

**WORK AUTHORIZATION # CM1692-WA04
NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
RFQ/BID NO. NC10-004**

Consultant:	Connelly & Wicker Inc.
Contract Number:	CM1692
Contact Name:	Rick Welch
Contact Number:	904-265-3060
Email:	welch@cwieg.com

CURRENT WORK AUTHORIZATION	
Project Short Title: Bonnieview Road Crossdrain Repair	
Date Submitted	7-2-13
Amount	\$51,387.55
Scheduled Completion	40 weeks

This Work Authorization is to the AGREEMENT between Nassau County and the Consultant known as the Continuing Contract for Professional Engineering Services for Nassau County, Florida, dated December 13, 2010. The services to be provided under this Work Authorization are as follows:

ARTICLE 1. Services Described as:

Connelly & Wicker Inc. shall produce construction plans to repair the existing cross drain on Bonnieview Road between Bonnie Oaks Drive and Clinch Drive, pursuant to the Scope of Services attached hereto as Attachment "A".

ARTICLE 2. Time Schedule

The total time anticipated for the geotechnical investigation, environmental efforts, survey efforts, design, production and permitting is forty (40) weeks from the Notice to Proceed. Milestones and deliverables are detailed under Section III – Time Schedule of the proposal, attached hereto as Attachment "A".

ARTICLE 3. Budget

Connelly & Wicker Inc. shall services for a lump sum cost \$51,387.55.

All service fees shall be pursuant to the contract fee summary attached hereto as Attachment "B"

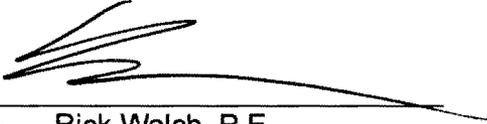
Article 4. Other Provisions

The Services covered by this Work Authorization will be performed in accordance with the provisions set forth in the AGREEMENT referenced above and any of its attachments or schedules. This Work Authorization will become a part of the referenced AGREEMENT when executed by both parties.

In presenting this Work Authorization, Consultant agrees that:

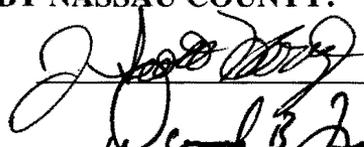
Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Consultant. Specifically, all electronic files have been reviewed and accepted for the purposes of this Work assignment. Any additional information, including detailed scope of services is attached.

AGREED TO BY:

BY: 
Print Name: Rick Welch, P.E.
Title: President
Date: July 17, 2013

RECOMMENDED AND APPROVED BY NASSAU COUNTY:

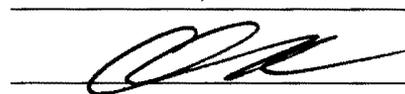
Public Works Director:



Board of County Commissioners, Chair:



Ex-Officio Clerk:



County Attorney:

MS
08-13-13

APPROVED by the BOARD OF COUNTY COMMISSIONERS, the 12th day of August, 2013.

Account No. _____


**ATTEST AS TO CHAIRMAN'S
SIGNATURE ONLY**



Connelly & Wicker Inc.

ATTACHMENT "A"

10060 Skinner Lake Drive
Jacksonville, FL 32246
Phone: 904-265-3030
Fax: 904-265-3031

Consulting Engineers

SCOPE OF WORK

CWI Project No.: 12-01-0303

Nassau County Contract No.: CM1692

ENGINEERING SERVICES

FOR

Bonnieview Road Crossdrain Repair

I. SCOPE OF PROJECT

- A. The intent of this scope of work is to produce construction plans to repair the existing cross drain on Bonnieview Road between Bonnie Oaks Drive and Clinch Drive. The CONSULTANT shall provide Final Design engineering and Construction Administration services. It is intended the Consultant's services will result in construction drawings and specifications needed for the County to advertise for bidding.
- B. This CONSULTANT shall provide Final Design and Construction Administration Services.

II. PROJECT REQUIREMENTS

A. Final Design Requirements:

The final design work by the CONSULTANT shall consist of the work as follows:

- 1. The CONSULTANT shall conduct geotechnical investigations to help determine the full scope of unsuitable soil removal.
- 2. The CONSULTANT shall prepare construction plans for the replacement of the existing crossdrain. Repairs shall consist of:
 - a. Roadway Repair
 - b. Unsuitable Soil Removal
 - c. Subsoil Stabilization
 - d. In-kind Crossdrain Replacement
 - e. Detour Plan (Requiring an FDOT General Use Permit)

July 2, 2013

3. The limits of the survey shall be from:
 - a. 200' west of the existing crossdrain
 - b. 100' east of the existing crossdrain
 4. The Right-of-Way will be located.
 5. Utilities will be designated and located (as necessary)
 6. Design criteria shall be based on the "Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways, State of Florida", (aka Florida Greenbook) latest edition, the "FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System" (aka Standard Index), latest addition, the current edition of the Nassau County, Florida Code of Ordinances. The standard design criteria shall be modified as necessary.
 7. All drainage design recommendations shall be based on the Nassau County, Florida Code of Ordinances and the regulations and policies of the applicable permitting agencies.
 8. The CONSULTANT will prepare a standard Maintenance of Traffic (MOT) plan & Detour Plan.
 9. The CONSULTANT shall include all utility adjustments on the construction plans which show the anticipated adjustments and relocations of existing facilities. The respective utilities will define their adjustments and relocations and provide them to the CONSULTANT to be included in the final construction plans.
 10. The CONSULTANT will collect soil borings as noted in Universal Engineering Services' attached scope.
 11. The CONSULTANT shall apply for a USACE Nationwide Permit
 12. The CONSULTANT shall apply for a SJRWMD Noticed General Permit
 13. The CONSULTANT will apply for an FDOT General Use Permit
- B. Construction Administration Services
- a. Attend Pre-bid, describe project, respond to bid questions during bid phase
 - b. Prepare a Bid Analysis Memorandum
 - c. Attend Pre-construction meeting
 - d. Review shop drawings submitted by Contractor.
 - e. Answer requests for information (RFI's) from the Contractor.

