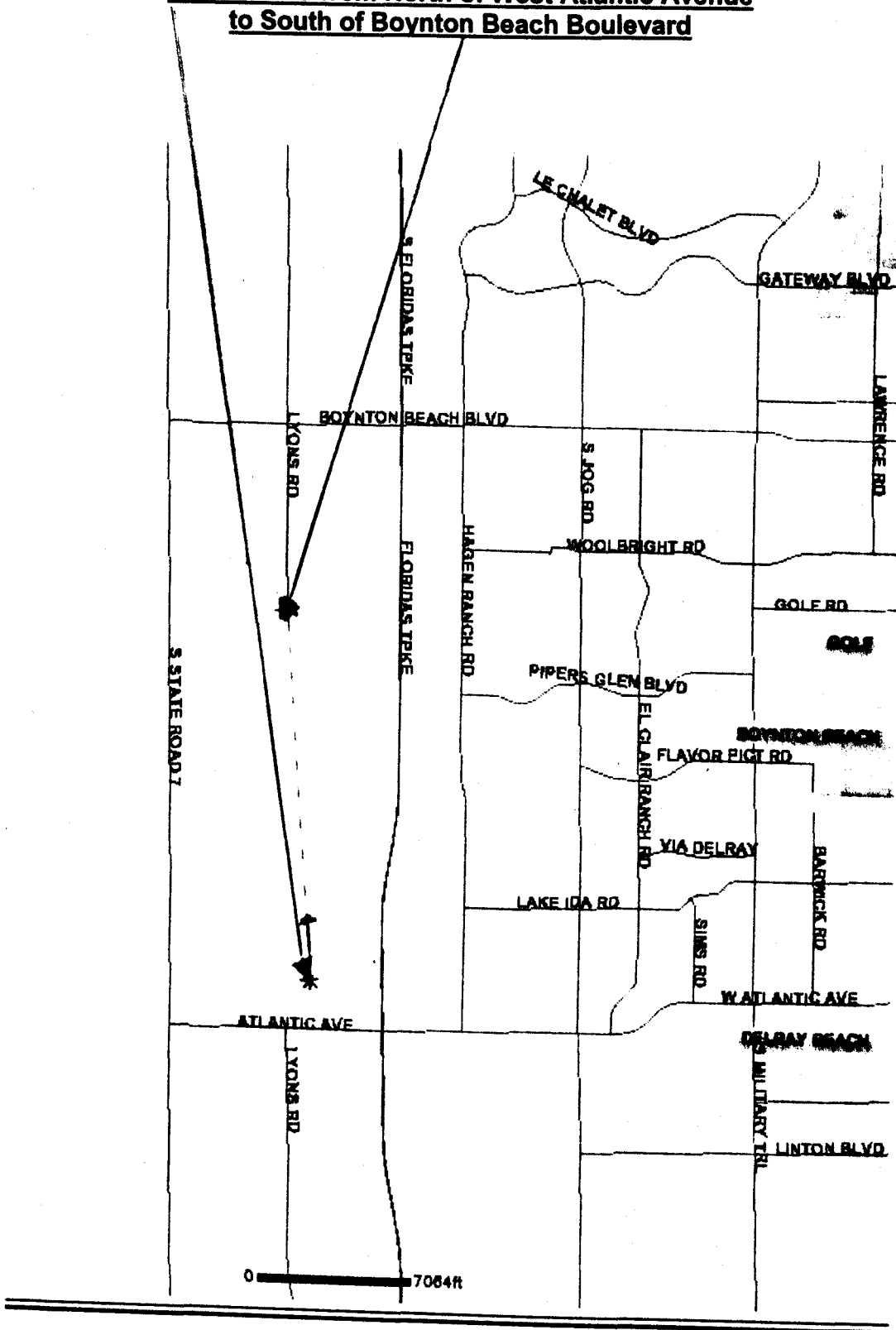


Location Map
Project No. 2005503
Lyons Road from North of West Atlantic Avenue
to South of Boynton Beach Boulevard



2005503

Attachment #2



Department of Engineering
and Public Works
P.O. Box 21229
West Palm Beach, FL 33416-1229
(561) 684-4000
www.pbcgov.com

**Palm Beach County
Board of County
Commissioners**

Burt Aaronson, Chair
Karen T. Marcus, Vice Chair
Jeff Koons
Shelley Vana
Steven L. Abrams
Jess R. Santamaria
Priscilla A. Taylor

County Administrator
Robert Weisman

February 24, 2010

American Consulting Engineers of Florida, LLC
2000 Palm Beach Lakes Boulevard, Suite 1000
West Palm Beach, Florida 33409
Attn: Mr. Christopher N. O'Reilly, P.E., Project Manager

**RE: LYONS ROAD
N. OF WEST ATLANTIC AVENUE TO S. OF BOYNTON BEACH BLVD.
PALM BEACH COUNTY PROJECT NO.: 2005503
SUPPLEMENT NO. 4 TO PROJECT AGREEMENT
DATED JUNE 20, 2006 (R2006-1052)
ACCT. NO.: 3505-361-1153-6505 COMMISSION DISTRICT(S): 5**

Dear Mr. O'Reilly:

This letter serves as your "Notice to Proceed" with the Supplemental Services for the above referenced project, which was approved by the Contract Review Committee (CRC) on February 24, 2010. These services shall be performed in accordance with our original agreement, and the attached Consultant Services Authorization (CSA). Please note that the Agreement requires separate specific authorization from the County prior to proceeding with any Optional Services.

Compensation for these services are approved as follows, and are not to be exceeded without authorization from Palm Beach County: **Basic Services** (Lump Sum) \$84,277.85; Reimbursables (Not to Exceed) \$1,850.00; for total amount of \$86,127.85.

