Soil Management Plan* for the Lyons Road corridor. The purpose of the *Soil Management Plan* is to document the soil contamination on the affected properties relative to the proposed roadway and drainage improvements. Additionally, the *Plan* will outline procedures to be undertaken to address the potential for encountering and managing contaminated soil during construction.

It is anticipated that one or more areas of contamination will be disturbed during construction. The *Soil Management Plan* will document the known areas of contamination and will include the following:

- Narrative of the contamination associated with each of the three properties.
- Maps depicting the known areas of contamination relative to the roadway corridor.

- Written description of the procedures to be undertaken during the disturbance of known or suspected areas of contamination.
- Procedures for the on-site management of soil during construction.
- Specifications regarding the off-site disposal of known or suspected contaminated soil.
- Contingency plans in the event that unknown contamination is discovered during construction.

The *Soil Management Plan* will be signed and sealed by a Professional Geologist licensed in the State of Florida. Requisite copies of the Plan will be provided to the FDEP for consideration.

Task 3 - Construction Dewatering Plan

Dewatering may be required to facilitate the construction of the proposed roadway and associated drainage structures. As such, it will be necessary to prepare a *Construction Dewatering Plan* for the project. The *Plan* will document the proposed dewatering areas relative to the known or suspected areas of ground water contamination. It may be necessary to design physical or hydraulic controls to be used during dewatering to preclude lowering of the water table in the vicinity of the contamination. Evaluation of the effectiveness of these controls using a numerical ground water model (computer model), to simulate the dewatering activities is not included in this scope.

As necessary, the Dewatering Plan will include the following:

- A narrative of the ground water contamination known to be present in association with each of the properties.
- Maps depicting the location of the ground water contaminant plumes relative to the proposed dewatering areas.
- Radius of influence calculations for each dewatering area.
- Procedures for the handling, treatment, and disposal of the dewatering effluent.
- Contingency plans in the event that unknown or unsuspected ground water contamination is identified.
- Construction details for dewatering.

The *Construction Dewatering Plan* will be prepared by a Professional Geologist licensed in the State of Florida. Requisite copies of the Plan will be provided to the FDEP for consideration.

Task 4 - Permits

- THE CONSULTANT will also prepare a *Dewatering Permit Application* to be submitted to the South Florida Water Management District (SFWMD). The permit application will include documentation of the proposed dewatering activities and the specific means in which dewatering will be undertaken. A copy of the *Construction Dewatering Plan* will be included with the permit application.
- Discharge of the dewatering effluent is governed under the National Pollutant Discharge Elimination System (NPDES). As such, THE CONSULTANT will prepare and submit a Notice of Intent (NOI) to discharge ground water produced during dewatering under a Generic Permit. The NOI, which will be submitted to the FDEP, will document the proposed dewatering activities in addition to the manner in which the dewatering effluent will be managed and discharged. Preparation of the NOI is exclusive of environmental sampling to demonstrate ground water quality in the vicinity of the proposed dewatering area(s).

ENVIRONMENTAL SCOPE OF WORK

Kimley-Horn and Associates

Task 1 – Wetland Delineation and Agency Review

The Consultant will conduct a field visit to establish the limits of the jurisdictional wetlands and surface waters within the project corridor. The Consultant will field flag the wetlands in accordance with the State unified wetland delineation methodologies described in Chapter 62-340, Florida Administrative Code (FAC) and the US Army Corps of Engineers (USACE) 1987 Wetland Delineation Manual and regional supplement. An upland and wetland USACE datasheet will be completed for each wetland. Data will be collected in the field to complete wetland assessments using the State's Unified Mitigation Assessment Methodology (UMAM). UMAM data forms will be completed for each wetland identified in the field. The Consultant will coordinate with the Surveyor to incorporate the wetland limits into the roadway plans (surveying of wetland flags is not included in this scope of work).

After field flagging, the consultant will meet with representatives from the South Florida Water Management District (SFWMD) and USACE to verify the limits of the wetlands and surface waters for the purposes of permitting.

Task 2 – Endangered Species Assessment and Wood Stork Foraging Analysis

The Consultant will conduct field reconnaissance to identify the potential use of the project corridor by threatened and/or endangered species. The Consultant will use this information to draft a technical memorandum for use during Task 3 and 4 below. Information from this field reconnaissance will also be used to conduct a wood stork foraging analysis, which will be required by the USACE during permitting. The wood stork foraging analysis will be conducted in accordance with the South Florida Programmatic Concurrence Key established by the US Fish and Wildlife Service (USFWS) in May 2010. The information obtained during the wood stork foraging analysis will be used when establishing mitigation requirements during Task 3 and 4 below.

Task 3 – Environmental Resource Permit with SFWMD

The Consultant will prepare an Environmental Resource Permit (ERP) application for submittal to the SFWMD. This application is an online application and will include copies of the wetland delineation conducted in Task 1, the endangered species assessment conducted in Task 2, as well as plan and cross section drawings of the proposed roadway, a mitigation plan to offset unavoidable wetland impacts, and an alternatives discussion (focusing on onsite alternative alignments) explaining the rationale behind the proposed wetland impacts. Prior to application submittal, the Consultant will conduct a pre-application meeting with the SFWMD.

For the purposes of this project, it is assumed that all mitigation can be accomplished at Palm Beach County's Regional Offsite Mitigation Area, Pine Glades Mitigation Site. The Consultant will coordinate with County environmental staff for mitigation requirements. If mitigation is not available at Pine Glades, mitigation will be accomplished at Loxahatchee Mitigation Bank.

Once the application is submitted, the Consultant will respond to RAIs from the SFWMD.

All permit and mitigation fees shall be paid by the County.

Task 4 – Dredge and Fill Permit with USACE

The Consultant will prepare an Individual Permit application for submittal to the US Army Corps of Engineers. This application will contain information obtained in Tasks 1 to 3 described above, as well as a more detailed alternative's analysis as required by the USACE. This Alternatives Analysis will address potential avoidance and minimization efforts to limit the amount of wetland impacts the project proposes. Due to the relatively low quality of wetlands onsite, it is assumed that a standard alternatives analysis will be sufficient. Prior to application submittal the Consultant will meet with the USACE to discuss the proposed project and mitigation. This scope assumes the same mitigation used in Task 3 can be used for Task 4 (USACE and SFWMD will have same mitigation).

Once the application is submitted, the Consultant will respond to RAIs from the USACE.

All permit and mitigation fees shall be paid by the County.

EXHIBIT "B"



Lyons Road (Clint Moore Rd o W. Atlantic Ave)
Summary of fee proposal
County project number 2013527

HSQ GROUP, INC.
Engineers • Planners • Surveyors

ACTIVITY	SENIOR ENGINEER		PROJECT MANAGER		PROJECT ENGINEER		ENGINEER INTERN		CADD TECHNICIAN		Total	Total
	STAFF HOURS	HR. RATE	STAFF HOURS	HR. RATE	STAFF HOURS	HR. RATE	STAFF HOURS	HR. RATE	STAFF HOURS	HR. RATE	STAFF HRS. ACTIVITY	COST BY ACTIVITY
1-Roadway Design Analysis	169.00	\$ 49.00	338.00	\$ 48.00	518.00	\$ 40.00	90.00	\$ 27.00	12.00	\$ 24.00	✓ 1127.00	\$ 47,943.00
2-Drainage Analysis	0.00	\$ 49.00	0.00	\$ 48.00	0.00	\$ 40.00	0.00	\$ 27.00	0.00	\$ 24.00	✓ 0.00	\$ -
3-Roadway Plans	234.00	\$ 49.00	467.00	\$ 48.00	818.00	\$ 40.00	584.00	\$ 27.00	233.00	\$ 24.00	✓ 2336.00	\$ 87,962.00
4-Drainage Plans	0.00	\$ 49.00	0.00	\$ 48.00	0.00	\$ 40.00	0.00	\$ 27.00	0.00	\$ 24.00	✓ 0.00	\$ -
5-Utilities	0.00	\$ 49.00	69.00	\$ 48.00	69.00	\$ 40.00	0.00	\$ 27.00	0.00	\$ 24.00	✓ 138.00	\$ 5,072.00
6-Permits	0.00	\$ 49.00	20.00	\$ 48.00	0.00	\$ 40.00	0.00	\$ 27.00	0.00	\$ 24.00	✓ 20.00	\$ 960.00
7-Signing & Pavement Marking	64.00	\$ 49.00	64.00	\$ 48.00	319.00	\$ 40.00	128.00	\$ 27.00	63.00	\$ 24.00	✓ 638.00	\$ 23,936.00
TOTAL Basic Services	✓ 467.00		✓ 958.00		✓ 1724.00		✓ 802.00		✓ 308.00		✓ 4259.00	✓ 166,873.00
TOTAL Optional Services	37.00	\$ 49.00	82.00	\$ 48.00	87.00	\$ 40.00	37.00	\$ 27.00	27.00	\$ 24.00	✓ 250.00	\$ 9,916.00
	\$ 1,813		\$ 2,976		\$ 3,480		\$ 999		\$ 648			

HSQ FEE CALCULATIONS

Type of services	Cost by activity	Overhead multiplier	Overhead cost	Subtotal (cost by activity + overhead cost)	Profit (%)	subtotal profit	TOTAL
Basic services (HSQ)	\$ 166,873.00	156.42%	\$ 261,022.75	✓ \$ 427,895.75	12.00%	✓ \$ 51,347.49	✓ \$ 479,243.24
Optional services (HSQ)	\$ 9,916.00	156.42%	✓ \$ 15,510.61	✓ \$ 25,426.61	12.00%	✓ \$ 3,051.19	✓ \$ 28,477.80
Basic survey services (HSQ)							✓ \$ 128,813.51
Optional survey services (HSQ)							✓ \$ 19,386.38
Reimbursables: Reproduction and permit fees (HSQ)							✓ \$ 37,725.00

(SUB-CONSULTANTS)

Type of Services	Sub-Consultants			
	Kimley-Horn and Associates, Inc.	Miller Legg	RADISE International	TOTAL
Basic Services	\$ 304,046.53	\$ -	\$ 81,932.50	\$ 385,979.03
Optional Services	\$ 25,231.37	\$ 11,863.99	\$ 63,898.00	\$ 100,993.27
REIMBURSABLES	\$ -	\$ -	\$ -	\$ -

PROJECT TOTAL FEES SUMMARY

Total Basic Services	\$ 994,035.78	HSQ plus all Subs
Total Optional Services	\$ 178,857.45	HSQ plus all Subs
REIMBURSABLES	\$ 37,725.00	HSQ plus all Subs
GRAND TOTAL	\$ 1,210,618.23	HSQ plus all Subs

LYONS ROAD

Lyons Road (Clint Moore Rd o W. Atlantic Ave)