- f. Attend contractor progress meetings, as required
- g. Review monthly pay requests by the Contractor
- h. Certify As-Builts

C. Sequence of Services:

- 1. Geotechnical Investigation (Universal)
- 2. Wetland flagging (ERS)
- 3. Collect ROW survey, topographic survey, wetland limits, utilities (Clary)
- 4. Prepare and submit Preliminary Plans (60%) and an Estimate of Probable Construction Cost.
- 5. Submit USACE & SJRWMD permit exemption letters.
- 6. Submit construction plans to Utility Agency Owners.
- 7. Prepare Pre-Final design (90%) with subsurface utility locations collected.
- 8. Prepare Final plans (100%) with Bid Specifications and an Estimate of Probable Cost.
- 9. Provide Construction Administration Services

D. Project Submittal Requirements:

- 1. Utility Coordination: During this work, the CONSULTANT will furnish up-to-date drawings at the earliest possible time to assist utilities in locating their facilities for the purpose of resolving conflicts with the construction. The CONSULTANT will have the underground utilities located by Subsurface Utility subconsultant.
- 2. Preliminary Design (considered 60% completion): Five (5) sets preliminary design drawings and an estimate of probable construction cost shall be furnished to the CLIENT's Project Manager at the 60% completion point. Drawings will be half size (11" x 17") and shall include the following items, at a minimum:
 - a. Location map with beginning, ending and any required equation stations.
 - b. Plan/profile sheets showing existing topography, reference points, baseline of surveys, begin/end and required equation stations, and existing utility facilities.
 - c. Selected roadway cross sections at appropriate locations and spacing.
 - d. Drainage cross sections
 - e. Traffic control plans (MOT) including Detour Plan

f. Signing & Marking plans.

3. Pre-Final Design (considered 90% completion): Five (5) sets of half-size (11" x 17") drawings shall be furnished to the Project Manager at the 90% completion point.
4. Final Design (considered 100% completion): Five (5) sets of half-size (11" x 17") drawings shall be furnished to the Project Manager at the 100% completion point.
5. Cost Estimates: The CONSULTANT shall provide an *Engineer's Opinion of Probable Cost of Construction* to the COUNTY with the 60%, 90% & 100% documents.
6. Bid Documents: The CONSULTANT will prepare a bid package including front end documents, special provisions and specifications for the bidding of this project. The CONSULTANT will also formally respond to questions during the bidding phase of the project and prepare recommendations of the lowest qualified bidder (Bid Analysis Memo).
7. Quantity Calculations: One set of the consultant's quantity calculations shall be furnished along with the 90% documents. Calculations shall be provided for all pay items in the Form of Bid. One bound, signed and sealed sets of the final quantity calculations shall be submitted with the bid documents.
8. Design Reviews: The CONSULTANT, when submitting the Preliminary Design at the 60% completion point and the drawings at the 90% and 100% completion points, will allow a four (4) week review time for each submittal and, if requested, will attend and prepare meeting minutes of any conference held at the end of the review period to discuss agency comments. Any changes, refinements, or modifications developed during each review shall be incorporated into the design or otherwise disposed of before proceeding to follow-on design work.
9. Final Documents: The CONSULTANT shall provide one (1) set of final plans, signed & sealed, one (1) set of publication ready Specifications, along with a CD containing a PDF of the final plans and the specifications suitable for printing. The CONSULTANT shall provide an EXCEL file of the Estimate of Probable Cost and one (1) CD of the construction plans CADD files for AS-Builts.

E. Permitting Requirements:

1. Following the Preliminary Design submittal (60%), the CONSULTANT shall apply for USACE Nationwide & SJRWMD Noticed General permits. If the ACOE or SJRWMD requires additional permitting efforts, the CONSULTANT will work with CLIENT to adjust the scope and fee of the project accordingly.
2. Following the Preliminary Design submittal (60%), the CONSULTANT shall submit a request to the FDOT for a General Use Permit.
3. Right-of-way permit shall be obtained by the Construction Contractor.
4. Permit fees shall be paid for by the CLIENT.

F. Additional Requirements:

1. The CONSULTANT shall attend a Notice to Proceed meeting with the County Project Manager.
2. Provide dialogue with all utility companies.
3. Plans shall be no larger than 11" x 17" sheets.
4. The CLIENT shall be the Owner of the final documents.
5. The CONSULTANT shall take notes of all design/review meetings held with Nassau County agencies and affected stakeholders. These notes shall be transcribed and furnished to the CLIENT Project Manager for concurrence as soon as practical after the date of the meeting.
6. The CONSULTANT shall work directly with the CLIENT Project Manager and the CONSULTANT will receive all information from the CLIENT Project Manager.
7. The CONSULTANT shall prepare invoices in the format as prescribed by the CLIENT. Progress reports shall be submitted at the time of invoicing.
8. The CONSULTANT shall designate qualified staff to implement Quality Assurance/Quality Control (QA/QC) reviews prior to project submittals to the CLIENT.
9. The CONSULTANT shall be notified in writing by the CLIENT Project Manager regarding changes to the project that will require modification to the CONSULTANT's scope of work and fee.

III. TIME SCHEDULE

- A. Geotechnical, Environmental & Survey Efforts completed, eight (8) weeks from Notice to Proceed. (Includes: Geotechnical mobilization, labs, report analysis, Wetland Flagging, Survey mobilization for field work, Survey office work)
- B. 60% Preliminary Design review submittal twelve (12) weeks following Item A. (Includes: Design and plans preparation)
- C. Apply for USACE Nationwide & SJRWMD Noticed General permits, one week following 60% submittal. (Giving Nassau County the opportunity to comment before submittal)
- D. 90% submittal eight (8) weeks from receipt of SJRWMD Exemption or receipt of the CLIENT's 60% review comments. (Implement Nassau County Engineering 60% comments)
- E. 100% submittal six (6) weeks from receipt of the CLIENT's 90% review comments. (Implement Nassau County Engineering 90% comments)
- F. Bid Documents submittal two (2) weeks from receipt of the CLIENT's 100% comments.
- G. The total time anticipated for the geotechnical investigation, environmental efforts, survey efforts, design, production and permitting is 40 weeks.

IV. NOTICE TO PROCEED

No work on this project shall be performed until a Contract has been executed and a Notice to Proceed is issued which specifically authorizes this work.

V. ADDITIONAL SERVICES

Services authorized other than those specifically listed above shall be considered additional services and shall require an addendum to this contract before being provided.