Final completion of services under this authorization shall be performed in accordance with the attached schedule, or as otherwise requested by the County in writing.

If you have any questions please feel free to contact me at 561-684-4149.

Sincerely,



David Young, P.E.
Special Projects Manager

DLY:jd

Attachment

cc: Administrative Services, Fiscal (NTP)
Contract Development & Control
Finance Department
CCNA File (w/original)
Roadway Project File

ec: Omello A. Fernandez, P.E., Director, Roadway Production Division
L. Morton Rose, P.E., Five Year Road Program Manager
David Young, P.E. Special Projects Manager, Roadway Production Division
Holly Knight, P.E., Project Engineer, Roadway Production Division
Jorge Hernandez, TA III, Roadway Production Division
Rose Ann Clements, TA II, Roadway Production Division

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"An Equal Opportunity
Affirmative Action Employer"

**CONSULTANT SERVICES AUTHORIZATION
SUPPLEMENT TO PROJECT AGREEMENT**

PROJECT NAME: Lyons Road from N. of West Atlantic Avenue to S. of Boynton Beach Boulevard

PROJECT NUMBER: 2005503

COMMISSION DISTRICT NO.: 5

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

ACCOUNT NUMBER: 3505-361-1153-8505

SBE: 0.40 % Participation for this Supplement. SBE Participation to date is 16.17.

THIS AUTHORIZATION is Supplement No. 4 to Project Agreement dated June 20, 2006 (R2006-1052) between the COUNTY and the CONSULTANT identified herein is for the Additional Services described in Item 4 of this Authorization.

1. CONSULTANT: American Consulting Engineers of Florida, LLC

2. ADDRESS: 2000 Palm Beach Lakes Boulevard, Suite 1000, West Palm Beach, Florida 33409

3. CONSULTANT shall begin work promptly on the requested Services.

4. Description of Services to be provided by CONSULTANT (attach additional pages, if necessary):
Services required involve furnishing, providing, and performing engineering analysis, design and final plan preparation. Planned improvements to the corridor include revised plans to realign the roadway and reduce the need for right-of-way acquisition. Environmental permits to be modified for same. SFWMD permit fees and sketch & legal description.

5. The compensation to be paid CONSULTANT for providing the requested services shall be:

<input checked="" type="checkbox"/> A. Basic Services (lump sum)...	\$ <u>84,277.85</u>	(Analysis, Design and Final Plan Preparation).
<input checked="" type="checkbox"/> B. Reimbursable expenses not to exceed..	\$ <u>1,850.00</u>	
<input type="checkbox"/> C. Optional Services not to exceed.....	\$ <u>0.00</u>	(SFWMD Permit Fees, Sketch & Legal Description).
<input type="checkbox"/> Supplemental History	\$ <u>86,127.85</u>	
Total	\$ <u>86,127.85</u>	

6. All terms of original agreement shall apply to this addendum.

IN WITNESS WHEREOF, this Addendum is accepted as of the date typed below, subject to the terms and conditions of the aforementioned Agreement.

CONSULTANT: American Consulting Engineers of Florida, LLC

COUNTY: PALM BEACH

SIGNED: Ryan R. Forrestel

SIGNED: Irwin L. Jacobowitz

TYPED NAME: Ryan R. Forrestel

TYPED NAME: Irwin L. Jacobowitz

TITLE: Principal

TITLE: Presiding Chairman, C.R.C.

DATE: February 16, 2010

DATE: February 23, 2010

APPROVED BY THE
CONTRACT REVIEW COMMITTEE

SCOPE OF SERVICES

Scope of Services
Supplemental Agreement No. 4
(Realign Roadway from Sta 132+18 to Sta 163+88 (3170 LF))
Lyons Road from North of West Atlantic Ave to South of Boynton Beach Blvd
Palm Beach County Project No. 2005503
Palm Beach County

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- 1.00 PROJECT OBJECTIVE AND DESCRIPTION
- 2.00 PROJECT DESIGN LIMITS
- 3.00 QUALIFICATIONS DURING TERM OF SERVICES
- 4.00 BASIC SERVICES - SCOPE AND RESPONSIBILITY REQUIREMENTS
 - 4.01 Project Schedule
 - 4.02 Design, Construction Plans and Bidding Documents
 - 4.03 Plans and Design Submittals
 - 4.04 Structural Design
 - 4.05 Drainage Design
 - 4.06 Design Survey
 - 4.07 Subsurface Investigation
 - 4.08 Utility Coordination
 - 4.09 Environmental Services
 - 4.10 Coordination of Design Within Project Limits
 - 4.11 Signing and Pavement Markings
 - 4.12 Construction Cost Estimates
- 5.00 PLANS PREPARATION, ENDORSEMENT AND OWNERSHIP
- 6.00 COST PROPOSAL

*OK to proceed
sub one
2/10/10*

AKL

SCOPE OF SERVICES

Scope of Services
Professional Services Agreement
Lyons Road From North of West Atlantic Ave to South of Boynton Beach Blvd
Palm Beach County

1.00 PROJECT OBJECTIVE AND DESCRIPTION

- 1.01 Services required of the CONSULTANT involve furnishing, providing, and performing engineering analysis, design and final plan preparation. Planned improvements to the corridor will include the following:
- 1.01.1 Prepare revised plans to realign the roadway from Sta 132+18 to Sta 163+88 (3170 LF) to reduce the need for acquiring right of way. Lengthen all box culverts to place sidewalks outside the clear zone as possible given right of way and developmental constraints. Environmental permits will be modified for same.
- 1.02 The CONSULTANT shall begin revising the plans upon receipt of a written Notice to Proceed (NTP) for supplemental services to be provided as more particularly described herein.