1 - ROADWAY DESIGN ANALYSIS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Typical Section Package	LS	1	100		100	1 sec south of Clint Moore+ 1 section north of Clint Moore+ 1 section from Clint More to Linton Blvd+1 section from Linton Blvd to Atlantic + 1 section north of Atlantic+ partial sections at Atlantic + 1 sec for side streets + 1 sec for Linton Blvd . Incl <u>all revisions</u>
2. Master plan, geometry (horiz. & verti.), access management	LS	1	500		500	includes 2-sets of super-elevation curves+ master plan / revisions of the master plan+ intersections geometry as listed under item 1.6 of the scope which includes evaluation of the need of NB & SB dual lgs at Clint Moore + vertical geometry of PGL and tie ins to adjacent properties + side streets/driveways profile and tie ins
3. Design Computation/Documentation Report	LS	1	75		75	Prepare Design Report to show all design cal such as, GR,super-elevation for 2 sets of curves, vertical geometry etc.
4. Coordination with subs (DURING DESIGN AND BIDDING)	LS	1	64		64	Geotechnical+Traffic+ kh including (bridge, drainage, enviromental, permitting etc)
5- Platea intersection for Atlantic Ave / Lyons Rd	LS	1	60		60	
6. Quantity Computation Book	LS	1	150		150	includes Updates, signing and marking, and all other items from subs as applicable
7. Construction Cost Estimates & Update	LS	1	40		40	based on 4 estimates
8. Technical Special Provisions	LS	1	0		0	not included
9. Coordination with project under design	LS	1	40		40	GL Homes (Hyder) +other proposed developments along the project + existing development (The Bridges+ Mizner CC+Stone Greek) Church and other property owners
10. Develop & update Schedules	LS	1	16		16	
11. Field Reviews	EA	5	8		40	
12. Progress meeting with the county	EA	7	6		42	assume meetings at 35%+65%+96%+100% plus 3 unplanned meeting. Including meeting minutes and distribution
TOTAL					✓ 1,127	

2 - DRAINAGE ANALYSIS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Evaluation of Exist. Side street Drainage System	LS				0	
2. Review/Evaluate existing lake system for subdivisions receiving runoff from Lyons Rd	EA				0	
3. Culvert design L-13 and L-12 canal	EA				0	
5. Design of New Storm Sewer	EA				0	
6. Design of exfiltration system	EA				0	
7. Design of New Swale System as Stormwater Facilities	LS				0	
8. Special Misc. Drainage Design / Details	EA				0	
9. Coordination with KH	LS				0	
TOTAL					0	

3 - ROADWAY PLANS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Key Map	Sheet	1	8	1	8	
2. Typical Section	Sheet	4	8	4	32	drafting of typical sections
3. Summary of Quantities	Sheet	1	40	1	40	
4. Plan views	Sheet	40	20	40	800	based on 1"=40' scale. 3 sheets S. of Clint Moore + 3 sheets on Clint Moore + 28 sheets on Lyons Rd + 2 sheets north of Atlantic + 3 sheets at Atlantic + 1 sheet at Linton
5. Profile views	Sheet	40	15	40	600	40 sheets as indicated above
6. Misc. Detail sheets	Sheet	3	8	3	24	this applies to roadway misc details
7. Project control survey	Sheet	6	12	6	72	
8. General Notes & pay items notes	Sheet	2	12	2	24	
9. Soil Data Sheet	Sheet	8	2	8	16	
10. Cross-Sections	EA	222	3	80	666	assumed about 4 miles with transitions at 212 + 10 sec for superelevations (4 curves)
11. Driveway profiles	EA	18	3	5	54	
TOTAL				190	2336	

4 - DRAINAGE PLANS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Drainage Maps with, plan/prof	Sheet			0	0	
2. Drainage Structures	EA			0	0	
3. New Conflict structure	EA			0	0	
4. Summary of Drainage Structures	Sheet			0	0	
5. Stormwater Detention / swale Plans	EA			0	0	
6. Drainage Details	Sheet			0	0	
TOTAL				0	0	

5 - UTILITIES

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Initial Utility Contact	LS	1	8		8	
2. Follow up with county / provide CADD and PDF files to utilities as needed	LS	1	16		16	
3. Submit plans all phases	EA	5	6		30	
4. Review of Exist. Records	LS	1	24		24	
5. Resolution of utilities conflicts & coordination of potholes, etc.	LS	1	30		30	
6. Conferences & Meetings	EA	5	6		30	including meeting minutes
TOTAL					✓ 138	

6 - PERMITS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Agency coord/ Pre-application meetings	EA	5	4		20	for meetings with agencies, LWDD, SFWMD, FDOT, USACOE, FDEP, ETC and prepare meeting minutes
2. Prepare/submit ERM Veg Rem app	LS				0	
3. Prepare/submit ERP app to SFWMD	LS				0	
4. Prepare and submit to LWDD (ERP +ROW)	LS				0	
5. Prepare / submit to FDOT	LS				0	
6. Respond to comments from the US Army Corp	LS				0	
TOTAL					✓ 20	

7 - SIGNING & PAVEMENT MARKING

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Key Sheet	Sheet	1	6	1	6	
2. General Notes	Sheet	2	6	2	12	
3. Tabulation of Quantities	Sheet	5	12	5	60	
4. Plan Sheets (single panel)	Sheet	40	14	40	560	
TOTAL				48	638	

8 - OPTIONAL SERVICES

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Side street realignment design and plan sheets	EA	6	20		120	
2. Profile of side streets profile sheets	EA	6	15		90	
3- Post design services	LS	1	40		40	
TOTAL				0	250	



HSQ GROUP, INC.
Engineers • Planners • Surveyors

Lyons Road (Clint Moore Rd to Atlantic Ave)
Summary of Reimbursable charges
County project number 2013527

Reproduction and printing

Description	Quantity	Unit	Unit price	Total	Notes	
Photo copies (8 1/2" x 11" black / white)	Correspondences	10000	page	\$ 0.10	\$ 1,000.00	Assume 20 months @ 500 pages
	Design computation reports	1800	page	\$ 0.10	\$ 180.00	First submittal + two revisions @ 4 copies with 150 pages each
	Quantity computation books	3600	page	\$ 0.10	\$ 360.00	First submittal + two revisions @ 4 copies with 300 pages each
Photo copies (8 1/2" x 11" color)	Misc. copies in color	1000	page	\$ 1.00	\$ 1,000.00	During the life of the project
Photo copies (11" x 17" black and white)	Typical section package	40	page	\$ 0.25	\$ 10.00	Four copies @ 10 pages
	Utility submittals	16000	page	\$ 0.25	\$ 4,000.00	Initial submittal + 4 sub @ average 200 sheets for 8 companies, 2 copies each
	Plans for permits, inc. FDOT	3600	page	\$ 0.25	\$ 900.00	six copies @ 200 sheets for SFWMD / LWDD including resubmittals and others
	County review	5000	page	\$ 0.25	\$ 1,250.00	Master plans + 4 submittals at 4 copies each @ average 250 sheets incl S&M
	Final plans	1000	page	\$ 0.25	\$ 250.00	4 copies of all final plans, assume each set is 250 sheets incl S&M
Photo copies (11" x 17" color)	Misc. copies in color	600	page	\$ 1.00	\$ 600.00	During the life of the project
Exhibits (Color)	For county use in review	4	Each	\$ 100.00	\$ 400.00	
Postage / FEDEX	Each	20	Each	\$ 15.00	\$ 300.00	During the life of the project, to county and subs
CD's	Each	10	Each	\$ 10.00	\$ 100.00	
Subtotal					\$ 10,350.00	

Permitting

Description	Amount	Notes
LWDD	\$ 1,200.00	BRIDGE
LWDD	\$ 1,200.00	CULVERT
LWDD DRAINAGE ASSUME 3 CONTROL STRUCTURES	\$ 2,500.00	
PBC ERM	\$ 1,725.00	
SFWMD DEWATERING	\$ 3,250.00	
FDEP NOI	\$ 500.00	
WETLAND DELINEATION AND AGENCY REVIEW WITH USACE	\$ 500.00	
ERP MOD WITH SFWMD (2 PERMITS)	\$ 9,000.00	
DREDGE AND FILL PERMIT WITH USACE	\$ 100.00	
TOTAL Reproduction, printing and permit fees	\$ 27,375.00	



Lyons Road (Clint Moore Rd to W Atlantic Ave)
Summary Surveying fee proposal

Basic Survey Services	✓ 670.00	\$ 48.00	✓ 93.00	\$ 43.00	✓ 322.00	\$ 27.00	0.00	\$ -	✓ \$ 44,853.00
Optional Survey Services	✓ 60.00	\$ 48.00	✓ 14.00	\$ 43.00	✓ 34.00	\$ 27.00	0.00	\$ -	✓ \$ 4,400.00
	\$32,160		\$3,999		\$8,694				
	\$2,880		\$602		\$918				

HSQ FEE CALCULATIONS

Basic services	\$ 44,853.00	156.42%	\$ 70,159.06	✓ \$ 115,012.06	(13,901.45)	12.00%	✓ \$ 128,813.51
Optional Services	\$ 4,400.00	156.42%	\$ 6,882.48	✓ \$ 11,282.48	(1,353.98)	12.00%	✓ \$ 12,636.38
Sketch and legal descriptions							✓ \$ 6,750.00
Reimbursables							
TOTAL							✓ \$ 148,199.89

Lyons Road (Clint Moore Rd to W Atlantic Ave)

Basic Survey Services



HSQ GROUP, INC.

Engineers • Planners • Surveyors

Item No.	Work Task	Estimated Work Hours			Notes
		Two-Man Field Crew	Professional Land Surveyor	Survey/CADD Technician	
1	Review title search / creat map		12	40	establish ROW width, and compile all plats and deeds into 24" x 36" drawings. Use 2 panels per sheet
2	Collect BM and global positioning control data		4		
3	Set control points ties to state plane at 600 intervals	40	8		
4	Run closed level loop /set BM at 600' intervals	30	4		based on NAVD 1988 Datum
5	Locate subdivision corners, existing corners	60	8	16	including control monuments
6	Locate above ground features with elevations	80	8	24	
7	Cross section Lyons Rd @100' intervals	140	8		222 sections at Lyons rd + 20 section at curves + plateau of Atlantic
8	Cross section existing bridge at 10' intervals	4	2		
9	L-35 Canal sections	6	1	18	6 sections, draw section as per LWDD std (3 sheets)
10	Detail survey of existing bridge @ L-35 Canal	8	2	8	
11	L-38 Canal cross sections	8	2	24	8 sections, draw section as per LWDD std (4 sheets)
12	Acquire FF Elevation of adjacent buildings		2	12	NOT from survey, either from as built or site plans
13	Detailed existing drainage within ROW	180	8	40	incl. 6 Culverts + locate 6 outfalls at lakes and canal as possible + 160 existing inlets + 10 MES + ret. Area at Atlantic
14	Obtain side streets topo up to 300'	16	2	8	6 sidestreets
15	Obtain topo of driveways up to a high or low point	18	2	8	18 driveways
16	Locate trees with size and type within the ROW and 25' beyond	40	4	24	west side ROW from L-38 to L-37 (2500'X50' = 2.87 AC)
17	set baseline and references at all PC's and PT's	40	4	24	
18	Prepare Microstation files for design i.e., Topo file, utility file, point file and ASCII file		8	60	
19	Creat DTM		4	16	
TOTAL HOURS		✓ 670	✓ 93	✓ 322	

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Lyons Road for HSQ
 County: PB
 Project No.:
 FAP No.:

Consultant Name: Kimley-Horn and Associates, Inc.
 Consultant No.: TBD
 Date: 4/22/2014
 Estimator: Marwan Mufleh, P.E.