VI. CLIENT RESPONSIBILITIES

- A. Designate a person to act as Client's representative with respect to coordinating the work to be performed under this Agreement who shall have complete authority to transmit instructions, receive information, interpret and define policies and decisions.
- B. Provide timely response for information dissemination.
- C. Coordinate efforts to inform community of impacts

**CONTRACT FEE SUMMARY FORMAT FOR DEPT. OF PUBLIC WORKS
NASSAU COUNTY, FLORIDA**

PART I - GENERAL				
1. Project Bonnieview Road Crossdrain Repair - Design/Construction Phase			2. Contract Number CM 1692	
3. Name of Consultant Connelly & Wicker Inc.			4. Date of Proposal 07/02/13	
PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	\$181.69	26	\$ 4,723.94	
Sr. Project Manager	\$148.39	59	\$ 8,755.01	
Project Manager	\$112.56	119	\$ 13,394.64	
Project Engineer	\$88.51	74	\$ 6,549.74	
Staff Engineer	\$68.26	42	\$ 2,866.92	
Senior Technician	\$63.36	0	\$ 0.00	
Clerical	\$44.19	1	\$ 44.19	
TOTAL	\$113.19	321		\$36,334.44
6. Overhead (Combined Fringe Benefit & Administrative)			Total Direct Labor	
Overhead Rate			-	
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)			-	
8. PROFIT: Labor Related Costs (Item 7)			(Labor + Overhead)	
			-	
PART III - OTHER COSTS				
9. Miscellaneous Direct Costs				
Transportation			\$ 0.00	
Permit Fee			\$ 0.00	
Reproduction			\$ 0.00	
Shipping & Mail			\$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				\$0.00
10. Sub Consultants				
Clary & Associates (Survey)			\$ 10,453.11	See Attachment
Universal Engineering Sciences (Geotechnical)			\$ 3,300.00	See Attachment
ERS (Environmental)			\$ 1,300.00	See Attachment
SUB-CONSULTANT SUB-TOTAL				\$15,053.11
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				\$51,387.55
11. REIMBURSABLE COSTS (Limiting Amount)				
			\$ 0.00	
SUB-TOTAL REIMBURSABLES				\$0.00
PART IV - SUMMARY				
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5 and 10)				\$51,387.55

ESTIMATE OF WORK EFFORT AND FEE FOR
CONSTRUCTION PLANS

CONSULTANT: Connelly & Wicker Inc. Contract Number: CM 1692 Prepared: July 2, 2013 Estimator's Name: Jackson	NAME OF PROJECT: Bonnieview Road Crossdrain Repair - Design/Construction Phase BETWEEN: 200' West of Crossdrain AND: 100' East of Crossdrain LENGTH: 300'
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No. / ACTIVITY	Principal RATE = \$181.69		Sr. Project Manager RATE = \$148.39		Project Manager RATE = \$112.56		Project Engineer RATE = \$88.51		Staff Engineer RATE = \$68.26	
	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST
113 Plan Prep.	11	\$1,998.59	21	\$3,116.19	63	\$7,091.28	74	\$6,549.74	42	\$2,866.92
109 Drainage Design	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
113 Utility & Railroad	0	\$0.00	16	\$2,374.24	16	\$1,800.96	0	\$0.00	0	\$0.00
114 Permitting	0	\$0.00	7	\$1,038.73	9	\$1,013.04	0	\$0.00	0	\$0.00
115 Construction Admin	15	\$2,725.35	15	\$2,225.85	31	\$3,489.36	0	\$0.00	0	\$0.00
TOTAL	26	\$4,723.94	59	\$8,755.01	119	\$13,394.64	74	\$6,549.74	42	\$2,866.92

No. / ACTIVITY	Senior Technician RATE = \$63.36		Clerical RATE = \$44.19		MAN HOURS BY ACTIVITY	SALARY COST BY ACTIVITY	AVG. HOURLY COST	SALARY COST DIST. %
	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST				
113 Plan Prep.	0	\$0.00	0	\$0.00	211	\$21,622.72	\$102.48	59.5
109 Drainage Design	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0.0
113 Utility & Railroad	0	\$0.00	0	\$0.00	32	\$4,175.20	\$130.48	11.5
114 Permitting	0	\$0.00	1	\$44.19	17	\$2,095.96	\$123.29	5.8
115 Construction Admin	0	\$0.00	0	\$0.00	61	\$8,440.56	\$138.37	23.2
TOTAL	0	\$0.00	1	\$44.19	321	\$36,334.44	\$113.19	100.0

MISCELLANEOUS DIRECT COST

CONSULTANT: Connelly & Wicker Inc.
 Contract Number: CM 1692
 Prepared: July 2, 2013

NAME OF PROJECT: Bonnieview Road Crossdrain Repair - Design/Construction Phase
 BETWEEN: 200' West of Crossdrain
 AND: 100' East of Crossdrain

ITEM DESCRIPTION					ITEM TOTAL	COMMENTS
Drafting Medium: (Original Reproducibles)						
16 Sheets @ \$ - Per Sheet =					\$0.00	
Reproduction (Blue Line & Sepias)		Blue Line	(11x17)	Photocopy		
				Sheets		
				Sheets		
60%	0	0	0	Sheets	5 Sets	
90%	0	0	0	Sheets	5 Sets	
100%	0	0	0	Sheets	5 Sets	
Bid Submittal	0	0	0	Sheets	30 sets Bid Docs	
Total Sheets		0	0	0		
Cost:	Blue Line	0 Sheets @	\$1.25 =	\$0.00		
(11 x 17)	Photocopy	0 Sheets @	\$0.19 =	\$0.00		
(8.5 x 11)	Photocopy	0 Sheets @	\$0.13 =	\$0.00		
Travel From: [Consultant Office Location]						
To Project:	# Trips					
Transport.	0 x	0 miles x	\$0.500 per mile*	\$0.00		
To County Offices:	# Trips					
Transport.	0 x	0 miles x	\$0.500 per mile*	\$0.00		
To Other Locations:	# Trips					
Transport.	0 x	0 miles x	\$0.500 per mile*	\$0.00	Utility Coordination	
					\$0.00	
Other (Community Meeting Displays):					\$0.00	
Permit Application Fees					\$0.00	
Shipping Est. 6 deliveries at \$25.00 each					\$0.00	
Regular Mail					\$0.00	
Registered Mail 0 Mailings @ \$5.00 each					\$0.00	
TOTAL COST					\$0.00	

SUMMARY OF MANHOOR REQUIREMENTS

CONSULTANT: Connelly & Wicker Inc.
 Contract Number: CM 1692
 Prepared: July 2, 2013

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 BETWEEN: 200' West of Crossdrain
 AND: 100' East of Crossdrain

ITEM	NO. OF SHEETS	TOTAL MANHOURS	COMMENTS
113 Plan Prep.	16	211.0	
109 Drainage Design	0	0.0	
113 Utility & Railroad	0	32.0	
114 Permitting	0	17.0	
115 Construction Administraion	0	61.0	
Field Review			Included in Above Items
Plans Checking			Included in Above Items
TOTAL	16	321.0	19.0 Hours/Sheet (Excluding Permittng)

PLANS PREPARATION

CONSULTANT: Connelly & Wicker Inc.
 Contract Number: CM 1692
 Prepared: July 2, 2013

NAME OF PROJECT: Bonnieview Road Crossdrain Repair - Design/Construction Phase
 BETWEEN: 200' West of Crossdrain
 AND: 100' East of Crossdrain