2.00 PROJECT DESIGN LIMITS

CONSULTANT shall provide supplemental professional consulting services to the COUNTY, consisting of revising the design and updating permitting applications required for the additional work identified in Section 1.01.1 above.

3.00 QUALIFICATIONS DURING TERM OF SERVICES

The CONSULTANT shall provide all engineering services for the Project, in accordance with and of a quality, meeting the minimum design standards established by Palm Beach County.

4.00 BASIC SERVICES - SCOPE AND RESPONSIBILITY REQUIREMENTS

The CONSULTANT will provide the following customary basic services for the PROJECT;

4.01 Project Schedule:

The CONSULTANT shall update and maintain the bar chart schedule already provided, to include the Project supplemental design services. In updating the bar chart schedule, the scheduling of all design activities impacted by the additional work shall be the responsibility of the CONSULTANT. The schedule shall be submitted to the COUNTY within ten (10) working days of receiving NTP for supplemental services for review.

4.02 Design, Construction Plans and Bidding Documents:

DESIGN ANALYSIS- The CONSULTANT will provide the following services and perform the following tasks:

- 4.02.01 Subject plans shall include design and construction requirements for roadway improvements; sidewalk improvements; drainage; and other incidental design items within the PROJECT limits. Maintenance of traffic plans/sequences of construction plans shall NOT be provided. The above designs and plans shall be prepared in accordance with current standards adopted by the American Association of State

SCOPE OF SERVICES

Highway and Transportation Officials, the Florida Department of Transportation, the Palm Beach County Engineering Department, as listed hereinafter or as will be made known to the CONSULTANT during performance of all services for the Project.

- 4.02.02 Typical Sections- Consultant will add one (1) new typical section for the new alignment from LWDD L-29 to LWDD L-28 canals.
- 4.02.03 Pavement Design – N/A.
- 4.02.04 Horizontal/Vertical Master Design Files – The CONSULTANT will revise the approved alignment for the PROJECT corridor to avoid any right of way acquisitions from Sta. 143+26 to Sta. 156+54 right side. The CONSULTANT will adjust the vertical alignment already developed from Sta. 141+60 to Sta. 163+88 and add shoulder gutter where needed.
- 4.02.05 Cross Section Design - Consultant will revise 63 design cross sections for the Final submittal due to realigning the roadway from Sta 132+18 to Sta 163+88 (3170 LF) and extending the box culvert endwalls at six (6) LWDD Canals.
- 4.02.06 Access Management – N/A
- 4.02.07 Design Report – N/A
- 4.02.08 Computation Book & Quantities - Consultant will revise the final quantities for the project to include the items needed for the new turning lanes.
- 4.02.09 Summary of Pay Items – Consultant will revise the summary of Pay Items and Summary of Quantities sheet for Final Phase submittal to include the items needed for the new roadway alignment.
- 4.02.10 Technical / Special Provisions – N/A.
- 4.02.11 Field Reviews – N/A.
- 4.02.12 Technical Meetings – Two (2) additional meetings two (2) people each.
- 4.02.13 Public Involvement – N/A.
- 4.02.14 Specific design and construction references, aids and standards shall include, but will not necessarily be limited to the materials listed below. These design reference materials shall be the latest edition materials in effect at the time of performance of the Services Agreement for the project. The controlling roadway design standards will be those presented in the Florida Green Book.
 - (a) Manual of Uniform Minimum Standards for Design, Construction, and Maintenance for Streets and Highways, latest edition (Florida Green Book)
 - (b) FDOT Drainage Manual
 - (c) FDOT Basis of Estimates and Computations Manual

SCOPE OF SERVICES

- (d) FDOT Standard Specifications for Road and Bridge Construction
- (e) Manual on Uniform Traffic Control Devices
- (f) Current FDOT Roadway Design Standards Indexes
- (g) Utility Manual (Volume I-Utilities); and, AWWA Standards
- (h) AASHTO Policy on Design of Urban Highways and Arterial Streets
- (i) Soils and Foundations (procedures)
- (j) Palm Beach County Standards
- (k) SFWMD Standards

4.02.15 Tractor Crossings- N/A.

4.03 Plans and Design Submittals:

4.03.1 Review Plans:

All plans submitted to the COUNTY for the purpose of review will be 11" x 17" in size with raster image background. During the design stage the CONSULTANT shall submit the following:

- (a) A minimum of three (3) sets of progress plans for review by the COUNTY at 100% and Final Phase submittals.
- (b) Two (2) sets of plans for each utility company along the corridor at Master Plan and one (1) set for each utility at the Pre-100% submittals.

4.03.2 Design Computation Documents:

All of the following record documents shall be submitted to the COUNTY by CONSULTANT, or Sub-Consultant as applicable, at the time of final acceptance or otherwise as noted elsewhere in this scope of services document, neatly bound in an 8 1/2" x 11" format or as to the satisfaction of the COUNTY. All review comments made on design documents or reports submitted as listed below shall be responded to and incorporated into the documents as applicable and such documents or reports shall be resubmitted to COUNTY at the following design interval submittal date as requested. All plans, specifications, and/or reports prepared or obtained under this Agreement shall be considered works made for hire and shall become the property of the COUNTY and shall be made available, upon request, to the COUNTY at any time. Submittals of design computations shall include, but not necessarily be limited to the following:

- (a) Two (2) copies of Technical Memorandum that should list all design criteria that CONSULTANT will be utilizing during plans development of the Project two weeks after NTP date.
- (b) Two (2) copies, signed and sealed, of survey field notes at the completion of the PROJECT.
- (c) Two (2) copies of design computations that shall include, but not necessarily be limited to, horizontal and vertical alignment design at the completion of the 100% Phase Submittal.
- (d) Project correspondence required to document design decisions reached during development of the plans at each design review interval as applicable.