Staff Classification	Total Staff Hours From "S4 Summary - Firm"	Project Manager	Chief Engineer	Senior Project Engineer	Project Engineer	Engineering Intern	Designer	Sr CAD							SH By Activity	Salary Cost By Activity	Burdened Cost Per Task
		\$52.90	\$0.00	\$47.02	\$41.50	\$28.46	\$33.50	\$22.90	\$11.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
5. Roadway Plans	635	64	0	127	190	0	254	0	0	0	0	0	0	0	635	\$25,865.44	\$77,568.28
6. Drainage Analysis	702	63	0	366	253	0	0	0	0	0	0	0	0	0	702	\$32,329.32	\$96,987.91
7. Contamination	122	6	0	9	53	12	37	5	0	0	0	0	0	0	122	\$4,961.58	\$13,984.73
8. Environmental Permits, Compliance & Clearances	330	17	0	83	157	0	96	7	0	0	0	0	0	0	330	\$13,788.66	\$41,365.96
9. Structures - Misc. Tasks, Dwg's, Non-Tech.	89	18	0	58	13	0	0	0	0	0	0	0	0	0	89	\$4,271.06	\$12,813.17
10. Structures - Bridge Selection Memo	86	9	0	40	27	0	13	0	0	0	0	0	0	0	89	\$3,948.80	\$11,846.69
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
13. Structures - Medium Span Concrete Bridge	372	37	0	167	112	0	56	0	0	0	0	0	0	0	372	\$16,483.94	\$49,451.79
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
30. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0.00
Total Staff Hours	2,336	214	0	670	805	12	426	12	0	0	0	0	0	0	2,339		
Total Staff Cost		\$11,320.60	\$0.00	\$41,690.40	\$33,407.50	\$341.40	\$14,271.00	\$318.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$101,348.90	\$304,046.53

SALARY RELATED COSTS:
 OVERHEAD - CAPPED
 OPERATING MARGIN
 FCCM (Facilities Capital Cost Money)
 EXPENSES:
 SUBTOTAL ESTIMATED FEE: (Lump Sum)

167.857%
 12.00%
 0.003%

Optional Services - Dewatering
 Optional Services - Structures

✓ \$101,348.90
 ✓ \$170,121.22
 ✓ \$32,576.41
 ✓ \$0.00
 ✓ \$0.00
 ✓ \$304,046.53
 ✓ \$21,380.17
 ✓ \$3,871.20

- 3.0 multiplier

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Project Activity 5: Roadway Plans

Estimator: Marwan Mufleh, P.E.

Lyons Road for HSQ

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
5.1	Key Sheet		Sheet	0	0	0	0	
5.2	Summary of Pay Items Including Quantity Input		Sheet	0	0	0	0	
5.3	Drainage Map		Sheet	6	20	6	120	200 scale
5.4	Interchange Drainage Map		Sheet	0	0	0	0	N/A
5.5	Typical Section Sheets		Sheet	0	0	0	0	
5.6	General Notes/Pay Item Notes		Sheet	0	0	0	0	
5.7	Summary of Quantities		Sheet	0	0	0	0	
5.8	Box Culvert Data Sheet		Sheet	0	0	0	0	N/A
5.9	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	0	N/A
5.10	Summary of Drainage Structures		Sheet	4	20	4	80	summary tables of all structures
5.11	Optional Pipe/Culvert Material		Sheet	0	0	0	0	
5.12	Project Layout		Sheet	0	0	0	0	
5.13	Plan/Profile Sheet		Sheet	0	0	0	0	N/A
5.14	Profile Sheet		Sheet	0	0	0	0	
5.15	Plan Sheet		Sheet	0	0	0	0	
5.16	Special Profile		Units	0	0	0	0	
5.17	Back of Sidewalk Profile Sheet		Sheet	0	0	0	0	N/A
5.18	Interchange Layout Sheet		Sheet	0	0	0	0	N/A
5.19	Ramp Terminal Details (Plan View)		Sheet	0	0	0	0	N/A
5.20	Intersection Layout Details		Sheet	0	0	0	0	

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Project Activity 5: Roadway Plans

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
5.21	Miscellaneous Detail Sheets		Sheet	0	0	0	0	
5.22	Drainage Structure Sheet (Per Structure)		EA	118	2.5	36	295	8 systems (118 structures)
5.23	Miscellaneous Drainage Detail Sheets		Sheet	4	20	5	80	8 systems (assumes 3 shts to include outfalls off site, weir, skimmer, modification, exfiltration trenches for systems 2 and 3) + 1 sht for Culvert crossing extension and end treatment
5.24	Lateral Ditch Plan/Profile		Sheet	0	0	0	0	
5.25	Lateral Ditch Cross Sections		EA	0	0	0	0	
5.26	Retention/Detention Ponds Detail Sheet		Sheet	2	24	3	48	pond locations at north end of project and 1 at Linton
5.27	Retention Pond Cross Sections		EA	6	2	5	12	Pond earthwork & tie in to existing ground on all sides for new pond. <u>Assumes Linton will be included in roadway cross sections.</u>
5.28	Cross-Section Pattern Sheet		Sheet	0	0	0	0	N/A
5.34	Utility Adjustment Sheets		Sheet	0	0	0	0	
5.35	Selective Clearing and Grubbing		Sheet	0	0	0	0	N/A
5.36	Erosion Control Plan		Sheet	0	0	0	0	
5.37	SWPPP		Sheet	0	0	0	0	
5.38	Project Control Network Sheet		Sheet	0	0	0	0	
5.39	Environmental Detail Sheets		LS	0	0	0	0	N/A
5.40	Utility Verification Sheet (SUE Data)		Sheet	0	0	0	0	Included in HSQ's utility coord.
5. Roadway Plans Total						59	635	

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Project Activity 6: Drainage Analysis

Estimator: Marwan Mufleh, P.E.

Lyons Road for HSQ

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6.1	Establish Existing Drainage System	LS	1	48	48	analyze and document existing drainage systems of adjacent developments for establishing design parameters, stages, tailwater and documentation (9 systems)
6.2	Pond Siting Analysis and Report	Per Basin	1	26	26	Evaluate 2 pond locations, coord with property owner/County on location of ponds, outfalls, easements and alternate configurations
6.3	Design of Cross Drains	EA	1	12	12	LWDD L-35 Canal crossing culvert extension
6.4	Design of Roadway Ditches	Per Ditch Mile	0	0	0	
6.5	Design of Outfalls	EA	6	6	36	6 outfalls
6.6	Design of Stormwater Management Facility (Offsite Pond)	EA	1	30	30	pond acquisition (design, sizing, configuration, slopes, maintenance, fencing, contamination coord. At north end
6.7	Design of Stormwater Management Facility (Roadside Ditch as Linear Pond or Infield Pond)	Per System	1	30	30	linear Pond at Linton
6.8	Design system to connect to and incorporate existing pipe network within existing developments	EA	4	14	56	Analyze 4 systems with their existing internal development pipes leading to the outfalls, if exist. size is inadequate, revise design to avoid reconstruction of pipes within private development)
6.9	Design of Storm Drains	EA	118	2.5	295	design of storm tabs hydraulics & structure information, elev, inverts, size, etc.
6.10	Optional Culvert Material	LS	0	0	0	
6.11	French Drain Systems	Per System	2	18	36	Design analysis & calculation for F.D. segments for systems 2 and 3 to compensate for lake in system 1
6.12	Drainage Wells	EA	0	0	0	N/A
6.13	Drainage Design Documentation Report	LS	1	78	78	prepare drainage design report for permitting & documentation purposes (8 systems) & update 1 time

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Project Activity 6: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unft	Total Hours	Comments
6.14	Bridge Hydraulic Report	EA	0	0	0	N/A
6.15	Temporary Drainage Analysis	LS	0	0	0	
6.16	Cost Estimate	LS	0	0	0	By HSQ
6.17	Technical Special Provisions	LS	0	0	0	N/A
6.18	Other Drainage Analysis	LS	0	0	0	N/A
Drainage Analysis Technical Subtotal					647	
6.19	Field Reviews	EA	3	5	15	1 trip @ permitting stage by drng engineer & 1 for pond location x 2 ponds
6.20	Technical Meetings	LS	1	40	40	see listing below
6.21	Quality Assurance/Quality Control	LS	%	0%	0	
6.22	Independent Peer Review	LS	%	0%	0	
6.23	Supervision	LS	%	0%	0	
Drainage Analysis Nontechnical Subtotal					55	
6.24	Coordination	LS	%	0%	0	
6. Drainage Analysis Total					702	

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Project Activity 6: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
Technical Meetings						
	Base Clearance Water Elevation	EA	0	0	0	
	Pond Siting	EA	2	4	8	pond acquisition mtgs w property owner/County to coord local 2 SFWMD, 2 LWDD
	Agency	EA	4	4	16	
	Local Governments (cities, counties)	EA	0	0	0	
	FDOT Drainage	EA	0	0	0	
	Other Meetings	EA	0	0	0	
	Subtotal Technical Meetings				24	
	Progress Meetings	EA	4	4	16	project coordination quarterly mtg 4 meetings, incl. drainage & permitting approach, issues, reviews
	Phase Review Meetings	EA	0	0	0	
	Total Meetings				40	

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Project Activity 7: Contamination

Estimator: Marwan Mufleh, P.E.

