

**AMENDMENT NUMBER SIX TO THE AGREEMENT FOR
DESIGN SERVICES FOR THE PAGES DAIRY/CHESTER ROAD
INTERSECTION IMPROVEMENT PROJECT, NASSAU COUNTY FLORIDA**

THIS AMENDMENT entered into this 13th day of January, 2020 by and between the **BOARD OF COUNTY COMMISSIONERS OF NASSAU COUNTY, FLORIDA**, a political subdivision of the State of Florida, (hereinafter referred to as “County”) and **CONNELLY & WICKER, INC.**, located at 10060 Skinner Lake Drive, Suite 500, Jacksonville, FL 32246, (hereinafter referred to as “Consultant”).

WHEREAS, the parties entered into an Agreement dated November 21, 2016 for design services for the Pages Dairy/Chester Road Intersection Improvements Projects; and

WHEREAS, Article 12.2 of the agreement provides that this agreement may only be amended, supplemented, modified, changed or canceled by a duly executed written instrument; and

WHEREAS, the parties desire to amend the scope of service and fee proposal for the agreement.

NOW, THEREFORE, FOR AND IN CONSIDERATION of the mutual covenants and agreements herein contained, the parties hereto agree as follows:

1. Scope of Services for Design Services for Pages Dairy/Chester Road Intersection Improvements, Attachment A, shall be amended to include the following additional services:

Chester Road at Pages Dairy Intersection Improvements Project

Additional Scope Items include:

- CWI – Update typical sections, plan and profile design and sheets, construction details, cross sections, MOT details, signing and pavement marking design and sheets, cost estimates, and erosion control sheets. geotechnical review for pavement design. Produce reduced plans scope, schedule, cost estimate, meetings, and quantities. Design for reduced set of plans and Revise schedule and fee for supplement. (\$53,044.58)

- Peters and Yaffee, Inc. – Signalization analysis and structural mast arm design for Chester Road at David Hallman Parkway intersection and Chester Road at Pages Dairy Road intersection. (\$35,000.57)
- DRMP – Update existing utilities, provide exploratory clearance holes for mast arm foundations, and perform VVHs to identify utility conflicts. (\$31,515.93)
- Universal Engineering – Perform additional borings for mast arm foundations and culvert extensions as well as additional corings for the existing roadway. (\$9,392.86)

Sub-consultant tasks include:

- Survey – DRMP
- Geotechnical – Universal Engineering
- Signalization – Peters & Yaffee, Inc.

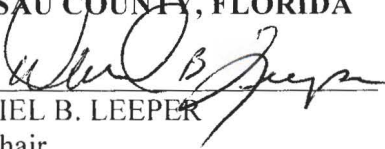
2. Fee Schedule, Attachment “B” shall be amended as follows:

Description	Current Contract Amount	Additional Services Amount	Amended Contract Amount
Chester Road Resurfacing Project	\$191,008.33	\$0.00	\$191,008.33
Chester Road at Pages Dairy Intersection	\$434,838.16	\$128,953.94	\$563,792.10
Pages Dairy Road Widening	\$550,396.11	\$0.00	\$550,396.11
Total(s)	\$1,176,242.60	\$128,953.94	\$1,305,196.54

3. Documents to support the additional scope and fee are attached hereto as Exhibit 1.
4. All other terms and conditions contained of the agreement shall remain in full force and effect.

[Signatures on next page]

**BOARD OF COUNTY COMMISSIONERS
NASSAU COUNTY, FLORIDA**

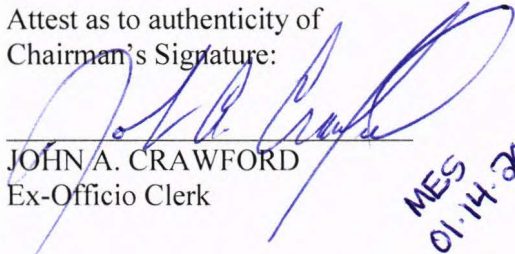


DANIEL B. LEEPER

Its: Chair

Date: January 13, 2020

Attest as to authenticity of
Chairman's Signature:



JOHN A. CRAWFORD
Ex-Officio Clerk

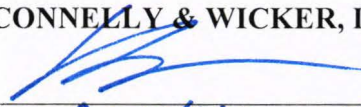
MES
01-14-2020

Approved as to form and legality by the
Nassau County Attorney:



MICHAEL MULLIN
County Attorney

CONNELLY & WICKER, INC.



By: RICHARD WELCH
Its: PRESIDENT

Date: 1/7/20

ATTACHMENT "A"
Scope of Services for Design Services
Pages Dairy/Chester Road Intersection Improvements
Board of County Commissioners, Nassau County, FL

The following work and services are presented as an indication of the work that may be required under the contract, but may not necessarily be all inclusive of the work under this contract. The respondent is encouraged to propose innovative ideas and/or concepts that may be considered.

1.0 PROJECT DESCRIPTION

Nassau County is seeking the services of an engineering firm to provide the necessary design services for the Pages Dairy/Chester Road Intersection Improvements project, Nassau County, Florida. The project will create a four (4) lane section from Courtney Isles Way on Chester Road through the intersection at Pages Dairy Road, and includes the following:

- Signalization at the intersection of Pages Dairy Road and Chester Road.
- Modifications to the rail road crossing.
- The intersection is intended to be designed and constructed in a manner that will allow it to be used when Page's Dairy is extended eastward to Blackrock Road in the future.
- Design for widening of Page's Dairy from Chester westward to the intersection of Page's Dairy and Felmor Rd.
- Resurfacing and rehabilitation of approximately 2 miles of Chester Road north of the Heron Isles Parkway up to north of Rose's Bluff, distance to be determined.