SCOPE OF SERVICES

4.4 Structural Design: N/A.

4.5 Drainage Design

Drainage Component of Roadway Analysis & Plans

4.05.1 Drainage maps - The CONSULTANT will update drainage maps to include the revised alignment from Sta 132+18 to Sta 163+88 (3170 LF) and lengthening 6 box culverts.

4.05.2 Box Culvert Data Sheets - Update the Box Culvert Data for the following LWDD canals: L-33; L-32; L-31; L-29 & L-28 due to PBC request to move proposed sidewalk locations outside the clear zone.

4.05.3 Canal cross sections - 33 canal cross sections for the LWDD canal's L-33; L-32; L-31; L-29 & L-28 will be updated with the new endwall locations. New revetment and tie back to existing canal locations.

4.05.4 Drainage Detail Sheets - Drainage detail sheets will be updated for LWDD canal crossings and control structures.

4.05.5 Base Clearance and Design Groundwater Elevations - N/A

4.05.6 Outfalls - Seven (7) outfalls will be revised due to box culverts being lengthened.

4.05.7 Stormwater Management System Facilities - The CONSULTANT will update the design of the stormwater management systems for Basins L29S, L28S & L28N for the realigned roadway and revised typical section to meet applicable state, local, and federal requirements for water quality, discharge attenuation, and flooding considerations. The analysis of the Stormwater Management facility will be performed utilizing state of the art drainage design software (ADICPR modeling).

4.05.8 Storm Drains - The CONSULTANT will update the design of the storm drain systems to include the additional work for the realigned corridor utilizing state of the art software (ASAD). Standard criteria for design of roadway drainage systems shall be applied.

4.05.9 Cross Drains - Revise six cross drains due to realigned roadway.

4.05.10 Drainage Report - The CONSULTANT will update the detailed documentation of the drainage design both for permitting purposes and for the project record to include the realigned corridor.

4.05.11 Permits- The CONSULTANT shall update permitting requirements during roadway design tasks with SFWMD, LWDD and USACOE to include the additional work for the realigned corridor. The CONSULTANT shall hold coordination meetings with the COUNTY and SFWMD for this task.

4.05.12 Field Reviews - One drainage field review is required to constrained locations.

4.06 Design Survey: N/A.

SCOPE OF SERVICES

- 4.07 Subsurface Investigation: N/A
- 4.08 Utility Coordination: N/A.
- 4.9 Environmental Services: N/A.
- 4.10 Coordination of Design Within Project Limits:
- 4.010.1 Design services specified herein shall include transitions to match existing sidewalk, curb, pavement and driveways as required.
- 4.010.2 To the extent necessary for CONSULTANT'S performance of services and upon request from CONSULTANT, the COUNTY will provide all available record data, information, plans, right-of-way permits, etc. relating to adjacent land developments (existing and proposed).
- 4.11 Signing and Pavement Markings:
- The Project design services shall include updating the design and plan preparation for customary ground-mounted signing and pavement markings for the PROJECT as described in article 2.00 to accommodate the corridor realignment from Sta 132+18 to Sta 163+88 (3170 LF).
- 4.12 Construction Cost Estimates:
- CONSULTANT will prepare and submit a construction cost estimate for the PROJECT that includes the additional quantities for the realigned corridor for the Final submittal.
- 4.13 Specifications: N/A.

5.00 PLANS PREPARATION, ENDORSEMENT AND OWNERSHIP

- 5.01 All sheets of the construction drawings shall have a title block across the entire bottom or side of the sheet. The standard Project title block and standard sheets shall be furnished by the COUNTY.
- 5.02 All final plans, documents, reports, studies and other data prepared by the CONSULTANT and/or its subconsultants will bear the signature and seal of the CONSULTANT's record engineer or the applicable design engineer who shall be duly registered in the appropriate professional category.

6.00 COST PROPOSAL:

- 6.01 The CONSULTANT's cost proposal herein does include costs for permit application fees to respective environmental agencies. The cost for permitting, paid by CONSULTANT, shall be reimbursable by the COUNTY in full upon submittal of fees justification.

Project Activity 4: Roadway Analysis

Estimator: O'Reilly

Lyons Road From North of West Atlantic Ave to South of Boynton Beach Blvd

2005503

4.1	Typical Section Package	LS	1	0	0	N/A
4.2	Pavement Design Package	LS	1	0	0	N/A
4.3	Access Management	LS	1	0	0	N/A 2 lane undivided roadway
4.4	Horizontal /Vertical Master Design Files	LS	1	50	50	Revise Horizontal Design from Sta 132+18 to Sta 163+88 (3170 LF) complete redesign. Revise alignment to hold east existing R/W. introduce urban section 143+00 to 156+60.
4.5	Cross Section Design Files	LS	1	0	0	All Hours included in item 5.30 per PBC
4.6	Traffic Control Analysis	LS	1	0	0	N/A
4.7	Master TCP Design Files	LS	1	0	0	N/A
4.8	Design Variations and Exceptions	LS	1	0	0	N/A
4.9	Design Report	LS	1	0	0	N/A
4.10	Computation Book & Quantities	LS	1	40	40	Revise all quantities for 3170 LF of Lyons Road.
4.11	Cost Estimate	LS	1	8	8	Revise cost estimate after quantity revisions
4.12	Technical Special Provisions	LS	1	0	0	N/A
Roadway Analysis Technical Subtotal					98	
4.13	Field Reviews	LS	1	0	0	N/A
4.14	Technical Meetings	LS	1	20	20	LWDD, USACOE & PBC.
4.15	Quality Assurance/Quality Control	LS	%	0%	0	
4.16	Independent Peer Review	LS	%	0%	0	
4.17	Supervision	LS	%	0%	0	
Roadway Analysis Nontechnical Subtotal					20	
4.18	Coordination	LS	%	0%	0	