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
113 Plan Prep	1"=						
Key Map & Index of Dwgs		Sheet	1	1	2.00	2.00	
Typical Sections		Sheet	1	1	8.00	8.00	
Summary of Quantities		Sheet	1	1	6.00	6.00	
Plan/Profile Sheet	40	Sheet	1	1	24.00	24.00	includes roadway design, plan production, CADD
Curb Return Profiles		Sheet	0	0	0.00	0.00	
Construction Details		Sheet	2	2	8.00	16.00	Soil Stabilization Details; Drainage related details
General Notes		Sheet	1	1	4.00	4.00	
Geotechnical		Sheet	0	0	0.00	0.00	See Attached Scope by Universal
Geotechnical Coordination (CWI)		L.S.	1	0	8.00	8.00	Coord with Universal for Construction Details
Drainage Cross Sections		Sheet	1	1	8.00	8.00	Crossdrain Design & Plans Prep
Cross Sections		Sheet	8	4	3.00	24.00	Design & Plans Prep
Stormwater Pollut. Prevent. Plans		Sheet	1	1	8.00	8.00	Erosion Control Plan - Design & Plans Production
Detour Notes		Sheet	1	1	2.00	2.00	
Detour Plans		Sheet	1	1	8.00	8.00	Detour Plan
Signing and Marking Plans		Sheet	1	1	8.00	8.00	Design & Plans Prep
Signalization Plans		Sheet	0	0	0.00	0.00	
Tree Mitigation Plans		Sheet	0	0	0.00	0.00	
Quantity Take-Off		L.S.	1	0	8.00	8.00	
Review Comments		L.S.	1	0	8.00	8.00	60%, 90%, 100%, Bid Doc Submittals
Cost Estimates		Each	3	0	3.00	9.00	
Pavement Design		L.S.	0	0	0.00	0.00	
Bid Specifications		L.S.	1	0	32.00	32.00	2 Submittals
Meetings w/ Project Manager		Each	3	0	4.00	12.00	NTP; Review Comments; Progress
Community Meeting		Each	0	0	0.00	0.00	
Meetings w/ Subconsultants		L.S.	1	0	4.00	4.00	Universal
Field View (Plans in hand)		Each	3	0	4.00	12.00	2 people
ROADWAY PLANS TOTALS				16		211.00	

PLANS PREPARATION

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ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
113 Utility & Railroad	1"=						
Utility Adjustment Plans	20' & 40'	Sheet	1	1	8.00	8.00	
Water Main		Sheet	0	0	0.00	0.00	
Water & Sewer Design Services		L.S.	0	0	0.00	0.00	
Street Lighting Plans		Sheet	0	0	0.00	0.00	
Coord. w/ Utilities		L.S.	1	0	24.00	24.00	FPUC, Fernandina Beach, AT&T, Comcast
Railroad Plan Sheet		Sheet	0	0	0.00	0.00	
Railroad Drainage Struct.		Section	0	0	0.00	0.00	
Railroad Hearings		Each	0	0	0.00	0.00	
UTILITIES & RAILROADS TOTALS				1		32.00	

109 Drainage	1"=						
Drainage Map		Sheet	0	0	0.00	0.00	
Additional Drainage Maps		Sheet	0	0	0.00	0.00	
Attend meeting		Each	0	0	0.00	0.00	
Drainage Design - Urban		L.S.	0	0	0.00	0.00	
Drainage Design - Rural		L.S.	0	0	0.00	0.00	
Drainage Design - Outfall		L.S.	0	0	0.00	0.00	
Drainage Design - Roundabouts		Sheet	0	0	0.00	0.00	
Drainage Struct. - Rural		Sheet	0	0	0.00	0.00	
Drainage Struct. - Urban		Sheet	0	0	0.00	0.00	
Summary - Drainage Struct		Sheet	0	0	0.00	0.00	
Ret/Det Basins		Sheet	0	0	0.00	0.00	
SJRWMD Pond Design		L.S.	0	0	0.00	0.00	
Collect MSMP info		L.S.	0	0	0.00	0.00	
Conceptual Drainage Study		L.S.	0	0	0.00	0.00	
DRAINAGE TOTALS				0		0.00	

PERMITTING AND ENVIRONMENTAL

CONSULTANT: Connelly & Wicker Inc.
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 BETWEEN: 200' West of Crossdrain
 AND: 100' East of Crossdrain

ITEM	SCALE	UNIT	NO OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
114 Permitting/Environmental	1"						
Permit Investigation		LS	0	0	0.00	0.00	
SJRWMD		Each	1	0	13.00	13.00	Coordination and Submittal of USACE & SJRWMD Permits
Corps of Engineers		LS	0	0	0.00	0.00	
Fla. Dept. of Transportation		LS	1	0	4.00	4.00	General Use Permit for Detour
NPDES		LS	0	0	0.00	0.00	
Permit Acquisition Assessment		Study	0	0	0.00	0.00	
SJRWMD water quality study		Project	0	0	0.00	0.00	
Wetland Impact Assess. Coord.		LS	0	0	0.00	0.00	
Tree Avoidance & Protection Alts.		Study	0	0	0.00	0.00	
Coord. W/ Arborist & Surveyor		Study	0	0	0.00	0.00	
PERMITTING AND ENVIRONMENTAL TOTALS			2	0		17.00	

CONSTRUCTION ADMINISTRATION

CONSULTANT: Connelly & Wicker Inc.
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 BETWEEN: 200' West of Crossdrain
 AND: 100' East of Crossdrain

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
115 Post Design	1"=						
Pre-Bid Meeting		Mtg	1		12.00	12.00	answer Bid questions
Prepare Bid Analysis Memo		Each	1		4.00	4.00	
Pre-construction Meeting		Mtg	1		4.00	4.00	
Shop Drawings review		Submittal	1		8.00	8.00	
Answer RFI's		Each	3		3.00	9.00	
Progress meetings		Each	3		4.00	12.00	3 mtgs
Review & approve pay request		Each	4		3.00	12.00	
CONSTRUCTION ADMIN TOTALS						61.00	

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project:	Bonnieview Road	Consultant Name:	Connolly & Wicker/Clary & Associates, Inc.
County:	Nassau County	Consultant No.:	
FPN:	0	Date:	6/28/13
FAP No.:	N/A	Estimator:	Greg Clary, Mike Nethery

Staff Classification	Total Staff Hours From 'SH Summary Firm'	Dr. Surveyor & Mapper	Surveyor & Mapper	CADD Tech	Clerical	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$133.16	\$86.34	\$74.57	\$50.55	\$0.00	\$0.00	\$0.00	\$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	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
6. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwg's, Non-Tech.	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	31	3	8	19	2	0	0	0	0	0	0	0	0	32	\$2,608	\$81.50
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Geotechnical	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	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	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	31	3	8	19	2	0	0	0	0	0	0	0	0	32		
Total Staff Cost		\$399.48	\$690.72	\$1,416.83	\$101.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$2,608.13	\$81.50