Proposers should note that the bridge over Lofton Creek on Page's Dairy is to be replaced by FDOT with funding in 2021. FDOT is currently conducting a PD&E study for that project. Additionally, it should be noted that the widening of Page's Dairy is being funded by FDOT and will require a separate (or component) set of plans and specs so that design, construction and CEI costs can be accounted for appropriately.

The selected consulting firm will perform services including, but not limited to the following:

2.0 SCOPE OF PROJECT:

- 2.1 Design and provide the construction documents to improve the Page's Dairy/Chester Intersection to include Signalization, Railroad coordination and resurfacing of approximately 2 miles of roadway north of Heron Isles Parkway to Rose's Bluff.
- 2.2 Design and provide the construction documents for the widening of Page's Dairy Road from the west end of the intersection improvements project (described above) to Felmor road to provide paved shoulders.
- 2.3 Lengthening and/or replacement design of the existing crossdrains and/or sidedrains, as required, to meet the proposed typical section clear zone requirements and ensure the design life of the improvements and existing facilities are equivalent.
- 2.4 Signalization
- 2.5 Signing, striping marking.
- 2.6 Roadway design shall meet the minimum requirements of the Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways, commonly known as the "Florida Greenbook".

- 2.7 The work will include survey, geotechnical, environmental and any other investigations to support the design.
- 2.8 Consultant shall provide:
- All necessary permits
 - Utility coordination
 - Railroad coordination
 - Construction documents
 - Post design services

Attachment "B"
Fee Proposal

Department of Public Works

Nassau County, Florida

		Current Contract Amount	Amendment #6 Amounts	Total Amended Contract Amount
1. Chester Road Resurfacing Project				
	Connelly and Wicker	\$78,950.37		\$78,950.37
	DRMP	\$82,804.52		\$82,804.52
	Universal Engineering	\$24,253.44		\$24,253.44
	Post Design Services (L.A.)	\$5,000.00		\$5,000.00
	Subtotal	\$191,008.33		\$191,008.33
2. Chester Road at Pages Dairy Intersection				
	Connelly and Wicker	\$297,416.28	\$53,044.58	\$350,460.86
	DRMP	\$49,813.10	\$31,515.93	\$81,329.03
	Peters and Yaffee	\$36,352.34	\$35,000.57	\$71,352.91
	Universal Engineering	\$12,056.44	\$9,392.86	\$21,449.30
	Environmental Services	\$19,200.00		\$19,200.00
	Post Design Services (L.A.)	\$20,000.00		\$20,000.00
	Subtotal	\$434,838.16		\$563,792.10
3. Pages Dairy Road Widening				
	Connelly and Wicker	\$245,701.37		\$245,701.37
	DRMP	\$223,313.87		\$223,313.87
	Universal Engineering	\$34,246.40		\$34,246.40
	Environmental Services	\$22,100.00		\$22,100.00
	G.M. Hill Engineering	\$15,034.47		\$15,034.47
	Post Design Services (L.A.)	\$10,000.00		\$10,000.00
	Subtotal	\$505,396.11		\$550,396.11
	Total	<u>\$1,176,242.60</u>	\$128,953.94	<u>\$1,305,196.54</u>

SUPPLEMENT DESIGN PROPOSAL FEE

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

PART I - GENERAL				
1. Project Pages Dairy Road at Chester Road Intersection Improvements			2. Contract Number Bid No. NC16-020	
3. Name of Consultant Connelly & Wicker Inc.			4. Date of Proposal 05/04/17	
PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Chief Engineer	\$223.83	47	\$ 10,520.01	
Sr. Project Manager/EOR	\$201.97	47	\$ 9,492.59	
Engineer	\$109.24	163	\$ 17,806.12	
Sr. Designer	\$74.59	116	\$ 8,652.44	
Designer	\$64.38	47	\$ 3,025.86	
Sr. Technician	\$75.48	47	\$ 3,547.56	
TOTAL	\$113.59	467		\$53,044.58
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate			Total Direct Labor	-
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				
DRMP, Inc.			\$ 31,515.93	See Attachment
Peters & Yaffee, Inc.			\$ 35,000.57	See Attachment
Universal Engineering Sciences			\$ 9,392.86	See Attachment
Environmental Services, Inc.			\$ 0.00	See Attachment
SUB-CONSULTANT SUB-TOTAL				\$75,909.36
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				\$128,953.94
11. REIMBURSABLE COSTS (Limiting Amount)				
				\$
SUB-TOTAL REIMBURSABLES				\$0.00
PART IV - SUMMARY				
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5 and 10)				\$128,953.94

ESTIMATE OF WORK EFFORT AND FEE FOR
CONSTRUCTION PLANS

CONSULTANT: Connelly & Wicker Inc				NAME OF PROJECT: Pages Dairy Road at Chester Road Intersection Improvement							
Contract Number: Bid No. NC16-020				BETWEEN:							
Prepared: August 31, 2016				AND:							
Estimator's Name: Hartland				LENGTH:							
No. / ACTIVITY	Chief Engineer RATE = \$223.83		Sr. Project Manager/EOR RATE = \$201.97		Engineer RATE = \$109.24		Sr. Designer RATE = \$74.59		Designer RATE = \$64.38		
	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	
113 Plan Prep.	47	\$10,520.01	47	\$9,492.59	163	\$17,806.12	116	\$8,652.44	47	\$3,025.86	
109 Drainage Design	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	
114 Permitting	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	
115 Post Design Services	8	\$1,790.64	15	\$3,029.55	16	\$1,747.84	9	\$634.77	20	\$1,287.60	
TOTAL	55	\$12,310.65	62	\$12,522.14	179	\$19,553.96	124.5101	\$9,287.21	67	\$4,313.46	