Project Activity 5: Roadway Plans

Estimator: O'Reilly

Lyons Road From North of West Atlantic Ave to South of Boynton Beach Blvd
2005503

5.1	Key Sheet		Sheet	0	0	0	0	N/A
5.2	Summary of Pay Items-including Quantity Input		Sheet	1	6	1	6	Update Pay Items with revisions to quantities
5.3	Drainage Map	200	Sheet	2	6	2	12	Revisions to the drainage maps from Sta 132+18 to Sta 163+88 (3170 LF).
5.4	Interchange Drainage Map		Sheet	0	0	0	0	N/A
5.5	Typical Section Sheets		Sheet	1	8	1	8	Update Typical Section Dimensions & add another typical section
5.6	General Notes/Pay Item notes		Sheet	0	0	0	0	N/A
5.7	Summary of Quantities		Sheet	1	8	1	8	Revise quantities due to revising alignment for 3170 LF.
5.8	Box Culvert Data Sheet		Sheet	6	6	0	36	Update Box Culvert Data Sheets due to lengthening the Box culverts.
5.9	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	0	N/A
5.10	Summary of Drainage Structures		Sheet	3	2	3	6	Update information for 28 drainage structures based on revisions
5.11	Optional Pipe/ Culvert Material		Sheet	0	0	0	0	N/A
5.12	Project Layout		Sheet	0	0	0	0	N/A
5.13	Plan/Profile Sheet		Sheet	0	0	0	0	N/A
5.14	Profile Sheet	40	Sheet	6	3	0	18	Adjust special ditch profiles and roadway profile
5.15	Plan Sheet	40	Sheet	9	4	9	36	Revise 6 plan sheets due to redesign. Revise 3 plan sheets due to box culvert & pipe lengths increasing to move sidewalks outside CZ.
5.16	Special Profile		Sheet	0	0	0	0	N/A
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	N/A
5.21	Miscellaneous Detail Sheets		Sheet	1	10	1	10	LWDD Access Details

Project Activity 5: Roadway Plans

5.22	Drainage Structure Information (per Structure)		EA	28	2	5	56	Production work for 12 structure locations, extending 12 endwalls (6 cross drains), and adding 4 new structures
5.23	Miscellaneous Drainage Detail Sheets		Sheet	8	4	8	32	Update LWDD canal crossings, update control structure details
5.24	Lateral Ditch Plan/Profile		Sheet	0	0	0	0	N/A
5.25	Lateral Ditch Cross sections		EA	0	0	0	0	N/A
5.26	Retention/Detention Ponds Detail Sheet		Sheet	0	0	0	0	N/A
5.27	Retention Pond Cross Sections		EA	0	0	0	0	N/A
5.28	Cross-section Pattern Sheet		Sheet	0	0	0	0	N/A
5.29	Roadway Soil Survey Sheet		Sheet	0	0	0	0	N/A
5.30	Cross Sections		EA	63	1.5	21	95	30 Roadway cross sections will need to be revised and earthwork recalculated. 33 Canal Cross Sections will be revised for 6 LWDD canals
5.31	Traffic Control Plan Sheets		Sheet	0	0	0	0	N/A
5.32	Traffic Control Cross Section Sheets		EA	0	0	0	0	N/A
5.33	Traffic Control Detail Sheets		Sheet	0	0	0	0	N/A
5.34	Utility Adjustment Sheets		Sheet	0	0	0	0	N/A
5.35	Selective Clearing and Grubbing		Sheet	0	0	0	0	N/A
5.36	Erosion Control Plan		Sheet	0	0	0	0	N/A
5.37	SWPPP		Sheet	0	0	0	0	N/A
5.38	Project Control Network Sheet		Sheet	0	0	0	0	N/A
5.39	R/W Acquisition Maps		Sheet	0	0	0	0	N/A
5.40	Utility Verification Sheet (SUE data)		Sheet	0	0	0	0	N/A
Roadway Plans Technical Subtotal						52	323	
5.41	Quality Assurance/Quality Control		LS	%	0%		0	
5.42	Supervision		LS	%	0%		0	

Project Activity 6: Drainage Analysis

Estimator: Adams
Form Revised 11/18/02

Lyons Road From North of West Atlantic Ave to South of Boynton Beach Blvd
2005503

6.1	Determine Base Clearance Water Elevation	Per Location	0	0	0	N/A
6.2	Pond Siting Analysis and Report	Per Basin			0	N/A
6.3	Design of Cross Drains	EA	0	0	0	See Task 5.22
6.4	Design of Roadway Ditches	Per Ditch Mile			0	N/A
6.5	Design of Outfalls	EA	8	3	24	Modify all outfalls for culvert extensions(Rebar Design included in Structural hours)
6.6	Design of Stormwater Management Facility	EA			0	N/A
6.7	Design of Stormwater Management Facility (Roadside Ditch as Linear Pond)	Per System	3	20	60	redesign/adjust Basin L29S completely redesign Basin L28S, update land use for L28N
6.8	Design of Flood Plain Compensation Area	Per Encroachment			0	N/A
6.9	Design of Storm Drains	EA	28	2	56	redesign 12 structure locations, extend 12 endwalls (6 cross drains), and anticipate 4 new structures
6.10	Optional Culvert Material	LS			0	N/A
6.11	French Drain Systems	Per 1000 Feet of French Drain			0	N/A
6.12	Drainage Wells	EA			0	N/A
6.13	Drainage Design Documentation Report	LS	1	16	16	Revise report
6.14	Preparation of Bridge Hydraulic Report	EA	0	0	0	N/A
6.15	Temporary Drainage Analysis	LS			0	N/A