Check # 82,908.13

SALARY RELATED COSTS:		\$2,608.13
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
SUBTOTAL ESTIMATED FEE:		\$2,608.13
Survey (Field)	58.37	3-man crew \$ 134.40 /hour
Geotechnical Field and Lab Testing		\$0.00
SUBTOTAL ESTIMATED FEE:		\$10,453.11
		\$0.00
GRAND TOTAL ESTIMATED FEE:		\$10,453.11

**3 MAN CREW
8 HOUR DAYS**

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

Project Activity 27: Survey

Estimator: Mike Nethery

Project

Bonnieview Road

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.01	Horizontal Project Control (HPC)									
	2-Lane Roadway	Mile	0.04	12.50	0.50	1.25	0.63	3.00	1.50	Set horizontal control for project limits along Bonnieview Road
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.02	Vertical PC / Bench Line									
	2-Lane Roadway	Mile	0.04	12.50	0.50	1.25	0.63	3.00	1.50	Set vertical control for project limits along Bonnieview Road
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.03	Alignment and Existing R/W Lines									
		Mile	0.19	5.27	1.00	1.25	1.25	3.00	3.00	Set baseline and recover monumentation to identify property lines
27.04	Aerial Targets			Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
27.05	Reference Points	"A"		Units/Day						
	2-Lane Roadway	EA	4.00	8.00	0.50	1.25	0.63	3.00	1.50	Set estimated 4 reference points for the survey baseline
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
	Reference Points	"B"		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	
27.06	Topography/DTM (3D)									
		Mile	0.04	50.00	2.00	1.25	2.50	3.00	6.00	Topo 200' west and 100' east of existing headwall on Bonnieview Road r-o-w to r-o-w plus 10 additional feet. Locate marsh are 50' from headwall north and south
27.07	Planimetric (2D)									
		Mile			0.00		0.00		0.00	
27.08	Roadway Cross-Sections/Profiles									
		Mile			0.00	1.25	0.00	3.00	0.00	
27.09	Side Street Surveys									

Project Activity 27: Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.10	Underground Utilities									
	Designates	Mile/Site	0.04	12.50	0.50	1.25	0.63	3.00	1.50	Designation: Designate estimated 4 utilities along Bonnieview Road for 260' = 1040' of designation. Locate: estimated 6 VVH's to be determined by engineer
	Locates	Point	6	0.14	0.84	1.25	1.05	3.00	2.52	
	Survey		0%	1.34	0.00		0.00		0.00	
27.11	Outfall Survey									
		Mile			0.00		0.00		0.00	
27.12	Drainage Survey									
		EA		Units/Day	0.00		0.00		0.00	
27.13	Bridge Survey									
	Minor / Major	EA			0.00		0.00		0.00	
27.14	Channel Survey									
		EA			0.00		0.00		0.00	
27.15	Pond Site Survey									
		EA			0.00		0.00		0.00	
27.16	Mitigation Survey									
		Mile			0.00		0.00		0.00	
27.17	Jurisdiction Line Survey									
		Mile	1.00	0.50	0.50	1.25	0.63	3.00	1.50	locate wetland flags
27.18	Geotechnical Support									
		EA	4	Units/Day	20	0.20	1.25	0.25	3.00	0.60
27.19	Sectional / Grant Survey									
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									
		Block		0.5	0.00	1.25	0.00	3.00	0.00	
27.21	Maintained R/W									
		Mile			0.00		0.00		0.00	
27.22	Boundary Survey									
		EA			0.00		0.00		0.00	
27.23	Water Boundary Survey									
		EA			0.00		0.00		0.00	

Project Activity 27: Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.24	R/W Staking / RW Line									
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.25	R/W Monumentation									
		Point			0.00		0.00		0.00	
27.26	Line Cutting									
		Mile			0.00					
27.27	Work Zone Safety									
			6	0.125	0.76					Set up proper work zone
27.28	Miscellaneous Surveys									
					0.00		0.00		0.00	
Survey Subtotal					7.30	Field Support Hours	8	Office Support Hours	20	
27.29	Supplemental Surveys			7	0		0		0	THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
27.30	Document Research	Units							0	
27.31	Field Reviews	Units							0	
27.32	Technical Meetings	LS							0	
			0.00							
27.33	Quality Control / Quality Assurance	LS						5%	1	
27.34	Supervision	LS						5%	1	
27.35	Coordination	LS						3%	1	
27. Survey Total					7.30	Field Support Hours	8	Office Support Hours	23	

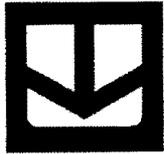
Project Activity 27: Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
Technical Meetings										
	Kickoff Meeting with FDOT	EA	0	0	0					
	Baseline Approval Review	EA	0	0	0					
	Network Control Review	EA	0	0	0					
	Vertical Control Review	EA	0	0	0					
	Local Governments (cities, counties)	EA	0	0	0					
	Final Submittal Review	EA	0	0	0					
	Other Meetings	EA	0	0	0					
	Subtotal Technical Meetings				0					
	Progress Meetings	EA	0	0	0					
	Phase Review Meetings	EA	0	0	0					
	Total Meetings				0					

SPLS =
 PLS =
 Office Support =
 Total Hours = 21

Carries to 27.32

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



UNIVERSAL ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering • Environmental Engineering • Construction Materials Testing •
Threshold Inspection • Private Provider Inspection • Geophysical Studies

Offices In:
• Daytona Beach, FL
• Fort Myers, FL
• Fort Pierce, FL
• Gainesville, FL
• Jacksonville, FL
• Leesburg, FL
• Miami, FL
• Norcross, GA
• Ocala, FL
• Orlando, FL
• Palm Coast, FL
• Panama City, FL
• Pensacola, FL
• Rockledge, FL
• Sarasota, FL
• St. Augustine, FL
• Tampa, FL
• West Palm Beach, FL

July 1, 2013

Connelly & Wicker, Inc.
10060 Skinner Lake Drive – Suite 500
Jacksonville, Florida 32246

Attention: Mr. Keith Jackson, P.E.

Subject: **PROPOSAL FOR A GEOTECHNICAL EXPLORATION**
Proposed Culvert Replacement – Bonnieview Road – Additional Services
Nassau County, Florida
UES Proposal No. 2013J-360

Dear Mr. Jackson:

As requested, Universal Engineering Sciences (UES) is pleased to provide this proposal to perform the additional geotechnical exploration and engineering services for the subject site.