No. / ACTIVITY	Sr. Technician RATE = \$75.48		0 RATE = \$0.00		MAN HOURS	SALARY	AVG.	SALARY
	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	BY ACTIVITY	COST BY ACTIVITY	HOURLY COST	DIST %
113 Plan Prep.	47	\$3,547.56	0	\$0.00	465	\$53,044.58	\$114.07	84.1
109 Drainage Design	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0.0
114 Permitting	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00	0.0
115 Post Design Services	20	\$1,509.60	0	\$0.00	0	\$10,000.00	#DIV/0!	15.9
TOTAL	67	\$5,057.16	0	\$0.00	465	\$63,044.58	\$135.58	100.0

MISCELLANEOUS DIRECT COST

CONSULTANT: Connelly & Wicker Inc. NAME OF PROJECT: Pages Dairy Road at Chester Road Intersection Imp
 Contract Number: Bid No. NC16-020 BETWEEN: 0
 Prepared: August 31, 2016 AND: 0

ITEM DESCRIPTION		ITEM TOTAL		COMMENTS
Drafting Medium: (Original Reproducibles)		54 Sheets @ \$ - Per Sheet =		\$0.00
Reproduction (Blue Line & Sepias)	Blue Line (11x17) Photocopy		Sheets	
60%	0 0 0	0	5 Sets	
90%	0 0 0	0	5 Sets	
100%	0 0 0	0	5 Sets	
Bid Submittal	0 0 0	0	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	\$0.540 per mile*	\$0.00
To County Offices:	# Trips			
Transport.	0 x	0 miles x	\$0.540 per mile*	\$0.00
To Other Locations:	# Trips			
Transport.	0 x	0 miles x	\$0.540 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 MANHOUR REQUIREMENTS

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	Pages Dairy Road at Chester Road Intersection Imp
Contract Number:	Bid No. NC16-020	BETWEEN:	0
Prepared:	August 31, 2016	AND:	0

ITEM	NO. OF SHEETS	TOTAL MANHOURS	COMMENTS
113 Plan Prep.	54	465.0	
109 Drainage Design	0	0.0	
114 Permitting	0	0.0	
115 Construction Administraion	0	0.0	
Field Review			Included in Above Items
Plans Checking			Included in Above Items
TOTAL	54	465.0	8.6 Hours/Sheet (Excluding Permitng)

SUPPLEMENTAL DESIGN SURVEY PARTIES			
	SIZE OF PARTY	PARTY DAYS	
	3-Man	0.000	
	4-Man		
TOTAL NUMBER OF PARTY DAYS			

PLANS PREPARATION

CONSULTANT: Connelly & Wicker Inc
 Contract Number: Bid No. NC16-020
 Prepared: August 31, 2016

NAME OF PROJECT: Pages Dairy Road at Chester Road Intersection Improvement
 BETWEEN:
 AND:

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	0	0	0.00	0.00	
Typical Sections		Sheet	4	4	1.00	4.00	
Summary of Quantities		Sheet	0	0	0.00	0.00	
Plan & Profile (Design)	40	Sheet	8	8	5.00	40.00	
Curb Return Profiles		Sheet	0	0	0.00	0.00	
Construction Details		Sheet	1	1	12.00	12.00	
General Notes		Sheet	0	0	0.00	0.00	
Geotechnical Review		Sheet	1	0	20.00	20.00	Review and implement Geotech recommendations
Geotechnical Plans		Sheet	0	0	0.00	0.00	See Universal's Scope
Drainage Cross Sections		Sheet	0	0	0.00	0.00	
Cross Sections		Sheet	40	20	1.00	20.00	
Stormwater Pollut. Prevent. Plans		Sheet	0	0	0.00	0.00	
M.O.T. - Notes & Details		Sheet	3	3	8.00	24.00	
M.O.T. - Plans (incl. Typ. Sections)		Sheet	0	0	0.00	0.00	
Signing and Marking Plans		Sheet	8	8	2.00	16.00	
Signalization Plans		Sheet	0	0	0.00	0.00	See Attached Scope by Peters & Yaffee
Tree Mitigation Plans		Sheet	0	0	0.00	0.00	
Quantity Take-Off		L.S.	0	0	0.00	0.00	
Review Comments		L.S.	0	0	0.00	0.00	
Cost Estimates		Each	1	1	20.00	20.00	Revise 60% cost estimate
Pavement Design		L.S.	0	0	0.00	0.00	
Bid Specifications		L.S.	0	0	0.00	0.00	
Meetings w/ Project Manager		Each	1	1	5.00	5.00	Review 60%
Community Meeting		Each	0	0	0.00	0.00	
Meetings w/ Subconsultants		L.S.	1	0	4.00	4.00	Peters & Yaffee, Environmental Services, Universal
Field View (Plans in hand)		Each	0	0	0.00	0.00	2 people
Utility & Railroad		Sheet	0	0		0.00	From Sheet 6
Drainage		Sheet	0	0		0.00	From Sheet 6
Erosion Control Sheets		Sheet	8	8	4.00	32.00	
Reduced Plans		L.S.	1	0	143.00	143.00	Scopes, Schedules, Exhibits, Cost Estimates, Meetings, Quantities
Reduced Plan Design		L.S.	1	0	125.00	125.00	Design work to produce Reduced plan design, Revised schedule, Supplement scope
ROADWAY PLANS TOTALS				54		465.00	Includes Sheet and Manhours for Sheets 6 & 7