Lyons Road for HSQ

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.1	FDEP Coordination / Meetings	LS	1	32	32	2 meetings prep, attendance, minutes, QC (16 hrs) plus follow-up, coordination, conference calls, correspondence documentation throughout life of project (16 hrs)
7.2	Soil Management Plan	LS	1	90	90	Document soil contamination relative to project area, evaluate soil disposal options, coord design/const levels of accommodation of contamination, jurisdictional oversight.
7. Contamination Total					122	

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Project Activity 8: Environmental Permits, Compliance and Clearances

Estimator: Marwan Mufleh, P.E.
Updated 080818

Lyons Road for HSQ

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.1	1 - Wetland Delineation and Agency Review	LS	1	32	32	Wetland delineation - 2 people 8 hours each Agency review of lines - 4 hrs ea agency x 2 = 8 USACE data sheets - 2 hrs ea wetland (2 wetlands & 4 jurisdictional ditches) UMAM data forms - 2 hrs ea wetland (2 wetlands & 4 jurisdictional ditches) Survey coordination - 4 hours
8.2	2 - Endangered Species Assessment and Wood Stork Foraging Analysis	LS	1	40	40	Species survey - 2 people 4 hours each Species Memo - 12 hours Graphics for species memo - 4 hours Wood stork foraging analysis - 16 hours
8.3	3 - Environmental Resource Permit with SFWMD	LS	1	94	94	Permit application - 8 hours Wetland permit sketches (5) - 34 hours Mitigation coordination and alternatives analysis - 20 hours Pre-application meeting - 4 hours Response to RAI 1 - 20 hours Response to RAI 2 - 12 hours
8.4	4 - Dredge and Fill Permit with USACE	LS	1	60	60	Permit application - 4 hours Alternatives analysis - 20 hours Pre-application meeting - 4 hours Response to RAI 1 - 20 hours Response to RAI 2 - 12 hours
8.5	5 - PBC ERM Permit	LS	1	32	32	Vegetation and pond excavation (permit, field review and tree tag RAI)
8.6	6 - LWDD Permits (3 permits)	LS	1	72	72	28 hrs for bridge permit, 12 hrs for culvert crossing permit, 32 hrs for drainage permit = 72 hrs
8. Environmental Permits, Compliance and Clearances Total					330	

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Project Activity 9: Structures - Summary and Miscellaneous Tasks and Drawings

Estimator:

Lyons Road for HSQ

Task No.	Task	Units	Design and Production Staffhours				Comments				
			No. of Units	Hours per Unit	No. of Sheets	Total					
	General Drawings										
9.1	Index of Drawings	Sheet	1	5	1	5	1 Key Sheet along with Index to Plans				
9.2	Project Layout	Sheet	0	0	0	0	Not Applicable				
9.3	General Notes and Bid Item Notes	Sheet	2	5	2	10					
9.4	Miscellaneous Common Details	Sheet	0	0	0	0	Not Applicable				
9.5	Incorporate Report of Core Borings	Sheet	2	0.5	2	1	Assume 2 sheets				
9.6	Existing Bridge Plans	LS	1	3		3	Add EX sheet Numbers to existing plans PDF format				
9.7	Assemble Computation Book and Quantities	LS	1	10		10	For Final Plans only				
9.8	Cost Estimate	LS	2	5		10	1 for 30% and 1 for 100% plans				
9.9	Technical Special Provisions	LS	0	0		0	None Anticipated				
Structures - Summary and Miscellaneous Tasks and Drawings Subtotal					5	39					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Lyons Road over LWDD L-38 Canal	461	89	0	0	372	0	0	0		
17	Retaining Walls	0								0	
18	Miscellaneous Structures	0									0
Structures Technical Subtotals		461	89	0	0	372	0	0	0	0	0
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					

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Project Activity 9: Structures - Summary and Miscellaneous Tasks and Drawings

9.10	Field Reviews	LS	1	10	10	1 Field Reviews for two persons @ 5 hours each review
9.11	Technical Meetings	LS	1	40	40	Meetings are listed below
9.12	Quality Assurance/Quality Control	LS	%	0%	0	
9.13	Independent Peer Review	LS	%	0%	0	
9.14	Supervision	LS	%	0%	0	
Structures Nontechnical Subtotal					✓ 50	
9.15	Coordination	LS	%	0%	0	
9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total					✓ 89	

Technical Meetings

BDR Coordination/Review	EA	1	4	4
90/100% Comment Review	EA	1	4	4
Aesthetics Coordination	EA	0	0	0
Regulatory Agency	EA	0	0	0
Local Governments (cities, counties)	EA	2	4	8
Utility Companies	EA	1	4	4
Other Meetings	EA	1	4	4

Subtotal Technical Meetings ✓ 24

Progress Meetings	EA	2	4	8
Phase Review Meetings	EA	2	4	8

Total Meetings ✓ 40

Carries to 9.11

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3.

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Project Activity 10: Structures - Bridge Selection Memo

Estimator:

Bridge Identifier: Lyons Road over LWDD L-38 Canal

Lyons Road for HSQ

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Requirement							
10.1	Bridge Geometry	LS	1	8		8	Straight Bridge Single Span No Skew Widening
10.2	Ship Impact Data Collection	LS	1	0		0	N/A
10.3	Ship Impact Criteria	EA	0	0		0	N/A
Superstructure Alternatives							
10.4	Short Span Concrete Bridge	EA ALT	0	0		0	N/A
10.5	Medium Span Concrete Bridge	EA ALT	1	9		9	Florida-I Beams, Simple Span
10.6	Long Span Concrete Bridge	EA ALT	0	0		0	N/A
10.7	Structural Steel Bridge	EA ALT	0	0		0	N/A
Foundation & Substructure Alternatives							
10.8	Pier/Bent	EA Type	1	5		5	End Bents only
10.9	Shallow Foundations	EA Type	0	0		0	N/A
10.10	Deep Foundations	EA Foundation Type	2	5		10	Driven Piles, Drilled Shafts
Movable Span							
10.11	Data Collection and Design Criteria	LS	1	0		0	N/A
10.12	Movable Span Geometrics and Clearances	LS	1	0		0	N/A
10.13	Deck System Evaluation	LS	1	0		0	N/A
10.14	Framing Plan Development	LS	1	0		0	N/A
10.15	Main Girder Preliminary Design	LS	1	0		0	N/A
10.16	Conceptual Span Balance/Counterweight	LS	1	0		0	N/A

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Project Activity 10: Structures - Bridge Selection Memo

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments	
10.17	Support System Development	LS	1	0		0	N/A	
10.18	Drive Power Calculations	LS	1	0		0	N/A	
10.19	Drive System Development	LS	1	0		0	N/A	
10.20	Power and Control Development	LS	1	0		0	N/A	
10.21	Conceptual Pier Design	LS	1	0		0	N/A	
10.22	Foundation Analysis (FL PIER)	LS	1	0		0	N/A	
10.23	Tender Visibility Study	LS	1	0		0	N/A	
	Other BDR Issues							
10.24	Aesthetics	LS	1	0		0	Low Level Canal Bridge	
10.25	TCP/Staged Construction Requirements	LS	1	5		5	Stage Construction to Existing Bridge	
10.26	Constructibility Requirements	LS	1	5		5	Attachments to existing, water main, oh power	
10.27	Abutment Slope/Wall Evaluation	LS	1	5		5	Each Abutment similar	
10.28	Quantity and Cost Estimates	EA ALT	1	8		8	Single Alternative Only	
10.29	Quantity and Cost Estimates - Movable Span	LS	1	0		0	N/A	
10.30	Wall Type Justification	LS	1	0		0	N/A	
	Report Preparation							
10.31	Exhibits	EA SHT	2	9		18	1 Plan & Elevation and 1 Typical Section	
10.32	Exhibits - Movable Span	EA SHT	0	0		0	N/A	
10.33	Report Preparation	LS	1	14		14	Abbreviated BDR, Type Selection Only.	
10.34	Report Preparation - Movable Span	LS	1	0		0	N/A	
10.35	BDR Submittal Package	LS	1	2		2		
	Bridge Selection Memo Subtotal					✓	89	

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Project Activity 10: Structures - Bridge Selection Memo

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Add the following hours if 30% plans are the final deliverable.							
10.36	General Notes Sheets	Sheet	0	0	0	0	N/A see Task 13
10.37	Plan and Elevation Sheets	Sheet	0	0	0	0	N/A see Task 13
10.38	Construction Staging	Sheet	0	0	0	0	N/A see Task 13
10.39	Superstructure Section Sheets	Sheet	0	0	0	0	N/A see Task 13
10.40	Substructure Sections Sheets	Sheet	0	0	0	0	N/A see Task 13
10.41	Movable Span - General Notes Sheets	Sheet	0	0	0	0	N/A
10.42	Movable Span - Plan and Elevation Sheets	Sheet	0	0	0	0	N/A
10.43	Movable Span - Clearance Diagram	Sheet	0	0	0	0	N/A
10.44	Movable Span - Bascule Pier Layouts	Sheet	0	0	0	0	N/A
10.45	Movable Span - Bascule Leaf Section	Sheet	0	0	0	0	N/A
10.46	Movable Span - Bascule Leaf Framing Plan	Sheet	0	0	0	0	N/A
10.47	Movable Span - Machinery Layouts	Sheet	0	0	0	0	N/A
10.48	Movable Span - Control Logic Diagram	Sheet	0	0	0	0	N/A
30% Plans Subtotal					0	0	
10. Structures - Bridge Selection Memo Total					0	89	

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Project Activity 13: Structures - Medium Span Concrete Bridge

Estimator:

Bridge Identifier: Lyons Road over LWDD L-38 Canal

Lyons Road for HSQ

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Layout Design and Plans							
13.1	Overall Bridge Final Geometry	LS	1	9		9	Straight Bridge Widening, Simple Span
13.2	Expansion/Contraction Analysis	EA Unit	1	2		2	Simple Span 1 expansion joint analysis
13.3	General Plan and Elevation	Sheet	1	18	1	18	1 Sheet for P&E
13.4	Construction Staging	Sheet	1	5	1	5	1 Sheet for Typical Sections only
13.5	Approach Slab Plan and Details	Sheet	2	6	2	12	Match existing approach slabs 1 sheet for each slab
13.6	Miscellaneous Details	Sheet	2	12	2	24	Assume up to two sheets for misc. details
End Bent Design and Plans							
13.7	End Bent Geometry	EA End Bent	2	5		10	two end bent widening from existing
13.8	Wingwall Design and Geometry	EA End Bent	2	5		10	one wingwall at each end bent
13.9	End Bent Structural Design	EA Design	1	18		18	1 design, both end bents similar
13.10	End Bent Plan and Elevation	Sheet	2	18	2	36	1 Layout for each end bent
13.11	End Bent Details	Sheet	2	14	2	28	two sheets of end bent and wingwall details
Intermediate Bent Design and Plans							
13.12	Bent Geometry	EA Bent	0	0		0	N/A simple span
13.13	Bent Stability Analysis	EA Design	0	0		0	N/A simple span
13.14	Bent Structural Design	EA Design	0	0		0	N/A simple span
13.15	Bent Plan and Elevation	Sheet	0	0	0	0	N/A simple span
13.16	Bent Details	Sheet	0	0	0	0	N/A simple span

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Project Activity 13: Structures - Medium Span Concrete Bridge

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Pier Design and Plans							
13.17	Pier Geometry	EA Pier	0	0		0	N/A simple span
13.18	Pier Stability Analysis	EA Design	0	0		0	N/A simple span
13.19	Pier Structural Design	EA Design	0	0		0	N/A simple span
13.20	Pier Plan and Elevation	Sheet	0	0	0	0	N/A simple span
13.21	Pier Details	Sheet	0	0	0	0	N/A simple span
Miscellaneous Substructure Design and Plans							
13.22	Foundation Layout	Sheet	1	18	1	18	1 Layout Sheet with Pile Data Table
Superstructure Deck Design and Plans							
13.23	Finish Grade Elevation (FGE) Calculation	LS	1	9		9	Single Span Straight Bridge, tie into existing bridge deck
13.24	Finish Grade Elevations	Sheet	1	9	1	9	1 sheet for FGE's
13.25	Bridge Deck Design	EA Section	1	5		5	1 design for simple span bridge, tie to existing bridge
13.26	Bridge Deck Reinforcing and Concrete Quantities	EA Unit	1	5		5	
13.27	Diaphragm Design/Jacking Loads	EA Section	0	0		0	N/A for FIB beams
13.28	Superstructure Plan	Sheet	1	18	1	18	1 sheet for Superstructure, Single Span
13.29	Superstructure Section	Sheet	1	9	1	9	Finalize from Initial add reinforcing details
13.30	Miscellaneous Superstructure Details	Sheet	2	18	2	36	Camber, Bearing Pads, Closure Pour, etc.
Reinforcing Bar Lists						1 Plan & Elevation and 1 Typical Section	
13.31	Preparation of Reinforcing Bar List	Sheet	2	5	2	10	Quantity take off for super and sub and created sheets.