PROJECT INFORMATION

Project information was provided to us in a recent conversation. We understand the project will consist of replacement of an existing quadruple elliptical pipe culvert which extends under Bonnieview Road. The new culverts will be the same size and have the same invert elevations as the existing culverts. The existing Bonnieview Road pavement will be reconstructed within the limits of the culvert replacement and extending beyond the culverts within limits of existing muck as determined by this proposed exploration.

PROPOSED GEOTECHNICAL EXPLORATION

The objective of the geotechnical exploration is to provide sufficient site and subsurface information to evaluate the subsurface conditions at the site with respect to the proposed culvert replacement.

Field Exploration – Based on our understanding of the project information, in order to we propose to perform muck probes adjacent to the ends of the existing culvert and propose approximately 10 auger borings beneath the existing roadway to estimated depths of 15 feet.

Laboratory Testing – Laboratory classification and index property tests will be performed as necessary on selected soil samples obtained from the exploration. The testing will be performed to better define the materials encountered in the exploration to determine their strength/compressibility characteristics.

Engineering Services - A geotechnical engineer, registered in the State of Florida, will direct the geotechnical exploration and provide an engineering analysis and evaluation of the site and subsurface conditions with respect to the planned construction and imposed loading conditions. The results of the recommended exploration and engineering study will be presented in a report containing the following:

1. A brief discussion of our understanding of the planned construction and imposed loads.
2. A presentation of the field and laboratory test procedures used and the data obtained.
3. A presentation of the subsurface conditions including subsurface profiles on a Soil Survey sheet, estimated seasonal high groundwater, and estimated geotechnical engineering properties (as necessary).
4. A geotechnical engineering evaluation of the site and subsurface conditions with respect to the planned culvert replacement.
5. Recommendations for site preparation and any special foundation and site preparation considerations (e.g., geogrid reinforcement) as warranted..

COMPENSATION FOR SERVICES

Based on the scope of the geotechnical exploration, the proposed laboratory investigation, and the engineering services outlined above, we propose to complete the geotechnical exploration and engineering services for a lump sum fee of **\$3,300.00**. We will contact you immediately if we encounter subsurface conditions which could require (1) the borings to be performed to a deeper depth, (2) additional borings or other field testing, and/or (3) additional engineering analysis/evaluation and studies outside the scope of this proposal.

UES will contact Sunshine State One Call of Florida to identify public utilities within the area and up to the appropriate meters. Furthermore, UES should be provided with all readily available project site information regarding underground utility or service lines, and buried structures. Our office can not be held responsible for damage to buried service lines and/or structures that are not identified to our field personnel.

SCHEDULING AND AUTHORIZATION

We can initiate the geotechnical studies within 5 to 7 days of receiving written notification to proceed with the field work to be completed in two days subsequent to all necessary utility locates being cleared. As soon as all field and laboratory tests have been completed and reviewed by the geotechnical engineer, verbal results and recommendations can be provided. The written reports should then be available within four weeks after authorization to proceed.



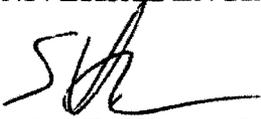
July 1, 2013

We have included a short form authorization agreement. In order to authorize these services, please execute this document and return one copy to our office.

We appreciate this opportunity to provide this proposal to perform the geotechnical exploration for this project. If you have any questions concerning this proposal or if we can serve you in any other way, please contact us.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.



Stephen R. Weaver, P.E.
Geotechnical Services Manager

SRW/srw



UNIVERSAL ENGINEERING SCIENCES

WORK AUTHORIZATION / PROPOSAL ACCEPTANCE FORM

Universal Engineering Sciences, Inc. (UES) is pleased to provide the services described below. The purpose of this document is to describe the terms under which the services will be provided and to obtain authorization.

PROJECT NAME: Proposed Culvert Replacements – Bonnieview Road – Additional Services
PROJECT LOCATION: Fernandina Beach, Nassau County, Florida
CLIENT NAME: Mr. Keith Jackson, P.E. DATE: July 1, 2013
CLIENT ADDRESS: 10060 Skinner Lake Drive – Suite 500 PHONE NO.: 904-265-3030
Jacksonville, Florida 32246 EMAIL: kjackson@cwieng.com

I. Scope of Services and Understanding of Project

As Shown in UES Proposal No. 2013J-360 (Attached)

Lump Sum Fee - \$3,300.00

II. Contract Documents. The following documents form part of this Agreement and are incorporated herein by referral:

- A. UES General Conditions
B. UES Proposal Dated: July 1, 2013
C. Plans, reports, specifications and other documents provided by the Client prior to this Agreement date.
D. Other exhibits marked and described as follows:

In the event of any inconsistency or conflict among the Contract Documents, the provision in the Contract Document first listed above shall govern.

III. Authority to proceed and for payment. (To be completed by Client)

If the above invoice is to be mailed for approval to someone other than the account charged, please indicate where below:

Firm: Social Security No. or Federal Identification No.:
Address:
Attention: Title:

IN WITNESS WHEREOF, the parties have caused this agreement to be executed by their duly authorized representatives

CLIENT UNIVERSAL ENGINEERING SCIENCES, INC.
BY (Signature) BY (Signature)
PRINTED NAME PRINTED NAME Stephen R. Weaver, P.E.
TITLE TITLE Geotechnical Services Manager
DATE DATE July 1, 2013

RETURN EXECUTED COPIES TO
UNIVERSAL ENGINEERING SCIENCES, INC.
5561 FLORIDA MINING BOULEVARD SOUTH, JACKSONVILLE, FLORIDA 32257-3648
TELEPHONE: 904.296.0757 / FAX: 904.296.0748



Universal Engineering Sciences, Inc.
GENERAL CONDITIONS

SECTION 1: RESPONSIBILITIES

- 1.1 *Universal Engineering Sciences, Inc.*, heretofore referred to as the Consultant, has the responsibility for providing the services described under the Scope of Services section. The work is to be performed according to accepted standards of care and is to be completed in a timely manner. The term "Consultant" as used herein includes all of *Universal Engineering Sciences, Inc.*'s agents, employees, professional staff, and subcontractors.
- 1.2 The Client or a duly authorized representative is responsible for providing the Consultant with a clear understanding of the project nature and scope. The Client shall supply the Consultant with sufficient and adequate information, including, but not limited to, maps, site plans, reports, surveys and designs, to allow the Consultant to properly complete the specified services. The Client shall also communicate changes in the nature and scope of the project as soon as possible during performance of the work so that the changes can be incorporated into the work product.

SECTION 2: STANDARD OF CARE

- 2.1 Services performed by the Consultant under this Agreement are expected by the Client to be conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the Consultant's profession practicing contemporaneously under similar conditions in the locality of the project. No other warranty, express or implied, is made.
- 2.2 The Client recognizes that subsurface conditions may vary from those observed at locations where borings, surveys, or other explorations are made, and that site conditions may change with time. Data, interpretations, and recommendations by the Consultant will be based solely on information available to the Consultant at the time of service. The Consultant is responsible for those data, interpretations, and recommendations, but will not be responsible for other parties' interpretations or use of the information developed.