PLANS PREPARATION

CONSULTANT: Connelly & Wicker Inc.
 Contract Number: Bid No. NC16-020
 Prepared: August 31, 2016

NAME OF PROJECT: Pages Dairy Road at Chester Road Intersection Improvement
 BETWEEN: 500' west of 14th St on Lime St
 AND: 0

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	0	0	0.00	0.00	
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.	0	0	0.00	0.00	
Railroad Plan Sheet & Coordination		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				0		0.00	Include These Totals in Roadway Plans Preparation on Sheet 6

109 Plan Prep	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	4.00	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	
DRAINAGE TOTALS				0		0.00	Include These Totals in Roadway Plans Preparation on Sheet 6

PERMITTING AND ENVIRONMENTAL

CONSULTANT: Connelly & Wicker Inc.
 Contract Number: Bid No. NC16-020
 Prepared: August 31, 2016

NAME OF PROJECT: Pages Dairy Road at Chester Road Intersection Improvement
 BETWEEN: 0
 AND: 0

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	
Integration of Park Plans		LS	0	0	0.00	0.00	
Integration of Park Envir. Data		LS	0	0	0.00	0.00	
SJRWMD		Each	0	0	0.00	0.00	
Corps of Engineers		LS	0	0	0.00	0.00	
Fla. Dept. of Transportation		LS	0	0	0.00	0.00	
City of Jacksonville MOT approval		LS	0	0	0.00	0.00	
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			0	0		0.00	

SUPPLEMENTAL DESIGN SURVEYS

Surveyor:
 Contract Number: Bid No. NC16-020
 Prepared: August 31, 2016
 SURVEY PARTY DAY RATES:

NAME OF PROJECT: Pages Dairy Road at Chester Road Intersection Improvement
 BETWEEN:
 AND:
 CREW RATE = \$965.30

ITEM	3-MAN DAYS	4-MAN DAYS	3-MAN COST	4-MAN COST	TOTAL COST	COMMENTS
Design Survey						
Baseline Control	0.000		\$965.30		0.00	
Alignment	0.000		\$965.30		0.00	
Target Placement	0.000		\$965.30		0.00	
Reference Points	0.000		\$965.30		0.00	
Section Line Ties	0.000		\$965.30		0.00	
Property / Subdivision Ties	0.000		\$965.30		0.00	
Side Street Intersections	0.000		\$965.30		0.00	
Topography	0.000		\$965.30		0.00	
Bench Levels	0.000		\$965.30		0.00	
Roadway Cross-Sections	0.000		\$965.30		0.00	
Underground Utilities	0.000		\$965.30		0.00	
Bridge Data Survey	0.000		\$965.30		0.00	
Stake-Out for Borings	0.000		\$965.30		0.00	
Drainage Survey	0.000		\$965.30		0.00	
Tree Survey	0.000		\$965.30		0.00	
SURVEY PARTY DAY TOTALS	0.000	0	--	\$0.00	\$0.00	
OFFICE SUPPORT	UNIT	NO. OF UNITS	COST/ UNIT	COST/ ITEM	TOTAL COST	
Surveyor	Hour	0	\$120.48	0		
Technician	Hour	0	\$68.83	0		
TOTAL					\$0.00	
ITEM	SCALE	UNIT	NO. OF UNITS	M/H PER UNIT	TOTAL MANHOURS	TOTAL COST
RIGHTS-OF-WAY	1"=					
Right-of-Way Map Updates		Sheet	N/A		0	\$0.00
Legal Description Updates		Each	N/A		0	\$0.00
RIGHTS-OF-WAY TOTALS					0	\$0.00
TOTAL SURVEYS, PHOTOGRAPHY & RIGHTS-OF-WAY					Prepared : 09/21/01	\$0.00

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Chester Road Survey_SUE_Additional scope work 8-02-19
 County: Nassau
 FPN: N/A
 FAP No: ?

Consultant Name: DRMP, Inc.
 Consultant No: enter consultants proj number
 Date: 9/18/2019
 Estimator: Bill Faust, P.S.M.

Staff Classification	Total Staff Hours From Summary - SH Firm	Project Manager	Senior Surveyor & Mapper	Surveyor & Mapper	Survey Technician	Secretarial / Clerical	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
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!
5a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
5b. Drainage Plans	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, 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)	64	0	0	22	39	3	0	0	0	0	0	0	0	64	\$6,717	\$104.95
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. Terrestrial Mobile LiDAR	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!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
Total Staff Hours	64	0	0	22	39	3	0	0	0	0	0	0	0	64		
Total Staff Cost	\$0.00	\$0.00	\$2,952.18	\$3,542.37	\$222.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$6,716.73	\$104.95

Survey Field Days by Subconsultant
 3 - Person Crew:

SALARY RELATED COSTS				Check =	\$6,716.73
OVER-HEAD:		0%		\$0.00	\$0.00
OPERATING MARGIN:		0%		\$0.00	\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00	\$0.00
EXPENSES:		0.00%		\$0.00	\$0.00
Survey (Field - # by Prime)	4.00	3-man crew days @	\$ 1,837.80 / day		\$7,350.40
SUE Services	6.00	3-man crew days @	\$ 2,101.10 / day		\$12,606.60
SUBTOTAL ESTIMATED FEE:					\$20,317.00
Subconsultant: Enter Name Sub 1					\$0.00
Subconsultant: Sub 2					\$0.00
Subconsultant: Sub 3					\$0.00
Subconsultant: Sub 4					\$0.00
Subconsultant: Sub 5					\$0.00
Subconsultant: Sub 6					\$0.00
Subconsultant: Sub 7					\$0.00
Subconsultant: Sub 8					\$0.00
Subconsultant: Sub 9					\$0.00
Subconsultant: Sub 10					\$0.00
Subconsultant: Sub 11					\$0.00
Subconsultant: Sub 12					\$0.00
SUBTOTAL ESTIMATED FEE:					\$20,317.00
Geotechnical Field and Lab Testing					\$0.00
SUBTOTAL ESTIMATED FEE:					\$20,317.00
Optional Services					\$0.00
GRAND TOTAL ESTIMATED FEE:					\$20,317.00

- Notes:
 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.
 2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

27. Survey

Estimator: Bill Faust

Chester Road Survey_SUE_Additional scope work 8-02-19
N/A

Representing	Print Name	Signature / Date
Consultant Name	C William Faust, III, PSM	

NOTE: Signature Block is optional, per District preference

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
27.1	Horizontal Project Control (HPC)									
	2-Lane Roadway	Mile			0.00		0.00		0.00	N/A
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.2	Vertical PC / Bench Line									
	2-Lane Roadway	Mile			0.00		0.00		0.00	N/A
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.3	Alignment and Existing RW Lines									
		Mile			0.00		0.00		0.00	N/A
27.4	Aerial Targets			Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	N/A
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
27.5	Reference Points	"A"		Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	N/A
	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. 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
27.6	Topography/DTM (3D)									N/A
		Mile			0.00		0.00		0.00	
27.7	Planimetric (2D)									N/A
		Mile			0.00		0.00		0.00	
27.8	Roadway Cross-Sections/Profiles									N/A
		Mile			0.00		0.00		0.00	
27.9	Side Street Surveys									N/A
		Mile			0.00		0.00		0.00	
27.10	Underground Utilities									Update existing utility designates through project limits, Courtney Isles Way to David Hallman Pkwy. Provide exploratory clearance holes for 4 proposed mast arm foundations at David Hallman Parkway (4 days budgeted to clear foundations). Perform 20 vhs to identify and utility conflicts with proposed drainage and roadway items (4 days budgeted).
	Designates	Mile/Site			0.00		0.00		0.00	
	Locates	Point	8	1	8.00	1.25	10.00	3.00	24.00	
	Survey		30%	8.00	2.40	1.25	3.00	4.00	9.60	
27.11	Outfall Survey									
		Mile			0.00		0.00		0.00	
27.12	Drainage Survey			Units/Day						N/A
		EA			0.00		0.00		0.00	
27.13	Bridge Survey									N/A
	Minor / Major	EA			0.00		0.00		0.00	
27.14	Channel Survey									N/A
		EA			0.00		0.00		0.00	

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
27.15	Pond Site Survey				0.00		0.00		0.00	N/A
		EA								
27.16	Mitigation Survey				0.00		0.00		0.00	N/A
		Mile								
27.17	Jurisdiction Line Survey				0.00		0.00		0.00	N/A
		Mile								
27.18	Geotechnical Support			Units/Day						N/A
		EA			0.00		0.00		0.00	
27.19	Sectional / Grant Survey									N/A
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									N/A
		Block			0.00		0.00		0.00	
27.21	Maintained RW									N/A
		Mile			0.00		0.00		0.00	
27.22	Boundary Survey				0.00		0.00		0.00	N/A
		EA								
27.23	Water Boundary Survey				0.00		0.00		0.00	N/A
		EA								
27.24	R/W Staking / R/W Line									N/A
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	N/A
27.25	R/W Monumentation									N/A
		Point			0.00		0.00		0.00	
27.26	Line Cutting				0.00					N/A
		Mile								
27.27	Work Zone Safety									MOT as required
			0.125	10.40	1.30					
27.28	Miscellaneous Surveys									N/A
					0.00		0.00		0.00	

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
Survey Subtotal					12		13		34	
27.29	Supplemental Surveys			12	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	8.00						8	
27.31	Field Reviews	Units	4.00						4	
27.32	Technical Meetings	LS	0.00						0	
27.33	Quality Assurance / Quality Control	LS						5%	2	
27.34	Supervision	LS						5%	3	
27.35	Coordination	LS						3%	1	
27. Survey Total					12		13		51	

SPLS =
 PLS =
 Office Support =
 Total Hours = 64

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Kickoff Meeting with FDOT	EA	0	0	0		0
Baseline Approval Review	EA	0	0	0		0
Network Control Review	EA	0	0	0		0
Vertical Control Review	EA	0	0	0		0
Local Governments (cities, counties)	EA	0	0	0		0
Final Submittal Review	EA	0	0	0		0
Other Meetings	EA	0	0	0		0
Subtotal Technical Meetings				0	Subtotal PM Meetings	0
Progress Meetings (if required)	EA	0	0	0	**	--
Phase Review Meetings	EA	0	0	0	**	--
Total Meetings				0	Total PM Mtgs (carries to Tab 3)	0