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Project Activity 13: Structures - Medium Span Concrete Bridge

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Continuous Concrete Girder Design							
13.32	Section Properties	LS	1	0		0	N/A
13.33	Material Properties	LS	1	0		0	N/A
13.34	Construction Sequence	EA Unit	0	0		0	N/A
13.35	Tendon Layouts	EA Unit	0	0		0	N/A
13.36	Live Load Analysis	EA Unit	0	0		0	N/A
13.37	Temperature Gradient	EA Unit	0	0		0	N/A
13.38	Time Dependent Analysis	EA Unit	0	0		0	N/A
13.39	Stress Summary	EA Unit	0	0		0	N/A
13.40	Ultimate Moments	EA Unit	0	0		0	N/A
13.41	Ultimate Shear	EA Unit	0	0		0	N/A
13.42	Construction Loading	EA Unit	0	0		0	N/A
13.43	Framing Plan	Sheet	0	0	0	0	N/A
13.44	Girder Elevation, including Grouting Plan and Vent Locations	Sheet	0	0	0	0	N/A
13.45	Girder Details	Sheet	0	0	0	0	N/A
13.46	Erection Sequence	Sheet	0	0	0	0	N/A
13.47	Splice Details	Sheet	0	0	0	0	N/A
13.48	Girder Deflections and Camber	Sheet	0	0	0	0	N/A
Simple Span Concrete Design							
13.49	Prestressed Beam	EA Design	2	9		18	For exterior and interior designs
13.50	Prestressed Beam Schedules	Sheet	1	9	1	9	1 sheet for table data and details
13.51	Framing Plan	Sheet	1	18	1	18	1 sheet for layout of beams, widening from existing

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Project Activity 13: Structures - Medium Span Concrete Bridge

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Load Rating						
13.52	Load Ratings	Per Beam	2	18		36	1 Load Rating for Existing Bridge, 1 Load Rating for Widening
13. Structures - Medium Span Concrete Bridge Total					20	372	

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ESTIMATE OF WORK EFFORT AND COST - SUB CONSULTANT

Name of Project: Optional Services for Lyons Road for HSQ
 County: PB
 Project No.:
 FAP No.:

Consultant Name: Kimley-Horn and Associates, Inc.
 Consultant No.: TBD
 Date: 4/17/2014
 Estimator: Marwan Mufleh, P.E.

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Project Manager	Chief Engineer	Senior Project Engineer	Project Engineer	Engineering Intern	Designer	Sr CAD						SH By Activity	Salary Cost By Activity	Burdened Cost Per Task
		\$52.90	\$0.00	\$47.92	\$41.50	\$28.45	\$33.50	\$26.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
6. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
8. Environmental Permits, Compliance & Clearances	160	8	0	83	51	0	18	0	0	0	0	0	0	160	\$7,120.06	#REF!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
13. Structures - Mast Arm	28	0	0	20	8	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
Total Staff Hours	188	8	0	103	59	0	18	0	0	0	0	0	0	28	\$1,290.40	#REF!
Total Staff Cost	\$423.20	\$0.00	\$0.00	\$4,935.76	\$2,448.50	\$0.00	\$603.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	188	\$8,410.46	#REF!

Check = \$8,410.46
 SALARY RELATED COSTS: \$8,410.46
 OVERHEAD - CAPPED: 167.857% \$14,117.55
 OPERATING MARGIN: 12.00% \$2,703.36
 FCCM (Facilities Capital Cost Money): 0.000% \$0.00
 EXPENSES: \$0.00
 SUBTOTAL ESTIMATED FEE: (Lump Sum) \$25,231.37

8. Environmental Permits, Compliance & Clearances \$21,360.17
 13. Structures - Mast Arm \$3,871.20
 Total \$25,231.37

GRAND TOTAL OPTIONAL SERVICES ESTIMATED FEE: \$25,231.37

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Project Activity 8: Environmental Permits, Compliance and Clearances

Estimator: Marwan Mufteh, P.E.
Updated 080818

Optional Services for Lyons Road for HSQ

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.1	Dewatering Plan	LS	1	80	80	Evaluate ground water contamination data, impact analysis, Radius of influence calculations, Effluent management and disposal. (No offsite discharge)
8.2	Dewatering Permitting	LS	1	80	80	Apply for Master Dewatering Permit (SFWMD), attend mtg with SFWMD. Apply for NPDES Notice of Intent,
8. Environmental Permits, Compliance and Clearances Total					160	

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Project Activity 13: Structures - Mast Arms

Estimator:

Optional Services for Lyons Road for HSQ

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Layout Design and Plans							
13.1	Optional - Structural Design	LS	1	28		28	
			0	0		0	
			0	0	0	0	
13. Structures - Medium Span Concrete Bridge Total					0	28	

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ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Lyons Road/Atlantic Ave Signal
 County: Palm Beach County
 FPN: 123456-1-52-01
 FAP No.: 54321

Consultant Name: HSQ/Miller Legg
 Consultant No.: Miller Legg
 Date: 4/22/2014
 Estimator: MG

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Senior Engineer	Engineer 3	Sr. Tech Specialist	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$65.00	\$56.67	\$96.00	\$0.00	\$0.00	\$0.00	\$3.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6. Drainage Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	79	4	37	38	0	0	0	0	79	\$3,686.79	\$46.67
22. Signalization Plans	32	2	15	15	0	0	0	0	32	\$1,505.05	\$47.03
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Geotechnical	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	111	6	52	53	0	0	0	0	111		
Total Staff Cost		\$390.00	\$2,946.84	\$1,855.00	\$0.00	\$0.00	\$0.00	\$0.00		\$5,191.84	\$46.77

Check = \$5,191.84

SALARY RELATED COSTS:		
OVERHEAD:	138%	\$5,191.84
OPERATING MARGIN:	12%	\$7,164.74
FCCM (Facilities Capital Cost Money):	0.00%	\$623.02
EXPENSES:	0.00%	\$0.00
SUBTOTAL ESTIMATED FEE:		\$12,979.60
Survey (Field)	0 4-man crew days @ 5 / day	\$0.00
Geotechnical Field and Lab Testing		\$0.00
SUBTOTAL ESTIMATED FEE:		\$12,979.60
Optional Services		\$0.00
GRAND TOTAL ESTIMATED FEE:		\$12,979.60

Notes:
 1. This sheet to be used by Subconsultant to calculate its fee.

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Project Activity 21: Signalization Analysis

Estimator:

Lyons Road/Atlantic Ave Signal
123456-1-52-01

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	
21.2	Traffic Data Analysis	PI	0	0	0	
21.3	Signal Warrant Study	LS	1	0	0	
21.4	System Timings	LS	1	0	0	
21.5	Reference and Master Signalization Design File	PI	1	25	25	set up for 1 signal
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	
21.7	Overhead Street Name Sign Design	EA	2	3.2	6	
21.8	Pole Elevation Analysis	LS	1	6	6	
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities	LS	1	6	6	
21.11	Cost Estimate	LS	1	2.5	3	Estimates: 96% + 1 Revision
21.12	Permits	LS	1	10	10	Permit w/Lake Worth Drainage District & FDOT
21.13	Other Signalization Analysis (Post Design)	LS	1	13	13	
Signalization Analysis Technical Subtotal					69	
21.14	Field Reviews	LS	1	5	5	1 field reviews x 1 persons x 5 hrs/person = 5 hours
21.15	Technical Meetings	LS	1	5	5	1 Meeting at 5 hours
21.16	Quality Assurance/Quality Control	LS	%	0%	0	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	0%	0	
Signalization Analysis Nontechnical Subtotal					10	

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Project Activity 21: Signalization Analysis

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.19	Coordination	LS	%	0%	0	Coord w/County, FDOT and LWDD
21. Signalization Analysis Total					79	

Technical Meetings

FDOT Traffic Operations	EA	1	5	5
FDOT Traffic Design	EA	0	0	0
Power Company (service point coordination)	EA	1	0	0
Maintaining Agency (cities, counties)	EA	0	0	0
Railroads	EA	0	0	0
Other Meetings	EA	0	0	0

Subtotal Technical Meetings ✓ 5

Progress Meetings	EA	0	0	0
Phase Review Meetings	EA	0	0	0

Total Meetings ✓ 5

Carries to 21.15

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

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Project Activity 22: Signalization Plans

Estimator:

Lyons Road/Atlantic Ave Signal
123456-1-52-01

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	2	1	2	
22.2	Summary of Pay Items Including CES Input		Sheet	0	0	0	0	
22.3	Tabulation of Quantities		Sheet	1	6	1	6	
22.4	General Notes/Pay Item Notes		Sheet	1	3	1	3	
22.5	Plan Sheet		Sheet	1	8	1	8	
22.6	Interconnect Plans		Sheet	0	0	0	0	
22.7	Traffic Monitoring Site		EA	0	0		0	
22.8	Guide Sign Worksheet		EA	1	5		5	
22.9	Special Details		Sheet	1	0	0	0	
22.10	Special Service Point Details		EA	0	0		0	
22.11	Mast Arm/Monotube Tabulation Sheet		PI	1	8		8	
22.12	Strain Pole Schedule		PI	0	0		0	
22.13	TCP Signal (Temporary)		EA	0	0		0	
22.14	Temporary Detection Sheet		PI	0	0		0	
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	
22.16	Interim Standards		LS	1	0		0	
Signalization Plans Technical Subtotal						4	32	
22.17	Quality Assurance/Quality Control		LS	%	0%		0	
22.18	Supervision		LS	%	0%		0	
22. Signalization Plans Total						4	32	

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ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: **Lyons Road/Clint Moore Signal**
 County: **Palm Beach County**
 FPN: **123456-1-52-01**
 FAP No.: **54321**

Consultant Name: **HSQ/Miller Legg**
 Consultant No.: **Miller Legg**
 Date: **4/17/2014**
 Estimator: **MG**

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Senior Engineer	Engineer 3	Sr. Tech Specialist	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$65.00	\$56.67	\$25.00	\$0.00	\$0.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6. Drainage Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	67	4	41	42	0	0	0	0	67	\$4,053.47	\$46.59
22. Signalization Plans	37	2	17	18	0	0	0	0	37	\$1,723.39	\$46.58
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Geotechnical	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	124	6	58	60	0	0	0	0	124		
Total Staff Cost		\$390.00	\$3,286.86	\$2,100.00	\$0.00	\$0.00	\$0.00	\$0.00		\$5,776.86	\$46.59

Notes:
 1. This sheet to be used by Subconsultant to calculate its fee.