Project Activity 6: Drainage Analysis

6.16	Cost Estimate	LS			0	N/A
6.17	Technical Special Provisions	LS	0	0	0	N/A
Drainage Analysis Technical Subtotal					156	
6.18	Field Reviews	LS	1	4	4	One field review for constrained locations
6.19	Technical Meetings	LS	0	0	0	N/A, incl. in "tab" 8 Environmental Permits
6.20	Quality Assurance/Quality Control	LS	%	0%	0	
6.21	Independent Peer Review	LS	%	0%	0	
6.22	Supervision	LS	%	0%	0	
Drainage Analysis Nontechnical Subtotal					4	
6.23	Coordination	LS	%	0%	0	

Project Activity 8: Environmental Permits

Estimator: Adams

Lyons Road From North of West Atlantic Ave to South of Boynton Beach Blvd
2005503

8.1	Preliminary Project Research	LS	1	0	0	N/A
8.2	Complete Permit Involvement Form	LS	1	0	0	N/A
8.3	Establish Wetland Jurisdictional Lines	LS	1	0	0	N/A
8.4	Agency Verification of Wetland Data	LS	1	0	0	N/A
8.5	Complete And Submit All Required Permit Applications	LS	1	64	64	Project area less than 100 acres permit modification \$1,500 application fee, ERP Mod, Corps permit mod, LWDD permit mod (30hrs LWDD, 24 hrs SFVMD, 10 hrs USACE)
8.6	Prepare Dredge and Fill Sketches	LS	1	0	0	N/A
8.7	Prepare USCG Permit Sketches	LS	1	0	0	N/A
8.8	Prepare Easement Sketches	LS	1	0	0	N/A
8.9	Prepare R/W Occupancy Sketches	LS	1	0	0	N/A
8.10	Prepare Coastal Construction Control Line (CCCL) Permit Sketches	LS	1	0	0	N/A
8.11	Prepare Tree Permit Information	LS	1	0	0	N/A
8.12	Mitigation Coordination and Meetings	LS	1	0	0	N/A
8.13	Mitigation Design	LS	1	0	0	N/A
8.14	Environmental Clearances	LS	1	0	0	N/A
Environmental Permits Technical Subtotal				64		
8.15	Technical Meetings	LS	1	20	20	LWDD, USACOE & PBC.
8.16	Quality Assurance/Quality Control	LS	%	0%	0	
8.17	Supervision	LS	%	0%	0	
Environmental Permits Nontechnical SubTotal				20		
8.18	Coordination	LS	%	0%	0	

Project Activity 18: Miscellaneous Structures

Estimator: Hunter

Lyons Road From North of West Atlantic Ave to South of Boynton Beach Blvd
2005503

Concrete Box Culvert							
18.1	Concrete Box Culverts	EA	0	0		0	See Task 5.8 for hours.
18.2	Concrete Box Culverts Extensions	EA	0	0		0	N/A
Strain Poles							
18.3	Steel Strain Poles	Initial Config	0	0		0	N/A
		EA Add'l Config	0	0		0	N/A
18.4	Concrete Strain Poles	Initial Config	0	0		0	N/A
		EA Add'l Config	0	0		0	N/A
Mast Arms							
18.5	Mast Arms	EA Pole	0	0		0	N/A
Overhead & Cantilever Sign Structures							
18.6	Cantilever Sign Structures	EA	0	0		0	N/A
18.7	Overhead Span Sign Structures	EA	0	0		0	N/A
18.8	Special (longspan) Overhead Span Sign Structures	EA	0	0		0	N/A
18.9	Monotube Overhead Sign Structure	EA	0	0		0	N/A
18.10	Bridge Mounted Signs (Attached to Superstr.)	EA	0	0		0	N/A
High Mast Lighting Fixtures							
18.11	High Mast Lighting Structures	EA	0	0		0	N/A
Sound Barrier Walls (Ground Mount)							
18.12	Horizontal Wall Geometry	EA Wall	0	0		0	N/A
18.13	Vertical Wall Geometry	EA 500 feet of Wall	0	0		0	N/A
18.14	Semi-Standard Drawings	Sheet	0	0		0	N/A
18.15	Control Drawings	Sheet	0	0		0	N/A
18.16	Design for Wall Height Covered by Standards	EA Design	0	0		0	N/A
18.17	Design for Wall Height Not Covered by Standards	EA Design	0	0		0	N/A
18.18	Aesthetic Details	EA	0	0		0	N/A
Special Structures							
18.19	Special Structures	EA	7	4	3	28	Design and detail openings in walls for pipes and in top slab for manhole riser of box culverts.

Project Activity 19: Signing and Pavement Marking Analysis

Estimator: O'Reilly

Lyons Road From North of West Atlantic Ave to South of Boynton Beach Blvd
2005503

19.1	Traffic Data Analysis	LS	1	0	0	NA
19.2	No Passing Zone Study	LS				NA
19.3	Reference and Master Design File	LS	1	24	24	Revise 3170 LF
19.4	Multi Post Sign Support Calculations	EA	0	0	0	NA
19.5	Sign Panel Design Analysis	EA	0	0	0	NA
19.6	Sign Lighting/Electrical Calculations	EA			0	NA
19.7	Quantities	LS	1	9	9	Revise 6 plan sheet panels at 1.5 hrs per
19.8	Computation Book	LS			0	NA
19.9	Cost Estimate	LS	1	0	0	N/A
19.10	Technical Special Provisions	LS			0	N/A
Signing & Pavement Marking Analysis Technical Subtotal					33	
19.11	Field Reviews	LS	1	0	0	N/A
19.12	Technical Meetings	LS	1	0	0	N/A
19.13	Quality Assurance/Quality Control	LS	%	0%	0	
19.14	Independent Peer Review	LS	%	0%	0	
19.15	Supervision	LS	%	0%	0	
Signing & Pavement Marking Analysis Nontechnical Subtotal					0	
19.16	Coordination	LS	%	0%	0	