Note:
 Survey crew days are based on a 3 Man (10 hour day)

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



ESTIMATE OF WORK EFFORT AND FEE
 Chester Road at Pages Dairy Road Signal Redesign and New Signal at David Hallman Parkway

No. / ACTIVITY	Project Manager / Senior Engineer		Engineer		Engineering Intern		Designer		Project Totals		
	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Hours	Costs	
TASK 1 - DATA COLLECTION											
1a	Traffic Data (AM, MD and PM Peak Hour Counts)	1	\$ 180.77	0	\$ -	9	\$ 721.71	0	\$ -	10	\$ 902.48
1b	Field Reviews	4	\$ 723.08	4	\$ 426.64	8	\$ 641.52	0	\$ -	16	\$ 1,791.24
	Subtotal	5	\$ 903.85	4	\$ 426.64	17	\$ 1,363.23	0	\$ -	26	\$ 2,693.72
TASK 2 - PROJECT GENERAL TASKS											
2a	Meetings	4	\$ 723.08	4	\$ 426.64	0	\$ -	0	\$ -	8	\$ 1,149.72
2b	Project Administration / Coordination	6	\$ 1,084.62	5	\$ 533.30	0	\$ -	0	\$ -	11	\$ 1,617.92
2c	QA/QC	8	\$ 1,446.16	8	\$ 853.28	4	\$ 320.76	0	\$ -	20	\$ 2,620.20
	Subtotal	18	\$ 3,253.86	17	\$ 1,813.22	4	\$ 320.76	0	\$ -	39	\$ 5,387.84
TASK 3 - SIGNALIZATION ANALYSIS AND PLANS											
3a	Traffic Data Analysis	0	\$ -	4	\$ 426.64	4	\$ 320.76		\$ -	8	\$ 747.40
3b	Signal Design Analysis	8	\$ 1,446.16	12	\$ 1,279.92	18	\$ 1,443.42	26	\$ 1,761.24	64	\$ 5,930.74
3c	Interconnect Design Analysis	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3d	Overhead Street Name Sign Design	1	\$ 180.77	1	\$ 106.66	7	\$ 561.33	0	\$ -	9	\$ 848.76
3e	Pole Elevation Analysis	1	\$ 180.77	1	\$ 106.66	0	\$ -	0	\$ -	2	\$ 287.43
3f	Quantities	1	\$ 180.77	2	\$ 213.32	1	\$ 80.19	0	\$ -	4	\$ 474.28
3g	Cost Estimate	2	\$ 361.54	4	\$ 426.64	2	\$ 160.38	0	\$ -	8	\$ 948.56
3h	Specifications	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3i	Railroad Coordination	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
	Signal Plans	Sheets									
	Key Sheet	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
	Tabulation of Quantities	1	\$ -	0	\$ -	2	\$ 160.38	2	\$ 135.48	4	\$ 295.86
	General Notes	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
	Plan Sheet	1	\$ -	2	\$ 213.32	2	\$ 160.38	0	\$ -	4	\$ 373.70
	Interconnect Plan Sheets	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
	Guide Sign Worksheet	1	\$ -	0	\$ -	3	\$ 240.57	0	\$ -	3	\$ 240.57
	Special Details	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
	Mast Arm Tabulation Sheet	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
	Utility Conflict Sheet	1	\$ 180.77	3	\$ 319.98	0	\$ -	4	\$ 270.96	8	\$ 771.71
	Subtotal	14	\$ 2,530.78	29	\$ 3,093.14	39	\$ 3,127.41	32	\$ 2,167.68	114	\$ 10,919.01
TASK 4 - STRUCTURAL DESIGN SERVICES - SUBCONSULTANT (LANDMARK ENGINEERING)											
4a	Structural Mast Arm Design - Subconsultant (Pond - Formerly Landmark Engineering)										\$ 16,000.00
	Subtotal										\$ 16,000.00
	PROJECT TOTAL	37	\$ 6,688.49	50	\$ 5,333.00	60	\$ 4,811.40	32	\$ 2,167.68	179	\$ 35,000.57



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

August 5, 2019

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

Attention: Mr. Will Lanier, P.E.

Subject: **PROPOSAL FOR A GEOTECHNICAL EXPLORATION**
Pages Dairy/Chester Road Intersection Improvements
Nassau County, Florida
UES Proposal No. 1699070

Dear Mr. Lanier:

Universal Engineering Sciences (UES) is pleased to submit this proposal for providing geotechnical services for your project. Included in this proposal is an outline of the project information, proposed exploration, and schedule.

PROJECT INFORMATION

Project information was provided to us in recent discussions and email transmittals from you. We understand the project consists of intersection improvements at Pages Dairy Road and Chester Road and at Chester Road and David Hallman Parkway in Nassau County. The improvements will include a turn lane addition on Chester Road southbound onto Pages Dairy Road westbound, four mast arm structures at each intersection, two possible culvert extensions, and milling and resurfacing or other remediation of distressed pavement areas as warranted.

PROPOSED GEOTECHNICAL EXPLORATION

Based on our understanding of the project, we propose to perform eight standard penetration test (SPT) borings for the proposed mast arms to depths of 25 feet, two SPT borings for the proposed culvert extensions to depths of 20 feet, two auger borings for the proposed turn lane addition. As requested, we propose a total of six pavement cores within the existing roadway. At each core location we will determine the asphalt and base thickness. We will patch each core location upon completion.