SALARY RELATED COSTS: **\$5,776.86**
 OVERHEAD: 138% **\$7,972.07**
 OPERATING MARGIN: 12% **\$693.22**
 FCCM (Facilities Capital Cost Money): 0.00% **\$0.00**
 EXPENSES: 0.00% **\$0.00**
SUBTOTAL ESTIMATED FEE: \$14,442.15
 Survey (Field) 0 4-man crew days @ \$ / day **\$0.00**
 Geotechnical Field and Lab Testing **\$0.00**
SUBTOTAL ESTIMATED FEE: \$14,442.15
 Optional Services **\$0.00**
GRAND TOTAL ESTIMATED FEE: \$14,442.15

Exhibit "B" - Page 34 of 45

Project Activity 21: Signalization Analysis

Estimator:

Lyons Road/Clint Moore Signal
123456-1-52-01

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	
21.2	Traffic Data Analysis	PI	0	0	0	
21.3	Signal Warrant Study	LS	1	0	0	
21.4	System Timings	LS	1	0	0	
21.5	Reference and Master Signalization Design File	PI	1	25	25	set up for 1 signal
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	
21.7	Overhead Street Name Sign Design	EA	2	3.2	6	
21.8	Pole Elevation Analysis	LS	1	6	6	
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities	LS	1	6	6	
21.11	Cost Estimate	LS	1	2.5	3	Estimates: 96% + 1 Revision
21.12	Permits	LS	1	10	10	Permit w/Lake Worth Drainage District & FDOT
21.13	Other Signalization Analysis (Post Design)	LS	1	16	16	
Signalization Analysis Technical Subtotal					72	
21.14	Field Reviews	LS	1	5	5	1 field review x 1 person x 5 hrs/person = 5 hours
21.15	Technical Meetings	LS	1	10	10	2 Meetings at 5 hours each
21.16	Quality Assurance/Quality Control	LS	%	0%	0	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	0%	0	
Signalization Analysis Nontechnical Subtotal					15	

Exhibit "B" - Page 35 of 45

Project Activity 21: Signalization Analysis

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.19	Coordination	LS	%	0%	0	
21. Signalization Analysis Total					87	

Technical Meetings

FDOT Traffic Operations	EA	1	5	5
FDOT Traffic Design	EA	0	0	0
Power Company (service point coordination)	EA	1	0	0
Maintaining Agency (cities, counties)	EA	0	0	0
Railroads	EA	0	0	0
Other Meetings	EA	0	0	0

Subtotal Technical Meetings ✓ 5

Progress Meetings	EA	0	0	0
Phase Review Meetings	EA	1	5	5

Total Meetings ✓ 10

Carries to 21.15

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

Exhibit "B" - Page 36 of 45

Project Activity 22: Signalization Plans

Estimator:

Lyons Road/Clint Moore Signal
123456-1-52-01

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	2	1	2	
22.2	Summary of Pay Items Including CES Input		Sheet	0	0	0	0	
22.3	Tabulation of Quantities		Sheet	1	6	1	6	
22.4	General Notes/Pay Item Notes		Sheet	1	3	1	3	
22.5	Plan Sheet		Sheet	1	10	1	10	
22.6	Interconnect Plans		Sheet	0	0	0	0	
22.7	Traffic Monitoring Site		EA	0	0		0	
22.8	Guide Sign Worksheet		EA	1	4		4	
22.9	Special Details		Sheet	1	4	1	4	
22.10	Special Service Point Details		EA	0	0		0	
22.11	Mast Arm/Monotube Tabulation Sheet		PI	1	8		8	
22.12	Strain Pole Schedule		PI	0	0		0	
22.13	TCP Signal (Temporary)		EA	0	0		0	
22.14	Temporary Detection Sheet		PI	0	0		0	
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	
22.16	Interim Standards		LS	1	0		0	
Signalization Plans Technical Subtotal						5	37	
22.17	Quality Assurance/Quality Control		LS	%	0%		0	
22.18	Supervision		LS	%	0%		0	
22. Signalization Plans Total						5	37	

Exhibit "B" - Page 37 of 45

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Lyons Road/Mizner Country Club Signal
 County: Palm Beach County
 FPN: 123456-1-52-01
 FAP No.: 54321

Consultant Name: HSO/Miller Legg
 Consultant No.: Miller Legg
 Date: 4/17/2014
 Estimator: MG

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Senior Engineer	Engineer 3	Sr. Tech Specialist	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$25.00	\$56.67	\$25.00	\$0.00	\$3.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6. Drainage Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	87	4	41	42	0	0	0	0	87	\$4,053.47	\$46.59
22. Signalization Plans	37	2	17	18	0	0	0	0	37	\$1,723.39	\$46.58
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Geotechnical	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	124	8	58	60	0	0	0	0	124		
Total Staff Cost		\$390.00	\$3,296.66	\$2,100.00	\$0.00	\$0.00	\$0.00	\$0.00		\$5,776.66	\$46.59

Notes:
 1. This sheet to be used by Subconsultant to calculate its fee.

SALARY RELATED COSTS:		
OVERHEAD:	138%	\$7,972.07
OPERATING MARGIN:	12%	\$693.22
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
SUBTOTAL ESTIMATED FEE:		\$14,442.15
Survey (Field)	0 4-man crew days @ \$ / day	\$0.00
Geotechnical Field and Lab Testing		\$0.00
SUBTOTAL ESTIMATED FEE:		\$14,442.15
Optional Services		\$0.00
GRAND TOTAL ESTIMATED FEE:		\$14,442.15

a.s. muller

Exhibit "B" - Page 38 of 45

Project Activity 21: Signalization Analysis

Estimator:

Lyons Road/Mizner Country Club Signal
123456-1-52-01

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	
21.2	Traffic Data Analysis	PI	0	0	0	
21.3	Signal Warrant Study	LS	1	0	0	
21.4	System Timings	LS	1	0	0	
21.5	Reference and Master Signalization Design File	PI	1	25	25	set up for 1 signal
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	
21.7	Overhead Street Name Sign Design	EA	2	3.2	6	
21.8	Pole Elevation Analysis	LS	1	6	6	
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities	LS	1	6	6	
21.11	Cost Estimate	LS	1	2.5	3	Estimates: 96% + 1 Revision
21.12	Permits	LS	1	10	10	Permit w/Lake Worth Drainage District & FDOT
21.13	Other Signalization Analysis (Post Design)	LS	1	16	16	
Signalization Analysis Technical Subtotal					72	
21.14	Field Reviews	LS	1	5	5	1 field review x 1 person x 5 hrs/person = 5 hours
21.15	Technical Meetings	LS	1	10	10	2 Meetings at 5 hours each
21.16	Quality Assurance/Quality Control	LS	%	0%	0	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	0%	0	
Signalization Analysis Nontechnical Subtotal					15	

Exhibit "B" - Page 39 of 45

Project Activity 21: Signalization Analysis

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.19	Coordination	LS	%	0%	0	
21. Signalization Analysis Total					87	

Technical Meetings

FDOT Traffic Operations	EA	1	5	5
FDOT Traffic Design	EA	0	0	0
Power Company (service point coordination)	EA	0	0	0
Maintaining Agency (cities, counties)	EA	0	0	0
Railroads	EA	0	0	0
Other Meetings	EA	0	0	0

Subtotal Technical Meetings ✓ **5**

Progress Meetings	EA	0	0	0
Phase Review Meetings	EA	1	5	5

Total Meetings ✓ **10**

Carries to 21.15

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

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Project Activity 22: Signalization Plans

Estimator:

Lyons Road/Mizner Country Club Signal
123456-1-52-01

Task No.	Task	Scale	Units	No of Units	Hours/Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	2	1	2	
22.2	Summary of Pay Items Including CES Input		Sheet	0	0	0	0	
22.3	Tabulation of Quantities		Sheet	1	6	1	6	
22.4	General Notes/Pay Item Notes		Sheet	1	3	1	3	
22.5	Plan Sheet		Sheet	1	10	1	10	
22.6	Interconnect Plans		Sheet	0	0	0	0	
22.7	Traffic Monitoring Site		EA	0	0		0	
22.8	Guide Sign Worksheet		EA	1	4		4	
22.9	Special Details		Sheet	1	4	1	4	
22.10	Special Service Point Details		EA	0	0		0	
22.11	Mast Arm/Monotube Tabulation Sheet		PI	1	8		8	
22.12	Strain Pole Schedule		PI	0	0		0	
22.13	TCP Signal (Temporary)		EA	0	0		0	
22.14	Temporary Detection Sheet		PI	0	0		0	
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	
22.16	Interim Standards		LS	1	0		0	
Signalization Plans Technical Subtotal						5	37	
22.17	Quality Assurance/Quality Control		LS	%	0%		0	
22.18	Supervision		LS	%	0%		0	
22. Signalization Plans Total						5	37	

Exhibit "B" - Page 41 of 45



SCOPE/FEE PROPOSAL
GEOTECHNICAL ENGINEERING SERVICES
 Lyons Road from Clint Moore Road to Atlantic Avenue
 Palm Beach County, Florida
 County Project Number: 2013527
 RADISE PROJECT NO. P13/RB/GEOT/0806

	Qty	Unit	Unit Price	Total
1.0 FIELD EXPLORATION				
1.1 Mobilize of Equipment per week - Drill Rig (Truck)	3	week	\$ 350.00	\$ 1,050.00
1.2 MOT for project				
1.2.1 Cones, Sign, Flags	6	Day	\$ 250.00	\$ 1,500.00
1.3 Stake borings and Utility Clearance (Sr. Eng. Technician)	21	Hour	\$ 65.00	\$ 1,365.00
1.4 Coordinate and Develop MOT Plans (Project Engineer)	12	Hour	\$ 105.00	\$ 1,260.00

1.5 Roadway Borings (82 Total - 41 in each direction)

Lyons Road From Clint Moore Road to Atlantic Avenue	From	To	Miles	Feet
			3.1	16368

Boring Spacing

10' boring for every 400 feet intervals per lane with a 200 foot stagger

***Lyons Road Northbound - Additional Lane (41 borings)**

Boring Depth (feet)	No. of Borings	Total Boring Footage
10	41	410
Total Boring Depth for		410 feet