Project Activity 20: Signing and Pavement Marking Plans

Estimator: O'Reilly

Lyons Road From North of West Atlantic Ave to South of Boynton Beach Blvd
2005503

20.1	Key Sheet		Sheet	1	0	0	0	N/A
20.2	Summary of Pay Items-including CES Input		LS	1	0		0	N/A
20.3	Tabulation of Quantities		Sheet	1	0	0	0	N/A
20.4	General Notes / Pay Item Notes		Sheet	1	0	0	0	N/A
20.5	Project Layout		Sheet				0	N/A
20.6	Plan Sheet		Sheet	6	2.7	0	16	Revise 6 S&M Plans Sheet Panels
20.7	Typical Details		EA	0	0	0	0	N/A
20.8	Guide Sign Work Sheet (s)		EA	0	0	0	0	N/A
20.9	Traffic Monitoring Site		EA	0	0		0	N/A
20.10	Cross Sections		EA	0	0		0	N/A
20.11	Special Service Point Detail		EA				0	N/A
20.12	Special Details		LS				0	N/A
20.13	Interim Standards		LS	0	0		0	
Signing & Pavement Marking Plans Technical Subtotal						0	16	
20.14	Quality Assurance/Quality Control		LS	%	0%		0	
20.15	Supervision		LS	%	0%		0	



BETSY LINDSAY, INC.
SURVEYING AND MAPPING

February 11, 2010

American Consulting Engineers of Florida, LLC
Mr. Christopher N. O'Reilly, P.E.
2000 Palm Beach Lakes Blvd., Suite 1000
West Palm Beach, Florida 33409

VIA FAX (561) 253-9551

Dear Mr. O'Reilly:

Per your request, this agreement for professional services between Betsy Lindsay, Inc. (Consultant) has been prepared for your approval. The following sections outline the elements of our agreement with you American Consulting Engineers of Florida, LLC (Client)

SUBJECT PROPERTY

Lyons Road from North Atlantic Avenue and South of Boynton Beach Boulevard.
Supplement #4

SCOPE OF SERVICES

1. Prepare one (1) legal description as direct by client.

DELIVERABLES

Four (4) signed and sealed copies of the sketch and legal description.

COMPENSATION

The fee for services for the above described herein will be a lump sum fee of \$350.00. Any additional services will be done on a time and materials basis.

Thank you for this opportunity to serve you. If this agreement is satisfactory, please notify me at your earliest convenience.

Sincerely

for David Joseph Wichser, P.S.M.
Project Surveyor

Approved and accepted this _____ day of _____, 2010, American Consulting Engineers of Fla (Client)

Witness: _____

Authorized Client Representative

S:proposal/BLA/AmericanConsulting/10lyons4.docx

Send all correspondence
7997 SW Jack James Drive
Stuart, FL 34997
(772) 286-5753 • Fax (772) 286-5933

208 North U.S. Highway One, #8
Tequesta, FL 33469
(561) 575-5275

PROJECT HISTORY

02/11/2010

Page 1

PROJECT NAME: Lyons Road, North of W. Atlantic Avenue to South of Boynton Beach Blvd.
PROJECT NO. 2005503
RESOLUTION DATE / NO. 06/20/2006 R2006-1052 **AGREEMENT AMOUNT: \$ 733,206.09**

SUPP #	DATE	DESCRIPTION	LEAD	CRC	BCC
1	01/21/2009	Eng. analysis, design and final plan preparation. Planned improvements to the corridor: new RTL (SB) & LTL (NB) to Flavor Pict Rd.	0.00	85,971.56	0.00
2	06/24/2009	Eng. analysis, design & final plan preparation. Planned improvements to the corridor. Revise design & update permitting applic.	0.00	95,637.43	0.00
3	09/24/2009	Project schedule, design, construction plans and bid docs., drainage design, environ. svcs. and construction cost estimates.	3,820.57	0.00	0.00
TOTALS			3,820.57	181,608.99	0.00

CERTIFICATION STATEMENTS

Project: Lyons Road from N. of West Atlantic Avenue to S. of Boynton Beach Boulevard
Project No.: 2005503

CONSULTANT: American Consulting Engineers of Florida, LLC

TRUTH-IN-NEGOTIATION STATEMENT

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

The said lump sum fees shall be adjusted to exclude any significant sums should the **COUNTY** determine that the lump sum fees were increased due to inaccurate, incomplete or non-current wage rates or due to inaccurate representations of fees paid to outside consultants.

The **COUNTY** shall exercise its right under this "Certificate" within one year following final payment.

PROHIBITION AGAINST CONTINGENT FEES STATEMENT

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

PUBLIC ENTITY CRIMES STATEMENT

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

NON-DISCRIMINATION STATEMENT

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



Chris N. O'Reilly, P.E., Principal, Project Manager

CONFLICT OF INTEREST DISCLOSURE FORM

Project: Lyons Road from N. of West Atlantic Avenue to S. of Boynton Beach Boulevard
Project No.: 2005503

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

(Attach additional sheets as needed.)

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


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

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

THIS DISCLOSURE is submitted by Chris N. O'Reilly, P.E., as
(Name of Individual)

Principal Project Manager, of American Consulting Engineers of Florida, LLC
(Title/Position) (Firm Name of ENGINEER)

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

2/16/10
(Signature) (Date)

02/11/2010

PARTICIPATION FOR MWBE/SBE CONSULTANTS
Supplement Number 4

Project Name: Lyons Road, North of W. Atlantic Avenue to

Project No.: 2005503

Prime Consultant: American Consulting Engineers of Florida, LLC

Prime Contact Person: Christopher N. O'Reilly, P.E.