A professional engineer, registered in the State of Florida, who has specialized in geotechnical engineering will direct and supervise our work. A report which describes our exploration and documents the subsurface conditions encountered will be provided for you. This report will include the following:

1. A brief discussion of our understanding of the project information.

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August 5, 2019

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, estimated seasonal high groundwater, and estimated geotechnical engineering properties (as necessary).
4. An evaluation of the existing pavement condition based on visual observations and the subsurface conditions encountered.
5. Recommendations for site preparation for new pavement areas.
6. Recommendations for pavement rehabilitation procedures.
7. Foundation design and construction recommendations for the proposed mast arms and culvert extensions.

We will conduct all drilling and sampling in general accordance with applicable ASTM standards. At the completion of drilling, we will transport all samples to our laboratory where they will be examined by a geotechnical engineer and visually classified according to the AASHTO Soil Classification System.

COMPENSATION FOR SERVICES

Based on the scope of the geotechnical exploration, the proposed laboratory testing, and the preliminary engineering services outlined above, we propose to complete the geotechnical exploration and engineering services for an estimated **fee of \$9,392.86**.

We will contact you immediately if we encounter subsurface conditions which could require (1) the borings to be performed to deeper depths, (2) additional pavement cores, 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 field services within 7 to 10 days after receipt of written authorization to proceed with the field exploration complete in three to four days. We can provide preliminary



UES Proposal No. 1699070
August 5, 2019

verbal results as soon as the drilling has been completed in order to expedite the design process, upon request. The final report should be available within four weeks after notice to proceed.

We have included a short form authorization agreement. In order to expedite our internal project tracking requirements, please execute this document and return one copy to our office.

We appreciate your consideration of Universal engineering Sciences for these services and are looking forward to serving as your geotechnical consultant on this and other future projects.

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: Pages Dairy/Chester Road Intersection Improvements

PROJECT LOCATION: Nassau County, Florida

CLIENT NAME: Connelly & Wicker, Inc. **DATE:** August 5, 2019

CLIENT ADDRESS: Mr. Will Lanier, P.E. **PHONE NO.:** 904/265-3030

10060 Skinner Lake Drive – Suite 500 **EMAIL:** wlanier@cwieng.com

Jacksonville, Florida 32246

I. Scope of Services and Understanding of Project

As Shown in UES Proposal No. 1699070
(Attached)
estimated fee - \$9,392.86

- 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: **August 5, 2019**
 - 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 _____ BY (Signature) _____ PRINTED NAME _____ TITLE _____ DATE _____	UNIVERSAL ENGINEERING SCIENCES, INC. BY (Signature)  PRINTED NAME <u>Stephen R. Weaver, P.E.</u> TITLE <u>Geotechnical Services Manager</u> DATE <u>August 5, 2019</u>
---	--

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



FEE SCHEDULE

**Geotechnical Exploration
Chester Road and Paiges Dairy Road Intersection Improvements**

**Nassau County, Florida
UES Proposal No.
08/05/19**

Task	Quantity	Units	Fee Per Unit	Estimated Fee	
GEOTECHNICAL PROFESSIONAL SERVICES					
Senior Engineer	3	hour(s)	\$121.64	\$364.92	
Project Engineer	10	hour(s)	\$111.77	\$1,117.70	
Technical Secretary	1	hour(s)	\$40.00	\$40.00	
Drafting	4	hour(s)	\$61.42	\$245.68	
Senior Engineering Technician - Utility Locates	4	hour(s)	\$66.64	\$266.56	
Subtotal:				\$2,034.86	
GEOTECHNICAL DRILLING SERVICES					
Mobilization Crew and Equipment	1	each	\$500.00	\$500.00	
Mobilization - Portable Equipment	1	each	\$800.00	\$800.00	
Police/vehicle (2 persons @ 4 hours)	8	hours	\$60.00	\$480.00	
Truck Mounted Attenuator	1	day	\$900.00	\$900.00	
Coring Equipment	1	day	\$100.00	\$100.00	
SPT Borings - Truck (8 @ 25')	0-50	200	feet	\$14.00	\$2,800.00
SPT Borings - Portable Equipment (2 @ 20')	50-75	40	feet	\$20.00	\$800.00
Static Cone Penetrometer	0	feet	\$14.00	\$0.00	
Auger Borings (2 @ 6 ft)	12	feet	\$10.00	\$120.00	
Grout	0	feet	\$5.00	\$0.00	
Additional Samples	0	each	\$25.00	\$0.00	
Obtain 6-inch Shelby Tube	0	each	\$25.00	\$0.00	
Double Ring / Field Cased Perm	0	each	\$450.00	\$0.00	
Asphalt Cores	6	each	\$60.00	\$360.00	
Subtotal:				\$6,860.00	
GEOTECHNICAL LABORATORY TESTING					
Particle Size Analysis	4	each	\$70.00	\$280.00	
Organic Content	2	each	\$35.00	\$70.00	
Moisture Content	6	each	\$8.00	\$48.00	
Atterberg Limits	1	each	\$100.00	\$100.00	
Corrosion Testing	0	each	\$125.00	\$0.00	
Subtotal:				\$498.00	
TOTAL:				\$9,392.86	