***Lyons Road Southbound - Additional Lane (41 borings)**

Boring Depth (feet)	No. of Borings	Total Boring Footage
10	41	410
Total Boring Depth for		410 feet

1.5.1 SPT Boring-0' to 50' (Truck-Mounted) LAND (82 borings total)	820	Foot	\$ 14.50	\$ 11,890.00
1.5.2 Grout Seal Boreholes (3") - 0' to 50'-LAND (82 borings total)	820	Foot	\$ 4.00	\$ 3,280.00

1.6 Bridge Borings

Bridge Number	No. of 100-foot deep SPT Borings	Total Boring Footage
Bridge 1	2	200
Total Borings of 1.6	0	2

1.6.1 SPT Boring-0' to 50' (Truck-Mounted) LAND	100	Foot	\$ 14.50	\$ 1,450.00
1.6.2 Extra Split Spoon Samples, FDOT, 0' - 50'	16	Foot	\$ 48.00	\$ 768.00
1.6.3 Grout Seal Boreholes (3")-0' to 50'-LAND	100	Foot	\$ 4.00	\$ 400.00
1.6.4 Casing Allowance - 0' to 50'	100	Foot	\$ 6.25	\$ 625.00
1.6.5 SPT Boring-50' to 100' (Truck-Mounted) LAND	100	Foot	\$ 15.50	\$ 1,550.00
1.6.6 Extra Split Spoon Samples, FDOT, 50' - 100'	20	Foot	\$ 60.00	\$ 1,200.00
1.6.7 Grout Seal Boreholes (3")-50' to 100'-LAND	100	Foot	\$ 5.00	\$ 500.00
1.6.8 Casing Allowance - 50' to 100'	100	Foot	\$ 7.25	\$ 725.00

Exhibit "A" - Page 42 of 45



SCOPE/FEE PROPOSAL
GEOTECHNICAL ENGINEERING SERVICES
 Lyons Road from Clint Moore Road to Atlantic Avenue
 Palm Beach County, Florida
 County Project Number: 2013527
 RADISE PROJECT NO. P13/RB/GEOT/0806

	Qty	Unit	Unit Price	Total
1.7 Pond borings (2 ponds)				
No. of Ponds	No. of 20-foot deep SPT Borings	Total Boring Footage		
2	6	120		
Total of 1.7	2	6	120	
1.7.1 SPT Boring-0' to 50' (Truck-Mounted) LAND	120	Foot	\$ 14.50	\$ 1,740.00
1.7.2 Extra Split Spoon Samples in accordance w/FDOT Sampling	18	Foot	\$ 48.00	\$ 864.00
1.7.3 Grout Seal Boreholes (3")-0' to 50'-LAND	120	Foot	\$ 4.00	\$ 480.00
1.7.4 Casing Allowance - 0' to 50'	120	Foot	\$ 6.25	\$ 750.00
1.8 Double Ring Infiltrometer Tests (DRITs)				
Swales (One every 3000 feet)	6			
Ponds (One per pond)	2			
Total DRITs of 1.8	8			
1.8.1 DRITs	8	Test	\$ 450.00	\$ 3,600.00
1.9 Exfiltration Tests				
Exfiltration tests (For System 1)	3		\$ 400.00	\$ 1,200.00
1.10 Culvert Borings				
Culvert Number	No. of 25-foot deep SPT Borings	Total Boring Footage		
Culvert 1	2	50		
Total Borings of 1.10	2	50		
1.10.1 SPT Boring-0' to 50' (Truck-Mounted) LAND	50	Foot	\$ 14.50	\$ 725.00
1.10.2 Extra Split Spoon Samples in accordance w/FDOT Sampling	16	Foot	\$ 48.00	\$ 768.00
1.10.3 Grout Seal Boreholes (3")-0' to 50'-LAND	50	Foot	\$ 4.00	\$ 200.00
1.10.4 Casing Allowance - 0' to 50'	50	Foot	\$ 6.25	\$ 312.50
			TOTAL FIELD WORK	\$ 38,202.50



SCOPE/FEE PROPOSAL
GEOTECHNICAL ENGINEERING SERVICES
 Lyons Road from Clint Moore Road to Atlantic Avenue
 Palm Beach County, Florida
 County Project Number: 2013527
 RADISE PROJECT NO. P13/RB/GEOT/0806

	Qty	Unit	Unit Price	Total
2.0 LABORATORY SERVICES (Please Note: The Number of Laboratory Tests is Tailored for this Project)				
2.1 Visual Classification (Project Engineer)	24	Hour	\$ 105.00	\$ 2,520.00
2.2 Natural Moisture Test	75	Each	\$ 15.00	\$ 1,125.00
2.3 Full Grain Size Analysis	30	Each	\$ 75.00	\$ 2,250.00
2.4 Fine Content Determination	15	Each	\$ 45.00	\$ 675.00
2.5 Organic Content Test	15	Each	\$ 45.00	\$ 675.00
2.6 Corrosion Series	4	Each	\$ 175.00	\$ 700.00
2.7 Limerock Bearing Ratio Tests (LBR)	9	Each	\$ 250.00	\$ 2,250.00
2.8 Permability test	0	Each	\$ 275.00	-
2.9 Atterberg Limits	8	Each	\$ 85.00	\$ 680.00
			TOTAL LABORATORY SERVICES	\$ 10,875.00
			TOTAL FIELD & LABORATORY SERVICES	\$ 49,077.50
3.0 PROFESSIONAL SERVICES				
3.1 Project Manager	14	Hour	\$ 175.00	\$ 2,450.00
3.2 Sr. Engineer	40	Hour	\$ 150.00	\$ 6,000.00
3.3 Project Engineer	140	Hour	\$ 105.00	\$ 14,700.00
3.4 Engineer Intern	70	Hour	\$ 85.00	\$ 5,950.00
3.5 CADD Technician	60	Hour	\$ 55.00	\$ 3,300.00
3.6 Sr. Engineering Technician	7	Hour	\$ 65.00	\$ 455.00
			TOTAL PROFESSIONAL SERVICES	\$ 32,855.00
			TOTAL AMOUNT	\$ 81,932.50



SCOPE/FEE PROPOSAL
GEOTECHNICAL ENGINEERING SERVICES
 Lyons Road from Clint Moore Road to Atlantic Avenue
 Palm Beach County, Florida
 County Project Number: 2013527
 RADISE PROJECT NO. P13/RB/GEOT/0806

	Qty	Unit	Unit Price	Total
4.0 OPTIONAL SERVICES FOR ROADWAY				
4.1 Muck Delineation (2 Drillers 32 hours each)	64	Hour	\$ 65.00	\$ 4,160.00
4.2 Field Reviews (Project Engineer)	8	Hour	\$ 105.00	\$ 840.00
4.3 Technical Meetings (Project Engineer)	8	Hour	\$ 105.00	\$ 840.00
4.4 Coordination (Sr. Engineer)	8.5	Hour	\$ 150.00	\$ 1,275.00
4.5 Coring existing asphalt and augering of base and subgrade	20	Each	\$ 95.00	\$ 1,900.00
4.6 Pavement Evaluation (Project Engineer)	40	Hour	\$ 105.00	\$ 4,200.00
4.7 Mobilize Equipment - Drill Rig (Truck)	1	Each	\$ 350.00	\$ 350.00
4.8 Environmental Borings for Arsenic (12 to 20' deep)	12	Each	\$ 450.00	\$ 5,400.00
4.9 Lab testing for Arsenic (36 tests)	36	Each	\$ 100.00	\$ 3,600.00
4.10 Environmental Engineer (Field Supervision/Logging/Samples)*	30	Hour	\$ 125.00	\$ 3,750.00
*Time for Environmental Engineer to screen soil samples during drilling				
TOTAL OPTIONAL SERVICES FOR ROADWAY				\$ 26,315.00
5.0 OPTIONAL SERVICES FOR STRUCTURES				
5.1 Specification Development and Review (Project Engineer)	15	Hour	\$ 105.00	\$ 1,575.00
5.2 Field Reviews (Project Engineer)	16	Hour	\$ 105.00	\$ 1,680.00
5.3 Technical Meetings (Project Engineer)	23	Hour	\$ 105.00	\$ 2,415.00
5.4 Coordination (Sr. Engineer)	14	Hour	\$ 150.00	\$ 2,100.00
5.5 9 SPT Borings for Mast Arms (40' deep) - 2 at Atlantic Avenue, 4 at Clint Moore Road, and 3 at Mizner				
5.6.1 Field Work				
Mobilize Equipment - Drill Rig (Truck)	1	Each	\$ 350.00	\$ 350.00
Cones, Sign, Flags	5	Day	\$ 250.00	\$ 1,250.00
SPT Boring-0' to 50' (Truck-Mounted) LAND	360	Foot	\$ 14.50	\$ 5,220.00
Extra Split Spoon Samples in accordance w/FDOT Sampling	36	Foot	\$ 48.00	\$ 1,728.00
Grout Seal Boreholes (3"-0' to 50'-LAND	360	Foot	\$ 4.00	\$ 1,440.00
Casing Allowance - 0' to 50'	360	Foot	\$ 6.25	\$ 2,250.00
5.6.2 Laboratory Testing Services				
Eng Classification (Engineer Intern)	12	Hour	\$ 85.00	\$ 1,020.00
Natural Moisture Test	27	Each	\$ 15.00	\$ 405.00
Full Grain Size Analysis	18	Each	\$ 75.00	\$ 1,350.00
Fine Content Determination	18	Each	\$ 45.00	\$ 810.00
Organic Content Test	12	Each	\$ 45.00	\$ 540.00
Atterberg Limits	5	Each	\$ 85.00	\$ 425.00
5.6.3 Engineering Services				
Project Manager	5	Hour	\$ 175.00	\$ 875.00
Sr. Engineer	16	Hour	\$ 150.00	\$ 2,400.00
Project Engineer	50	Hour	\$ 105.00	\$ 5,250.00
Engineer Intern	40	Hour	\$ 85.00	\$ 3,400.00
CADD Technician	20	Hour	\$ 55.00	\$ 1,100.00
TOTAL OPTIONAL SERVICES FOR STRUCTURES				\$ 37,583.00
TOTAL OPTIONAL SERVICES				\$ 63,898.00

Palm Beach County
Engineering & Public Works Roadway Production

PARTICIPATION FOR MWBE/SBE CONSULTANTS Exhibit "D" – Page 1 of 2
Contract

Project Name: Lyons Road from Clint Moore Road to Atlantic Avenue	Project Number: 2013527
Prime Vendor: HSQ Group, Inc.	Resolution Number:
Telephone: (561) 392-0221	Resolution Date: 4/8/2014
Contact: Nour Shehadeh, P.E.	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/>						
HSQ Group, Inc. 1489 W PALMETTO PARK RD STE 3 BOCA RATON, FL 33486 (561) 392-0221	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	608,056.75	0.00
<hr/>						
HSQ Group, Inc. 1489 W PALMETTO PARK RD STE 3 BOCA RATON, FL 33486 (561) 392-0221	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	47,864.18	0.00
<hr/>						
HSQ Group, Inc. 1489 W PALMETTO PARK RD STE 3 BOCA RATON, FL 33486 (561) 392-0221	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	37,725.00	0.00
<hr/>						
Radise International, L.C. 4152 W BLUE HERON BLVD STE 22 RIVIERA BEACH, FL 33404 (561) 841-0103	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	81,932.50	0.00
<hr/>						
Radise International, L.C. 4152 W BLUE HERON BLVD STE 22 RIVIERA BEACH, FL 33404 (561) 841-0103	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	63,898.00	0.00
<hr/>						
Total Contract Authorizat \$1,210,618.23	Total MWBE	0.00	0.00	0.00	0.00	
	Percentage	0.00%	0.00%	0.00%	0.00%	
	Total SBE	0.00	0.00	0.00	839,476.43	0.00
	Percentage	0.00%	0.00%	0.00%	69.34%	0.00%



CERTIFICATE OF LIABILITY INSURANCE

HSQGROU-01 MQUINTERO

DATE (MM/DD/YYYY)
3/4/2014

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).