SECTION 3: SITE ACCESS AND SITE CONDITIONS

- 3.1 Client will grant or obtain free access to the site for all equipment and personnel necessary for the Consultant to perform the work set forth in this Agreement. The Client will notify any and all possessors of the project site that Client has granted Consultant free access to the site. The Consultant will take reasonable precautions to minimize damage to the site, but it is understood by Client that, in the normal course of work, some damage may occur, and the correction of such damage is not part of this Agreement unless so specified in the Proposal.
- 3.2 The Client is responsible for the accuracy of locations for all subterranean structures and utilities. The Consultant will take reasonable precautions to avoid known subterranean structures, and the Client waives any claim against Consultant, and agrees to defend, indemnify, and hold Consultant harmless from any claim or liability for injury or loss, including costs of defense, arising from damage done to subterranean structures and utilities not identified or accurately located. In addition, Client agrees to compensate Consultant for any time spent or expenses incurred by Consultant in defense of any such claim with compensation to be based upon Consultant's prevailing fee schedule and expense reimbursement policy.

SECTION 4: SAMPLE OWNERSHIP AND DISPOSAL

- 4.1 Soil or water samples obtained from the project during performance of the work shall remain the property of the Client.
- 4.2 The Consultant will dispose of or return to Client all remaining soils and rock samples 60 days after submission of report covering those samples. Further storage or transfer of samples can be made at Client's expense upon Client's prior written request.
- 4.3 Samples which are contaminated by petroleum products or other chemical waste will be returned to Client for treatment or disposal, consistent with all appropriate federal, state, or local regulations.

SECTION 5: BILLING AND PAYMENT

- 5.1 Consultant will submit invoices to Client monthly or upon completion of services. Invoices will show charges for different personnel and expense classifications.
- 5.2 Payment is due 30 days after presentation of invoice and is past due 31 days from invoice date. Client agrees to pay a finance charge of one and one-half percent (1 ½ %) per month, or the maximum rate allowed by law, on past due accounts.
- 5.3 If the Consultant incurs any expenses to collect overdue billings on invoices, the sums paid by the Consultant for reasonable attorneys' fees, court costs, Consultant's time, Consultant's expenses, and interest will be due and owing by the Client.

SECTION 6: OWNERSHIP OF DOCUMENTS

- 6.1 All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by the Consultant, as instruments of service, shall remain the property of the Consultant.
- 6.2 Client agrees that all reports and other work furnished to the Client or his agents, which are not paid for, will be returned upon demand and will not be used by the Client for any purpose.
- 6.3 The Consultant will retain all pertinent records relating to the services performed for a period of five years following submission of the report, during which period the records will be made available to the Client at all reasonable times.

SECTION 7: DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS

- 7.1 Client warrants that a reasonable effort has been made to inform Consultant of known or suspected hazardous materials on or near the project site.
- 7.2 Under this agreement, the term hazardous materials include hazardous materials (40 CFR 172.01), hazardous wastes (40 CFR 261.2), hazardous substances (40 CFR 300.6), petroleum products, polychlorinated biphenyls, and asbestos.
- 7.3 Hazardous materials may exist at a site where there is no reason to believe they could or should be present. Consultant and Client agree that the

discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work. Consultant and Client also agree that the discovery of unanticipated hazardous materials may make it necessary for Consultant to take immediate measures to protect health and safety. Client agrees to compensate Consultant for any equipment decontamination or other costs incident to the discovery of unanticipated hazardous waste.

- 7.4 Consultant agrees to notify Client when unanticipated hazardous materials or suspected hazardous materials are encountered. Client agrees to make any disclosures required by law to the appropriate governing agencies. Client also agrees to hold Consultant harmless for any and all consequences of disclosures made by Consultant which are required by governing law. In the event the project site is not owned by Client, Client recognizes that it is the Client's responsibility to inform the property owner of the discovery of unanticipated hazardous materials or suspected hazardous materials.
- 7.5 Notwithstanding any other provision of the Agreement, Client waives any claim against Consultant, and to the maximum extent permitted by law, agrees to defend, indemnify, and save Consultant harmless from any claim, liability, and/or defense costs for injury or loss arising from Consultant's discovery of unanticipated hazardous materials or suspected hazardous materials including any costs created by delay of the project and any cost associated with possible reduction of the property's value. Client will be responsible for ultimate disposal of any samples secured by the Consultant which are found to be contaminated.

SECTION 8: RISK ALLOCATION

- 8.1 Client agrees that Consultant's liability for any damage on account of any error, omission or other professional negligence will be limited to a sum not to exceed \$50,000 or Consultant's fee, whichever is greater. Client agrees that the foregoing limits of liability extend to all of consultant's employees and professionals who perform any services for Client. If Client prefers to have higher limits on professional liability, Consultant agrees to increase the limits up to a maximum of \$1,000,000.00 upon Client's written request at the time of accepting our proposal provided that Client agrees to pay an additional consideration of four percent of the total fee, or \$400.00, whichever is greater. The additional charge for the higher liability limits is because of the greater risk assumed and is not strictly a charge for additional professional liability insurance.

SECTION 9: INSURANCE

- 9.1 The Consultant represents and warrants that it and its agents, staff and Consultants employed by it, is and are protected by worker's compensation insurance and that Consultant has such coverage under public liability and property damage insurance policies which the Consultant deems to be adequate. Certificates for all such policies of insurance shall be provided to Client upon request in writing. Within the limits and conditions of such insurance, Consultant agrees to indemnify and save Client harmless from and against loss, damage, or liability arising from negligent acts by Consultant, its agents, staff, and consultants employed by it. The Consultant shall not be responsible for any loss, damage or liability beyond the amounts, limits, and conditions of such insurance or the limits described in Section 8, whichever is less. The Client agrees to defend, indemnify and save Consultant harmless for loss, damage or liability arising from acts by Client, Client's agent, staff, and other consultants employed by Client.

SECTION 10: DISPUTE RESOLUTION

- 10.1 All claims, disputes, and other matters in controversy between Consultant and Client arising out of or in any way related to this Agreement will be submitted to alternative dispute resolution (ADR) such as mediation and/or arbitration, before and as a condition precedent to other remedies provided by law.
- 10.2 If a dispute at law arises related to the services provided under this Agreement and that dispute requires litigation instead of ADR as provided above, then:
- (a) the claim will be brought and tried in judicial jurisdiction of the court of the county where Consultant's principal place of business is located and Client waives the right to remove the action to any other county or judicial jurisdiction, and
 - (b) The prevailing party will be entitled to recovery of all reasonable costs incurred, including staff time, court costs, attorneys' fees, and other claim related expenses.