Universal Engineering Sciences, Inc.
GENERAL CONDITIONS

SECTION 1: RESPONSIBILITIES

- 1.1 *Universal Engineering Sciences, Inc.*, ("UES"), 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 "UES" 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 UES with a clear understanding of the project nature and scope. The Client shall supply UES with sufficient and adequate information, including, but not limited to, maps, site plans, reports, surveys and designs, to allow UES 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.
- 1.3 The Client acknowledges that UES's responsibilities in providing the services described under the Scope of Services section is limited to those services described therein, and the Client hereby assumes any collateral or affiliated duties necessitated by or for those services. Such duties may include, but are not limited to, reporting requirements imposed by any third party such as federal, state, or local entities, the provision of any required notices to any third party, or the securing of necessary permits or permissions from any third parties required for UES's provision of the services so described, unless otherwise agreed upon by both parties.
- 1.4 Universal will not be responsible for scheduling our services and will not be responsible for tests or inspections that are not performed due to a failure to schedule our services on the project or any resulting damages.
- 1.5 **PURSUANT TO FLORIDA STATUTES §558.0035, ANY INDIVIDUAL EMPLOYEE OR AGENT OF UES MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.**

SECTION 2: STANDARD OF CARE

- 2.1 Services performed by UES under this Agreement will be conducted in a manner consistent with the level of care and skill ordinarily exercised by members of UES'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 UES will be based solely on information available to UES at the time of service. UES is responsible for those data, interpretations, and recommendations, but will not be responsible for other parties' interpretations or use of the information developed.
- 2.3 Execution of this document by UES is not a representation that UES has visited the site, become generally familiar with local conditions under which the services are to be performed, or correlated personal observations with the requirements of the Scope of Services. It is the Client's responsibility to provide UES with all information necessary for UES to provide the services described under the Scope of Services, and the Client assumes all liability for information not provided to UES that may affect the quality or sufficiency of the services so described.
- 2.4 Should UES be retained to provide threshold inspection services under Florida Statutes §553.79, Client acknowledges that UES's services thereunder do not constitute a guarantee that the construction in question has been properly designed or constructed, and UES's services do not replace any of the obligations or liabilities associated with any architect, contractor, or structural engineer. Therefore it is explicitly agreed that the Client will not hold UES responsible for the proper performance of service by any architect, contractor, structural engineer or any other entity associated with the project.

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 UES 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 UES free access to the site. UES 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. UES will take reasonable precautions to avoid known subterranean structures, and the Client waives any claim against UES, and agrees to defend, indemnify, and hold UES 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 UES for any time spent or expenses incurred by UES in defense of any such claim with compensation to be based upon UES'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 UES 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 UES 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 UES incurs any expenses to collect overdue billings on invoices, the sums paid by UES for reasonable attorneys' fees, court costs, UES's time, UES's expenses, and interest will be due and owing by the Client.

SECTION 6: OWNERSHIP AND USE OF DOCUMENTS

- 6.1 All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by UES, as instruments of service, shall remain the property of UES.
- 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 UES 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.
- 6.4 All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by UES, are prepared for the sole and exclusive use of Client, and may not be given to any other party or used or relied upon by any such party without the express written consent of UES.

SECTION 7: DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS

- 7.1 Client warrants that a reasonable effort has been made to inform UES 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. UES and Client agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work. UES and Client also agree that the discovery of unanticipated hazardous materials may make it necessary for UES to take immediate measures to protect health and safety. Client agrees to compensate UES for any equipment decontamination or other costs incident to the discovery of unanticipated hazardous waste.
- 7.4 UES 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 UES harmless for any and all consequences of disclosures made by UES 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 UES, and to the maximum extent permitted by law, agrees to defend, indemnify, and save UES harmless from any claim, liability, and/or defense costs for injury or loss arising from UES'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 UES which are found to be contaminated.

SECTION 8: RISK ALLOCATION

- 8.1 Client agrees that UES's liability for any damage on account of any breach of contract, error, omission or other professional negligence will be limited to a sum not to exceed \$50,000 or UES's fee, whichever is greater. If Client prefers to have higher limits on contractual or professional liability, UES 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 UES 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 UES has such coverage under public liability and property damage insurance policies which UES 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, UES agrees to indemnify and save Client harmless from and against loss, damage, or liability arising from negligent acts by UES, its agents, staff, and consultants employed by it. UES 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 UES harmless for loss, damage or liability arising from acts by Client, Client's agent, staff, and other UESs employed by Client.

SECTION 10: DISPUTE RESOLUTION

- 10.1 All claims, disputes, and other matters in controversy between UES and Client arising out of or in any way related to this Agreement will be submitted to alternative dispute resolution (ADR) such as mediation or arbitration, before and as a condition precedent to other remedies provided by law, including the commencement of litigation.
- 10.2 If a dispute 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 UES'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, UES 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, UES may complete such analyses and records as are necessary to complete its 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 UES in completing such analyses, records and reports.

SECTION 12: ASSIGNS

- 12.1 Neither the Client nor UES may delegate, assign, sublet or transfer their 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.

SECTION 14. INTEGRATION CLAUSE

- 14.1 This Agreement represents and contains the entire and only agreement and understanding among the parties with respect to the subject matter of this Agreement, and supersedes any and all prior and contemporaneous oral and written agreements, understandings, representations, inducements, promises, warranties, and conditions among the parties. No agreement, understanding, representation, inducement, promise, warranty, or condition of any kind with respect to the subject matter of this Agreement shall be relied upon by the parties unless expressly incorporated herein.
- 14.2 This Agreement may not be amended or modified except by an agreement in writing signed by the party against whom the enforcement of any modification or amendment is sought.