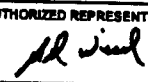
PRODUCER Collinsworth, Alter, Fowler & French, LLC 8000 Governors Square Blvd Suite 301 Miami Lakes, FL 33016	CONTACT NAME:	
	PHONE (A/C No. Ext): (305) 822-7800	FAX (A/C No): (305) 362-2443
INSURED HSQ Group, Inc. 1489 Palmetto Park Road Suite #340 Boca Raton, FL 33486	ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Hartford Casualty	NAIC #
	INSURER B: Tudor Insurance Co	37982
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** **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.

INBR LTR	TYPE OF INSURANCE	ADDITIONAL INSURER	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC	X	21SBAIG1445	10/17/2013	10/17/2014	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/OP AGG \$ 2,000,000
A	<input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		21SBAIG1445	10/17/2013	10/17/2014	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	X	21SBAIG1445	10/17/2013	10/17/2014	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N <input type="checkbox"/> N/A If yes, describe under DESCRIPTION OF OPERATIONS below	N/A				WC STATUTORY LIMITS <input type="checkbox"/> OTHER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
B	Prof Liab Claim Made		AEL1004131	6/3/2013	6/3/2014	Each Claim 1,000,000
B	Retro Date 1/18/2005		AEL1004131	6/3/2013	6/3/2014	Aggregate 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Professional Liability Each Claim Deductible is \$20,000.
 Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees & Agents are named additional insured, if required by written contract, as respects Commercial General Liability, for all projects insured is working on for Palm Beach County.

CERTIFICATE HOLDER Palm Beach County Board of County Commissioners c/o Engineering & Public Works Department 2300 N. Jog Road West Palm Beach, FL 33411	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
03/04/2014

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 PAYCHEX INSURANCE AGENCY, INC. 150 SAWGRASS DRIVE ROCHESTER, NY 14620	CONTACT NAME: Psychex Insurance Agency Inc PHONE (A/C, NO. EXT): 877-266-6850 FAX (A/C, No): 585-389-7426 E-MAIL ADDRESS: Certs@psychex.com														
INSURED Psychex Business Solutions, Inc. HSQ Group Inc 911 PANORAMA TRAIL SOUTH ROCHESTER, NY 14625-0397	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: left;">NAIC #</th> </tr> <tr> <td>INSURER A: ILLINOIS NATIONAL INSURANCE COMPANY</td> <td>23817</td> </tr> <tr> <td>INSURER B:</td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: ILLINOIS NATIONAL INSURANCE COMPANY	23817	INSURER B:		INSURER C:		INSURER D:		INSURER E:		INSURER F:	
INSURER(S) AFFORDING COVERAGE	NAIC #														
INSURER A: ILLINOIS NATIONAL INSURANCE COMPANY	23817														
INSURER B:															
INSURER C:															
INSURER D:															
INSURER E:															
INSURER F:															

COVERAGES **CERTIFICATE NUMBER:** **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.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR INSR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COM/POP AGG \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under: DESCRIPTION OF OPERATIONS:			013255888	06/01/2013	06/01/2014	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000.00 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000.00 E.L. DISEASE - POLICY LIMIT \$ 1,000,000.00

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Worker's Compensation coverage is provided to only those employees leased to, but not subcontractors of the named insured.
 Client Inception Date with PBS is 08/04/2013

CERTIFICATE HOLDER PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS C/O ENGINEERING AND PUBLIC WORKS DEPARTMENT 2300 N. JOG ROAD WEST PALM BEACH, FL 33411-2745	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE <div style="text-align: right; margin-top: 10px;"><i>Margaret M. Reiff</i></div>
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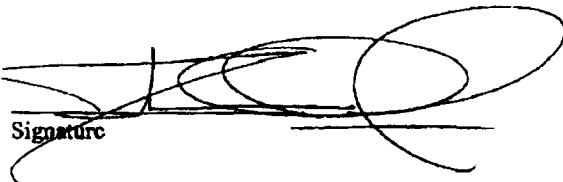
HSQ GROUP, INC.
 Engineers • Planners • Surveyors
 1489 West Palmetto Park Road, Suite 340
 Boca Raton, FL 33486
 (561) 392-0221 Phone • (561) 392-6458

HSQ GROUP INC. AFFIDAVIT

HSQ Group Inc. located at 1489 W. Palmetto Park Road, Suite 340, Boca Raton, FL 33486, owns the following two vehicles:

06 Toyota Tacoma-5TETX22N46Z243428

06 Ford F150-1FTRX14W66NB80474


 Signature

Antonio Quevedo, P.E./President
 Printed Name/Title

STATE OF FLORIDA

COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me this 20 day of JUNE, 2012, by

Antonio Quevedo, PE as President of
 (Name of person whose signature is being authorized) (Title)

HSQ GROUP INC. known to me to be the person described herein, or who produced
 (Name of Corporation/Company)

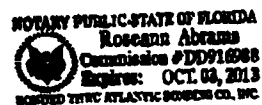
Personally Known to Me as identification, and who did/did not take an oath.
 (Type of Identification)

NOTARY PUBLIC:

 (Signature)

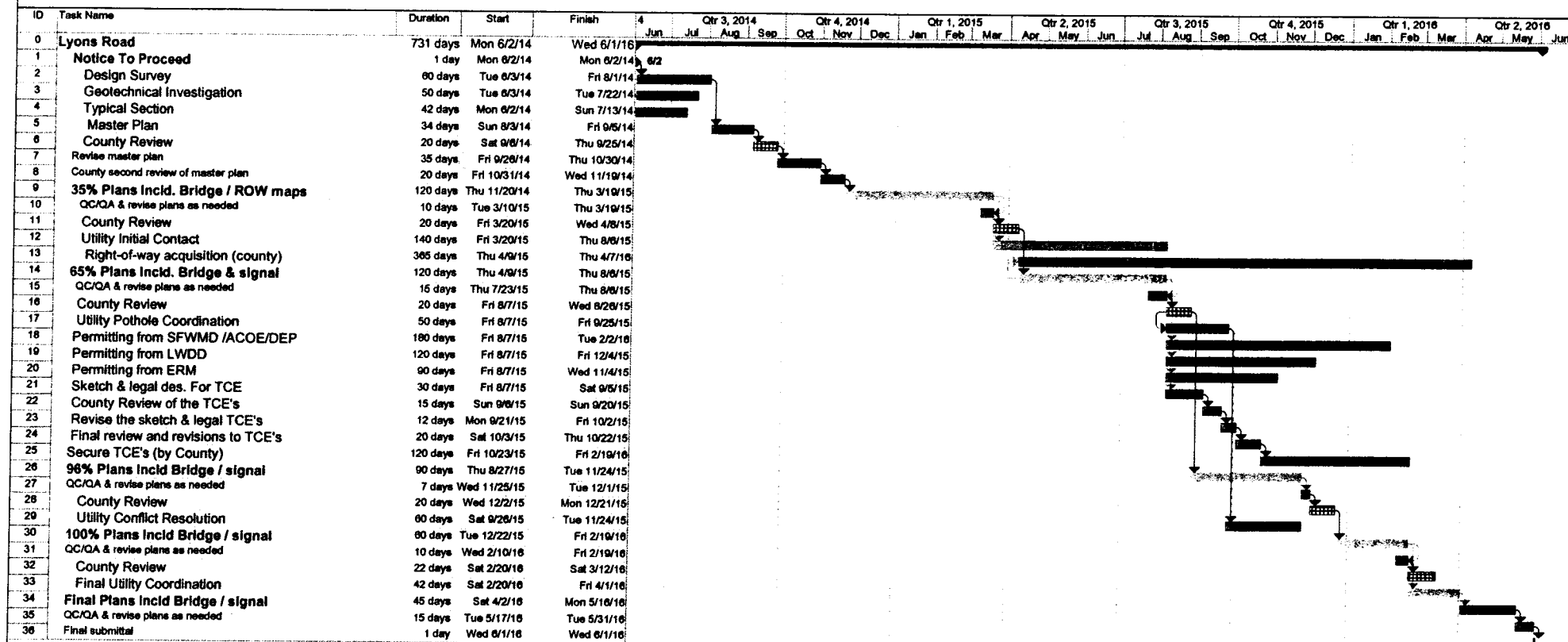
ROSEANN ABRAMS

My commission expires: 10-03-2013

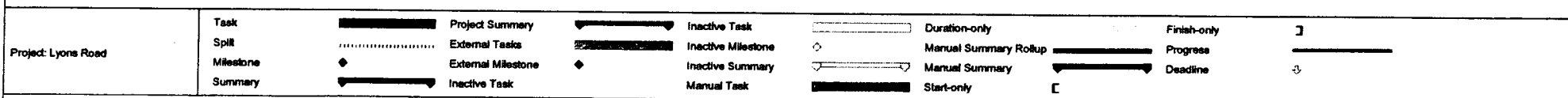


Lyons Road

(Clint Moore Rd to Atlantic Av)



Attachment 3



2014 _____

Page 1 of 1

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY
BUDGET Transfer

BGEX 050614-1375

FUND Road Impact Fee – Zone 5

ACCOUNT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 05/06/14	REMAINING BALANCE
<u>LYONS RD/CLINT MOORE RD-ATLANTIC AVE</u>								
3505-361-1388-6505	Design/Eng/Mgmt-Cip Admin	8,115	1,196,879	500,000	0	1,696,879	18,649	1,678,230
<u>RESERVES</u>								
3505-361-9900-9912	Res-Fair Share Project	40,774,714	37,317,731	<u>0</u>	<u>500,000</u>	36,817,731		
				500,000	500,000			

SIGNATURE

DATE

By Board of County Commissioners
At Meeting of 07/01/14

Engineering & Public Works

Alicia Kovalainen

5/6/14

Administration / Budget Approval

OFMB Department – Posted

Deputy Clerk to the
Board of County Commissioners

Attachment 4