Telephone No.: (561) 253-9550

Resolution Date: 06/20/2006 Res #: R2006-1052

Supplement date: 02/11/2010

Department: Engineering & Public Works

Name / Address / Telephone of Minority Sub-Consultant	Type / Description of Work Performed by Sub-Consultant	Contract Dollar Amount for Sub-Consultant					
		Black	Hispanic	Other	Women	White Male	
Betsy Lindsay, Inc. 208 N US HIGHWAY 1 UNIT 8 TEQUESTA, FL 33469 (561) 575-5275	Surveyor	MWBE	0.00	0.00	0.00	0.00	
		SBE	0.00	0.00	0.00	350.00	0.00
		Total MWBE	0.00	0.00	0.00	0.00	
		%					
		Total SBE	0.00	0.00	0.00	350.00	0.00
		%				0.40	

Total Supplement Amount: 88,127.85

SCHEDULE 2
LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE CONSULTANT/SUBCONSULTANT

PROJECT NO. 2005503

PROJECT NAME: Lyons Road from N. of West Atlantic Avenue to S. of Boynton Beach Boulevard

TO: American Consulting Engineers of Florida, LLC
(Name of Prime Consultant)

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

Small Business Enterprise (SBE) Minority Business Enterprise (M/WBE) _____

Black _____ Hispanic _____ Women Caucasian _____ Other (Please Specify) _____

Date of Palm Beach County Certification: _____

The undersigned is prepared to perform the following described work in connection with the above project and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.
(Specify in detail particular work items or parts thereof to be performed)

Surveyor Services to prepare one legal description. Deliverables: four signed and sealed copies of the legal description.

SBE-M/WBE Participation 0.40 %

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the name of any such subcontractor must be stated _____

The undersigned subconsultant understands that the provision of this form to prime bidder does not prevent subconsultant from providing quotations to others.

Betsy Lindsay, Inc.
(Print name of SBE-M/WBE Subcontractor)

By: [Signature]
(Signature)

ELIZABETH A LINDSAY
(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: 2/12/10

**INTEROFFICE COMMUNICATION
PALM BEACH COUNTY
BUDGET AVAILABILITY STATEMENT**

DATE: February 12, 2010

TO: Omelio Fernandez, Director
Roadway Production
Attn: Dave Young/JaeAnn Dean

FROM: Alexis T. Willhite, Fiscal Manager *adm*
Administrative Services

RE: Lyons Rd/N of Atlantic Ave to S of Boynton Beach Blvd
Project # 2005503
American Consulting Engineers of Florida, LLC
Consultant Services Authorization
Supplement #4 \$86,127.85

BOARD MEETING DATE: N/A

FISCAL IMPACT LOCATION: F:\COMMON\WP\AgendaPage2\ N/A

FUNDING STATUS: FULLY FUNDED

Is Item Included in Current Budget? Yes X No

Budget Account No:
Fund 3505 Dept 361 Unit 1153 Object 6505

Recommended Sources of Funds/Summary of Fiscal Impact:

Road Impact Fee Fund - Zone 5
Lyons Rd/N of Atlantic Ave to S of Boynton Beach Blvd

Supplement #4	
- Basic Services	\$84,277.85
- Reimbursable Services	\$ 1,850.00
Total Authorization	<u>\$86,127.85</u>

Client#: 7524

AMERCON3

ACORD. CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YYYY) 10/20/2009
PRODUCER ISU Suncoast Insurance Assoc P.O. Box 22668 Tampa, FL 33622-2668 813 289-5200	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
INSURED American Consulting Engineers of Florida, LLC 2818 Cypress Ridge Blvd. #200 Wesley Chapel, FL 33544	INSURERS AFFORDING COVERAGE	
	INSURER A: Charter Oak Fire Insurance Comp	25615
	INSURER B: Travelers Indemnity Company	25658
	INSURER C: Travelers Casualty and Surety C	19038
	INSURER D: Hudson Insurance Company	23054
	INSURER E:	

COVERAGES

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. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSURANCE TYPE	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY	6802963L517	08/10/09	08/10/10	EACH OCCURRENCE \$1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-ECT <input type="checkbox"/> LOC				DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
B	AUTOMOBILE LIABILITY	BA2955L401	08/10/09	08/10/10	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000
	<input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS				BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC AGG \$
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC AGG \$
B	EXCESS/UMBRELLA LIABILITY	CUP6837Y886	08/10/09	08/10/10	<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE \$ RETENTION \$
					EACH OCCURRENCE \$2,000,000 AGGREGATE \$2,000,000 \$ \$ \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	UB6831Y741	08/10/09	08/10/10	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTHER ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below
					E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
D	OTHER Professional Liability	AEE7152704	08/10/09	08/10/10	\$2,000,000 per claim \$2,000,000 annl aggr.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

Professional Liability is written on a claims made and reported basis.


RE: All Projects

Palm Beach Board of County Commissioners, a Political Subdivision of the State of Florida, its officers, employees and agents are Additional (See Attached Descriptions)

CERTIFICATE HOLDER

CANCELLATION

10 Days for Non-Payment

Palm Beach County Board of County Commissioners c/o Engineering Department 2300 North Jog Road; 3rd Floor West Palm Beach, FL 33411-2745	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>30</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE 
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DESCRIPTIONS (Continued from Page 1)

**Insured's for General Liability only for this project. Includes Prior
Acts coverage to effective date of project. Professional Liability
Retroactive Date - 08/10/2002.**