SECTION 11: TERMINATION

- 11.1 This agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof. Such termination shall not be effective if that substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, Consultant shall be paid for services performed to the termination notice date plus reasonable termination expenses.
- 11.2 In the event of termination, or suspension for more than three (3) months, prior to completion of all reports contemplated by the Agreement, Consultant may complete such analyses and records as are necessary to complete his files and may also complete a report on the services performed to the date of notice of termination or suspension. The expense of termination or suspension shall include all direct costs of Consultant in completing such analyses, records and reports.

SECTION 12: ASSIGNS

- 12.1 Neither the Client nor the Consultant may delegate, assign, sublet or transfer his duties or interest in this Agreement without the written consent of the other party.

SECTION 13. GOVERNING LAW AND SURVIVAL

- 13.1 The laws of the State of Florida will govern the validity of these Terms, their interpretation and performance.
- 13.2 If any of the provisions contained in this Agreement are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions will not be impaired. Limitations of liability and indemnities will survive termination of this Agreement for any cause.



26 June 2013

Mr. Keith Jackson, P.E.
Connelly & Wicker, Inc.
10060 Skinner Lake Drive, Suite 500
Jacksonville, Florida 32246

**RE: Bonnieview Road
ERS Proposal No. P13011R1**

Dear Mr. Jackson:

Environmental Resource Solutions, Inc. (ERS) is pleased to provide the attached *revised* proposal/contract for services at the referenced project site. This proposal supersedes our proposal dated 7 February 2013. Specifically, our services will be to conduct wetland delineation and to provide permitting assistance to Connelly and Wicker.

As always, we look forward to working with you. Please call me if you have any questions regarding our proposal.

Sincerely,

ENVIRONMENTAL RESOURCE SOLUTIONS, INC.



Kim M. Allerton
President

(KMA/Proposals/P13011_JacksonR1)

PROPOSAL/CONTRACT
Prepared for:
Mr. Keith Jackson, P.E.
Connelly & Wicker, Inc.
10060 Skinner Lake Drive, Suite 500
Jacksonville, Florida 32246
26 June 2013

RE: Bonnieview Road
ERS Proposal No. P13011R1

Environmental Resource Solutions, Inc. (ERS) will conduct the following service at the referenced project site:

Task 1 - Wetland Delineation. ERS will delineate the jurisdictional wetlands associated with the proposed culvert improvements/replacement pursuant to the current methodologies of the St. Johns River Water Management District (SJRWMD) and U.S. Army Corps of Engineers (USACE). The delineation will be conducted with the use of sequentially numbered survey ribbons and we will coordinate with your surveyor to locate the flagged lines.

Task 1 Fee.....\$500.00

Task 2 – Permitting Assistance. ERS will assist the project engineers in the preparation and submittal of a Nationwide Permit application to USACE. Based on our understanding of the project, mitigation should not be required for the proposed in-situ repairs or culvert replacement project.

Task 2 Fee(not-to-exceed).....\$800.00

Meetings/Consultation. Any requested meetings or consultation that are beyond the scope of services as described above will be invoiced on a time and materials basis at standard hourly rates.

ERS is pleased to provide you with these services. Our invoices are prepared monthly. Payment is due within 30 days of receipt of invoice. Both parties agree to resolution of any disputes within a Duval County, Florida court. This serves as an agreement between Environmental Resource Solutions, Inc. and the below signatory. If the client's account, after default, is referred to an attorney or collection agency for collection, client shall pay all of ERS expenses incurred in such collection efforts including, but not limited to court costs and reasonable attorneys' fees.

Please sign and return a copy of this proposal to our office. We look forward to working with you.

TERMS ACCEPTED:

BY: 

BY: _____
(Signature)

(Printed/Typed)

FOR: ENVIRONMENTAL RESOURCE SOLUTIONS, INC.

FOR: _____

DATE: 16 June 2013

DATE: _____

(KMA/Proposals/P13011_JacksonR1)

Charlotte Young

From: Becky Hiers
Sent: Wednesday, July 10, 2013 9:17 AM
To: Charlotte Young
Subject: FW: Bonnieview Design Phase Fee Proposal
Charlotte,

Attached is the Connelly & Wicker scope of work for the Bonnieview Crossdrain Repair design and construction administration for your review.

Thank you,

Becky Hiers, P.E.
Engineer III
Nassau County Engineering Services
96161 Nassau Place
Yulee, Florida 32097
(904) 491-7330 phone
(904) 491-3611 fax
bhiers@nassaucountyfl.com

From: Keith Jackson [mailto:kjackson@cweng.com]
Sent: Tuesday, July 02, 2013 3:46 PM
To: Becky Hiers
Subject: Bonnieview Design Phase Fee Proposal

Becky,

Please find attached our Fee Proposal for the Bonnieview Road Crossdrain Repair (Design/Const. Admin Phase) Project.

Please let me know if you have any questions.

Thanks.

Regards,

J. Keith Jackson, P.E.
Senior Project Manager | Connelly & Wicker Inc.
10060 Skinner Lake Drive | Suite 500 | Jacksonville, Florida 32246
P: 904.265.3030 | M: 904.314.7473 | F: 904.265.3031
www.cweng.com
Professional Registration/PE-FL, 71578



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7/10/2013

NASSAU COUNTY CONTRACT MANAGEMENT

CONTINUING CONTRACT FOR ENGINEERING SERVICES

CONNELLY & WICKER INC.

CONTRACT NO. CM1692

WA#	PROJECT NAME	ORIGINAL FEE	CHANGE ORDERS	CONTRACT FEE	STATUS	ACTUAL COST	DIFFERENTIAL
01	14th Street at Lime Street Intersection Improvements_Final design engineering and construction administration services	\$ 63,139.22	\$ -	\$ 63,139.22	In progress	\$ 63,139.22	\$ -
02	14th Street at Sadler Road Intersection Improvements_construction plans to replace existing strain poles with mast arm assemblies	\$ 69,556.55	\$ -	\$ 69,556.55	In progress	\$ 69,556.55	\$ -
03	Bonnieview Road Crossdrain Repair	\$ 5,791.71	\$ -	\$ 5,791.71	In progress	\$ 5,791.71	\$ -
04	Bonnieview Road Crossdrain Repair	\$ 51,387.55	\$ -	\$ 51,387.55	Pending	\$ 51,387.55	\$ -
							\$ -
		\$ 189,875.03	\$ -	\$ 189,875.03		\$ 189,875.03	\$ -

CURRENT CONTRACT VALUE: \$ 189,875.03